University of New Mexico UNM Digital Repository

Office of the Vice President for Research

Archives & University Administrative Records

2004

Faculty Publications and Creative Works 2004

Office of the Vice President for Research

Follow this and additional works at: https://digitalrepository.unm.edu/ovp research publications

Recommended Citation

 $Office of the Vice President for Research. "Faculty Publications and Creative Works 2004." (2004). \\ https://digitalrepository.unm.edu/ovp_research_publications/26$

This Report is brought to you for free and open access by the Archives & University Administrative Records at UNM Digital Repository. It has been accepted for inclusion in Office of the Vice President for Research by an authorized administrator of UNM Digital Repository. For more information, please contact disc@unm.edu.

ANDERSON SCHOOLS OF MANAGEMENT

Accounting

Mouck, Tom

"Institutional reality, financial reporting and the rules of the game," *Accounting, Organizations and Society*, Vol. 29, pp. 525-541, 2004.

"Ancient Mesopotamian accounting and human cognitive evolution." *The Accounting Historians Journal*, Vol. 31, No. 2, pp. 97-124, 2004.

Togo, Dennis

"Risk Analysis for Accounting Models: A Spreadsheet Simulation Approach," *Journal of Accounting Education*, Vol. 22, No. 2, Spring 2004, pp. 153-163.

"Simulation for Risk Analysis of Accounting Models," *Proceedings of the Southwest American Accounting Association Conference*, March 2004.

White, Craig

"Productivity and Participation Analyses: Academic Tax Articles by Accounting Faculty 1980-2000," with Hutchison, P., 2004. *Advances in Taxation*. (16): 181-197.

"Development of the Journal of Information Systems from the Editors' Perspectives" with Hutchison, P., and T. Lee, Spring 2004. *Journal of Information Systems*. 39-51.

"Advances in Accounting Information Systems and International Journal of Accounting Information Systems: first ten volumes (1992-2003)," *International Journal of Accounting Information Systems*. (5): 341-365, with Hutchison, P., and R. Daigle 2004.

Finance, International Management and Management of Technology

Boni, Leslie

"Expandable Limit Order Markets," *Journal of Financial Markets*, with Chris Leach, 2004, Volume 7, 145-185.

de Gouvea, Raul

- "Using Resources in R&D Policy Planning: Brazil, the Amazon, and Biotechnology," *Technological Forecasting and Social Change*, with Kassicieh, S., 2004.
- "Issues in Hemispheric Trade and Investments," *Latin American Business Review*, Vol. 5, No. 3, 2004.
- "Assessing the Importance of Environmental Variables in Total Tourism Demand," with Hranaiova, J., 2004, *IJEM*, Vol. 1. No. 1.
- "Managing the Ecotourism Industry in Latin America: Challenges and Opportunities." *Problems and Perspectives in Management*, Spring 2004.
- "Challenges Facing Foreign Investors in Brazil." *Problems and Perspectives in Management*, Summer 2004.
- "Doing Business in Brazil: A Strategic Approach" *Thunderbird International Business Review*, Vol. 46, No. 2, pp. 165-189, 2004.
- "Assessing Optimality of Export! Portfolios for Five Brazilian Economic Regions," with Hranaiova, J., and Kassicieh, S., (2004), *Revista de Economia & Relacoes Internacionais*. Vol. 2, No. 4, pp. 42-57.
- "Assessing the Importance of Environmental Variables in Tourism Demand in Latin America," with Hranaiova, Jr, *Estudios Y Perspectivas en Turismo*, January-April, pp. 129-142, (2004).

Hranaiova, Jana

- "Assessing the Importance of Environmental Variables in Total Tourism Demand," DeGouvea, R., *IJEM*, Vol. 1. No. 1 (2004).
- "Assessing Optimality of Export!Portfolios for Five Brazilian Economic Regions," with DeGouvea, R., and Kasicieh, S., (2004), *Revista de Economia & Relacoes Internacionais*. Vol. 2, No. 4, pp. 42-57.
- "Assessing the Importance of Environmental Variables in Tourism Demand in Latin America," with De Gouvea, R., *Estudios y Perspectivas en Turismo*, January-April, pp. 129-142, (2004).

Kassicieh, Sul

"Models of Disruptive Technology Commercialization," *International Journal of Technology Transfer and Commercialisation*, with Steven T. Walsh, Vol. 3, No. 4, 2004, pp. 187-198.

"Shifting the Technology Paradigm: Moving towards Commercialization," with Raul De Gouvea, *Latin American Business Review*, Vol. 4 No. 3, 2004, pp. 91-109.

"Assessing Optimality of Export Portfolios for Five Brazilian Economic Regions," with R. De Gouvea, J. Hranaiova, *Revista de Economia & Relacoes Internacionais*, Vol. 2, No. 4, 2004, pp. 40-55, (2004).

"Commercialization and Funding Strategies for Micro/Nanotechnology Companies," *Proceedings of the Commercialization of Microsystems Conference 2004*, September 2004, pp. 225-228.

"Software Development in Emerging Economies: the Brazilian Model for Economic Development in Knowledge Technologies," *Proceedings of Association for Global Business Conference*, with Raul deGouvea, November 2004, pp. 1-12.

Salazar, Andy

"In Defense of Economic Development at a Public University," *Proceedings of the Mountain Plains Business Conference*, Grand Junction, CO, October 13, 2004.

"Business Creation and Commercialization of Technology at a University: In Search of the Holy Grail," with Girish, K., *Review of Business Research*, Vol. II, No. 1, pp 76-82.

Schatzberg, John

"Security Choice, Information Effects and Firm Characteristics: A Factor Analytic Approach," with David Weeks, *Journal of Business Finance and Accounting* (2004), Vol. 31, No. 9-10, 1483-1503.

Van Wyk, Jay

Van Wyk, J. "Doing Business in South Africa," *Thunderbird International Business Review*, 46 (4), July-August 2004.

Van Wyk, J. "Risk Management and the Business Environment in South Africa," *Long Range Planning*, 37 (3), June 2004.

Van Wyk, J. "Environmental Risk and the Global Supply Chain," *Proceedings of the 2004 Academy of International Business*, Southeast (USA), November 10-12, 2004, Knoxville, Tenn.

Van Wyk, J. "Managerial Perspectives: Environmental Risk and the Global Supply Chain," *Proceedings of the 2004 Association of Global Business*, November 18-21, 2004, Cancun, Mexico.

Walsh, Steve

"Ch. 4 MEMS Patent Review," *International Micro-Nano Roadmap* (2nd Edition), pp. 316-374, MANCEF, Naples, Florida.

"Ch. 3 Nanotechnology," *International Micro-Nano Roadmap* (2nd Edition), pp. 153-315, MANCEF, Naples, Florida.

"Ch. 2 RF MEMS," *International Micro-Nano Roadmap* (2nd Edition), pp. 40-152, MANCEF, Naples, Florida.

"Ch. 1 Introduction," *International Micro-Nano Roadmap* (2nd Edition), with Giasolli, R., Elders, Jr., et al. (2004), pp. 28-48, MANCEF, Naples, Florida.

"Executive Summary," with Elders, Jr., et al., (2004), *International Micro-Nano Roadmap* (2nd Edition), pp. 1-27, MANCEF, Naples, Florida.

"Integrating innovation and learning curve theory: an enabler for moving Nanotechnologies and other emerging process technologies into production," with Linton, J. D., *R&D Management*, Vol. 34, No. 5, pp. 513-522, 2004.

"Roadmapping: from sustaining to disruptive technologies," with Linton, J.D., *Technological Forecasting and Social Change*, January 2004, Vol. 71, Issue 1, pp. 1-3 (3), Elsevier Science.

"The Emerging Microsystems and Top-Down Nanosystems Industry," *Technological Forecasting and Social Change*, Elsevier Science, January 2004, Vol. 71, Issue 1, pp. 161-185 (25).

"Enabling Technologies Faces Challenge in Market Research," with Bryant, S. and Haak, R, *Micro/Nano*, December 2004, Vol. 9, No. 12, p. 14.

"A Report!on the Micromachine Summit," *Micro/Nano*, with Tolfree, D., December 2004, Vol. 9, No. 12, p. 14.

"Versatile Top- Down Basic Toolseet," *Micro/Nano*, with Elders, J., May 2004, Vol. 9, No. 5, p. 20.

"Is Now a Good Time for MEMS Based Start-up?" *Micro/Nano*, April 2004, Vol. 9, No. 4, p. 20.

"How do Micro and Nano Companies Compare?" *Micro/Nano*, with Elders, Jr., March 2004, Vol. 9, No. 3, p. 20.

"RF MEMS Appeal," *Micromachine Devices*, with Rahaal, N., Case, R, January 2004, Vol. 9, No. 1, p. 16.

Marketing, Information and Decision Sciences

Albaum, Gerald

"A Cross-National Study of the Impact of Culture-Based Values on Marketing Decision Makers' Management Style," *Proceedings of the Third International Business and Economy Conference*, San Francisco, January 2004, with J. Yu, N. Wiese, and J. Herche.

"A Comparison of Response Characteristics From Web and Telephone Surveys," *International Journal of Market Research*, 2004, with C. Roster, R. Rogers, and D. Klein.

Becker, Thomas

Doing Business In the New Latin America. Westport, CT: Praeger Publishers. 2004, 266 pp.

Bose, Ranjit

"E-Government: Infrastructure and Technologies for Education and Training," *Electronic Government*, Vol. 1, No. 4, 2004, pp. 349-361.

"Knowledge Management Metrics," *Industrial Management & Data Systems*, Vol. 104, No. 6, 2004, pp. 457-468.

"Natural Language Processing: Current State and Future Directions," *International Journal of the Computer, the Internet and Management (IJCIM)*, Vol. 12, No. 1, 2004, pp. 1-11.

"Challenges in Integrating Web Services into E-Commerce Applications," (with V. Sugumaran), *Proceedings of the 2004 Annual Meeting of the Decision Sciences Institute*, November 20-23, Boston, Massachusetts, pp. 7961-7966.

"Information Technologies for Education & Training in E-Government," *Proceedings of the 2004 IEEE International Conference on Information Technology: Coding and Computing (ITCC)*, April 5-7, Las Vegas, NV, pp. 203-207.

Bullers, William

"Personal Software Process in the Database Course," Computing Education 2004: *Proceedings of the Sixth Australasian Computing Education Conference (ACE2004)*, R. Lister and A.L. Young (eds.).

Conferences in Research and Practice in Information Technology, Vol. 30, *Australian Computer Society*, Dunedin, New Zealand, Jan. 2004, pp. 25-32.

Burd, Steve

"Systems Analysis and Design in a Changing World," third edition, 2004, *Course Technology*, with Satzinger, John W., Jackson, Robert.

Flor, Nick

An analysis of the design of a programmable autonomous business. *Journal of Information Systems and Information Technology*, 7. (2004).

Modeling representational activity online. *Knowledge-Based Systems*, 7, 39-56, with Maglio, P. (2004).

Social Oracles as Advertising Tools in Programmable Businesses. S. Krishnamurthy (Ed.), Contemporary Issues in E-Marketing, Volume 1. Hershey, PA: Idea Group. (2004).

The architecture of the symbol engine in a programmable autonomous business. 2004 *Proceedings of the IEEE Conference on Electronic Commerce Technology*.

Synthesizing a Business out of Social Parts: A Cognitive Analysis. 2004 Proceedings of the ISOneWorld Conference.

The Distribution of Processes in a Virtual Advice Community. 2004 Proceedings of the International Association for the Development of the Information Society (IADIS).

Schatzberg, Laurie

"Initial Experiences with a Capstone Approach to an Introductory IS Course (IS 2002.1)" with David Harris, *Proceedings of ISECON 2004*, v. 21 (Newport).

Stewart, Doug

"Metrics and Performance Measurement in the Operations Measurement System: Dealing with the Metrics Maze," *Journal of Operations Management*, (2004) 22:3, 209, with Melnyk, S.A. and M. Swink.

"Case Study Research on Metrics Deployment and Alignment" *Proceedings of the Decision Sciences Institute National Conference 2004*, with Melnyk, S.A., J.D. Hanson, R.J. Calantone, G.A. Zsidisin, J. Luft, L.A. Burns.

Weber, Mary Margaret

"Productivity and Efficiency in the Trucking Industry: Accounting for Traffic Fatalities" *International Journal of Physical Distribution and Logistics Management*, Vol. 34, No. 1-2, 2004, pp. 39-61, with William L. Weber.

Yourstone, Steven

"How Managers Can Reduce Errors in Services," 2004. *Estrategica*, Vol. 2, No. 1, pp. 8-15.

Organizational Studies

Arthur, Michelle

"Taking stock of work-family initiatives: How announcements of 'Family-Friendly' human resource decisions affect shareholder value," with Cook, A., *Industrial and Labor Relations Review*, 57, 599-613, 2004.

Champoux, Joseph

At the Movies: Human Resource Management. Mason, Ohio: South-Western, a division of Thomson Learning, 2004, 103 pp.

Our Feature Presentation: Management. Mason, Ohio: South-Western, a division of Thomson Learning, 2004, 52 pp.

Instructor's Manual to Accompany At the Movies: Human Resource Management. Mason, Ohio: South-Western, a division of Thomson Learning, 2004, 106 pp.

Instructor's Manual for Our Feature Presentation: Management. Mason, Ohio: South-Western, a division of Thomson Learning, 2004, 55 pp.

"Commentary on Filmmaking and Research and Images of Influence," *Journal of Management Inquiry*, 2004, 13 (4): 1-5.

Cunliffe, Ann

"On becoming a critically reflexive practitioner," *Journal of Management Education*, 28, 407-427, 2004.

"Narrative temporality: Implications for organizational research," with Luhman, J.T. and Boje, D.M. *Organization Studies*, 25, 261-286, 2004.

"From reflection to practical reflexivity: Experiential learning as lived experience," with Easterby-Smith, M., R. Vince and M. Reynolds (Eds.) *Organizing reflection*. London: Ashgate Publishers, 2004.

Hood, Jacqueline

"Retention Rather than Turnover: Changing the Approach to Workforce Movements," with Waldman, J.D., Smith, H.L., and Arora, S., *Journal of Applied Business and Economics*, 4 (2), 38-60, 2004.

Logsdon, Jeanne

"Sustainability Reporting: Road to Greater Accountability or Road to Nowhere?" with Patsy G. Lewellyn. K. Strong and S. Welcomer (eds.), *Proceedings of the Fifteenth Annual Meeting of the International Association for Business and Society*, Jackson Hole, Wyoming, pp. 49-53, 2004.

"Global Business Citizenship: Applications to Environmental Issues." *Business and Society Review*, 109 (1): 67-87, 2004.

"Impacts of Evolution of Consciousness on Organizational Functioning: A Contribution to Positive Organizational Scholarship," with John E. Young. P. Miners (ed.), Proceedings of the Eleventh Annual International Conference on Advances in Management, Orlando, FL, 2004.

"Implementing Global Business Citizenship: Multi-Level Motivations and an Initial Research Agenda," with Donna J. Wood. J. Hooker and P. Madsen (eds.), *International Corporate Responsibility: Exploring the Issues*, pp. 423-446. Pittsburgh, PA: Carnegie Mellon University Press, 2004.

Muller, Helen

"From Honolulu and Albuquerque to New York City Table 98: Reflections from the Sea of Cortez." *Group Facilitation Journal*, Vol. 6, *Special Issue: Listening to the City: Public Participation and Group Facilitation in Redeveloping the World Trade Center Site* (71-75), 2004.

Parkman, Allen

"To What 'Marriage' Do We Have a Right," in Peter Lodrup and Eva Modvar, Editors, *Family Life and Human Rights*, 553-67, Oslo, Norway: Gyldendal, 2004.

"Bargaining Over Housework: The Frustrating Situation of Secondary Wage Earners," *American Journal of Economics and Sociology*, 63 (4), 765-94, October 2004.

"The Importance of Gifts in Marriage," Economic Inquiry, 42 (3), 483-495, July 2004.

Thomas, Doug

"Strategic options for managing intellectual assets flows in the information sector" with Beal, Brent D., *Journal of Managerial Issues*, 16: 442-459, 2004.

"What is the shape of the multinationality-performance relationship?" with Eden, Lorraine. *Multinational Business Review*, 12:89-110, 2004.

Young, John

"The Sage Entrepreneur: A Review of Traditional Confucian Practices Applied to Contemporary Entrepreneurship" with Janice B. Corzine, *Journal of Enterprising Culture*, 12 (1), 79-104, 2004.

"Impacts of Evolution of Consciousness on Organizational Functioning: A Contribution to Positive Organizational Scholarship" (with Jeanne M. Logsdon). Proceedings of the International Conference on Advances in Management (President's Track). (ICAM 2000). March 24-27, 2004, Orlando, Florida.

SCHOOL OF ARCHITECTURE AND PLANNING

Adams, Geoff

The HOME House Project: the Future of Affordable Housing, David J. Brown, editor, MIT Press 2004, pp. 20, 32-33, with Karen King, Leslie Ford, Jim Fox and Marcus Bushong.

The HOME House Project Exhibition, University of North Texas Art Gallery at Denton, Texas; April 8-May 25, 2004. Contemporary Art Center of Virginia, Virginia Beach; June 13-July 18, 2004. Neighborhood Housing Services of Asheville in collaboration with the Asheville Art Museum, North Carolina, Green Buildings Council; September 1-October 31, 2004. Baltimore's Center for Visual Art and Culture, University of Maryland, in collaboration with the American Institute of Architects, Baltimore chapter, and the Community Design Center; September 30-November 30, 2004.

Affordable Housing: Designing an American Asset, National Building Museum, Washington, D.C., February 28-August 8, 2004.

Bastéa, Eleni

Memory and Architecture, University of New Mexico Press, 2004.

Castillo, Tim B.

Fluid Space, Fabrication: Examining the Digital Practice of Architecture, Coach House Publishing, Toronto, Canada, pp. 370-371, 2004.

Generating Habitat Form from Movement Envelopes in New Gravitational Regimes, (Coauthored with Mark Kerr), *Proceedings Environmental Design Research Association Albuquerque*, New Mexico, CD-ROM-pp. 198, 2004.

Park(ing), Weaving: constructing and construing the material world as tapestry, Volume 2: Theory and practice, pedagogy and principles, College of Architecture and Planning, Ball State University, Muncie, Indiana, pp. 142-143, 2004.

Velocity, Weaving: constructing and construing the material world as tapestry, Volume 3: technology and tectonics, representation and communication, College of Architecture and Planning, Ball State University, Muncie, Indiana, pp. 83-89, 2004.

Childs, Mark

Squares: A Public Place Design Guide for Urbanists, University of New Mexico Press, 2004.

King, Karen J.

The HOME House Project: the Future of Affordable Housing, David J. Brown, editor, MIT Press 2004, pp. 20, 32-33, with Geoff Adams, Leslie Ford, Jim Fox and Marcus Bushong.

The HOME House Project Exhibition, University of North Texas Art Gallery at Denton, Texas; April 8-May 25, 2004. Contemporary Art Center of Virginia, Virginia Beach; June 13-July 18, 2004. Neighborhood Housing Services of Asheville in collaboration with the Asheville Art Museum, North Carolina, Green Buildings Council; September 1-October 31, 2004. Baltimore's Center for Visual Art and Culture, University of Maryland, in collaboration with the American Institute of Architects, Baltimore chapter, and the Community Design Center; September 30-November 30, 2004

Affordable Housing: Designing an American Asset, National Building Museum, Washington, D.C., February 28-August 8, 2004.

Schluntz, Roger

Chapter 4, "Public Libraries," Competing Globally in Architecture Competitions. Stanley Collyer, Editor, John Wiley and Sons Inc., New York, 2004.

Simon, Alfred

A Winter City, in Squares: A Public Place Design Guide for Urbanists, University of New Mexico Press, 2004.

Wheeler, Stephen

Planning for Sustainability, Routledge, London and New York, 2004.

The Sustainable Urban Development Reader, Routledge, London and New York; co-edited with Timothy Beatley, 2004.

Wilson, Chris

"Place Over Time: Restoration and Revivalism in Santa Fe," in *Giving Preservation a History*. Randall Mason and Max Page eds. New York: Routledge, 2004.

American Studies

Lubin, Alex

Lubin, Alex. "'What's Love Got To Do With It?' The Politics of Race and Marriage in the 1948 *Perez v. Sharp* Decision," *OAH Magazine of History*, Vol. 18, no. 4 (July 2004), 31-7.

Norwood, Vera

Norwood, Vera. "Nature," *Encyclopedia of World Environmental History* (New York: Routledge, 2004), pp. 875-883.

Schreiber, Rebecca M.

Schreiber, Rebecca M. "The Labors of Looking: Unseen America and the Visual Economy of Work," *American Quarterly*, (December 2004).

Anthropology

Basso, Keith

Don't Let the Sun Step Over You: A White Mountain Apache Family Life, 1860-1795, Eva Tulene Watt with assistance from Keith H. Basso, University of Arizona Press, Tuscon, 2004.

Bawden, Garth

"The Art of Moche Politics," in Archaeeology of the Incas and Other Ancient Civilizations of the Central Andes, H. Silverman, ed., pp. 116-130.

Book Review: *Moche Portraits from Ancient Peru*, by Christopher Donnan, University of Texas Press, in *Antiquity* 78(302): 953-955.

Buikstra, Jane E.

"Tombs from Copan's Acropolis: A Life History Approach," Co-authors: T.D. Price, J. H. Burton, and L.E. Wright, in *Understanding Early Classic Copan*, Ellen E. Bell, Marcello A. Canuto, and Robert J. Sharer, eds., Chapter 1, pp. 191-212. Philadelphia: University of Pennsylvania Museum of Archaeology and Anthropology.

"A 9,000-year record of Chagas' disease," Co-authors: Arthur C. Aufderheide, Wilmar Salo, Michael Madden, John Streitz, Felipe Guhl, Bernardo Arriaza, Colleen Renier, Lorentz E. Wittmers Jr., Gino Fornaciari, and Marvin Allison, in *Proceedings of the National Academy of Science*, 101 (7): 2034-2039.

"A Nineteenth-Century Rural Irish Cemetery in McDonough County, Illinois," Co-author: Lynne G. Goldstein, in *An Upper Great Lakes Archaeological Odyssey*, William A. Lovis, ed., Chapter 4, pp. 43-63. Detroit: Wayne State University Press.

"Biodistance Analysis, a Biocultural Enterprise: A Rejoinder to Armelagos and Van Gerven," Co-author: Christopher M. Stojanowski in *American Anthropologist*, 106 (2): 430-431.

"Field Paleoradiography of Skeletal Material from the Early Classic Period of Copan, Honduras," Co-authors: Kenneth C. Nystrom, and Ethan M. Braunstein, in *Canadian Association of Radiologists Journal* 55 (4): 246-253.

"Los Debates de los Gobernantes Mayas: Una Pespectiva Bioarqueologica," in *Investigadores de la Cultura Maya* 12, Tomo II, pp. 440-457. Campeche: Universidad Autonoma de Campeche.

"Anemia and Childhood Mortality: Latitudinal Patterning Along the Coast of Pre-Columbian Peru," Co-authors: Deborah E. Blom, Linda Keng, Paula B. Tomczak, Eleanor Shoreman, and Debbie Stevens-Tuttle, in *American Journal of Physical Anthropology*.

"Testing Winters' Models for Chronology and Structural Complexity at the Mound House site," Co-author: Douglas K. Charles, *In Memory of Howard Dalton Winters*, A-M. Cantwell and L. Conrad, eds., Illinois State Museum, Center for American Archaeology.

"Dando la Bienvenida a la Muerte: El Rol de los Camélidos en las Festivadades Funerarios Chiribaya en la Costa Sur del Perú," Co-authors: M.C. Lozada and G. Rakita, in *Primer Congreso Latinamericano de Ciencias Sociales y Humanidades: Imagen del Muerte*, Universidad Nacional Mayor de San Marcos, Lima Peru, pp. 39-48. 2004.

"From the earth: Minerals and Meaning in the Hopewellian World, in Soil, Stones, and Symbols," Co-Authors: D.K. Charles and J. Van Nest, in *Cultural Perceptions of the Mineral World*, N. Boivin and M. Owoc, eds., pp. 43-70. London: UCL Press. 2004.

Crown, Patricia L.

"Commensal Politics in the American Southwest: An Introductory Review," Co-author: W.H. Wills, in *Identity, Feasting, and the Archaeology of the Greater Southwest*, B. Mills, ed., pp. 153-172. The University of Arizona Press. 2004.

Dinwoodie, David

"William Morgan (1917-2001): Navajo Linguist," in Anthropological Linguistics 45.4: 427-449. 2004.

"Key Narratives in the Fort Chilcotin Post Journal," in *Papers of the Rupert's Land Colloquium* 2004: 449-461.

Feld, Steven

"Chitarre nella foresta: la nascita di una nuova musica in Nuova Guinea (Guitars in the Rainforest: The birth of a new music in New Guinea)," in *EM: Annuario degli Archivi di Etnomusicologia* NS 1: 49-69. Rome: Accademia Nazionale di Santa Cecilia. 2004.

"Dall'etnomusicologia all'eco-muse-ecologia, (From Ethnomusicology to Eco-Muse-Ecology, translated to Italian, originally in *Soundscape Newsletter* 1994) in *Ecologia Della Musica: Saggi sul paesaggio sonoro*, Antonello Colimberti, ed., pp. 43-51. Rome: Donzelli Editore. 2004.

"Doing Anthropology in Sound (A Conversation with Don Brenneis)," in *American Ethnologist* 31(4): 461-474. 2004.

"Musica/Antropologia/Popoli Indigeni (Music/Anthropology/Indigenous Peoples: An Interview with Antonello Ricci)," in AM: Antropologia Museale 8: 37-42. 2004.

"Une si douce berceuse pour la 'World Music' (A Sweet Lullaby for World Music, abridged, translated to French, originally published in *Public Culture*, 2000)," in *Musique et Anthropologie*. *L'Homme: Revue Française d'Ethnologie* 171/172, pp. 389-408, Bernard Lortat-Jacob and Miriam

Rovsing-Olsen, eds. 2004.

Producer, Recordist, Composer: *The Time of Bells: Soundscapes of Italy, Finland, Greece, and France.* Voxlox 104. 2004.

Producer, Recordist, Composer: *The Time of Bells II: Soundscapes of Italy, Finland, Greece, and France.* Voxlox 204. 2004.

Field, Les W.

"From Applied Anthropology to Collaborative Applications of Anthropological Tools: Examples from Indian Country," in *A Companion to the Anthropology of North American Indians*, pp. 472-489, Thomas Biolsi (ed.), Malden, MA: Blackwell Publishers.

Gorbet, Larry P.

"Investigating Focus in Noun Phrases," Co-author: Pamela Munro, in *Proceedings from the Sixth Workshop on American Indigenous Languages, Santa Barbara Papers in Linguistics.* Vol. 14, pp. 83-93, Jeanie Castillo, ed.

Hill, Kim

"Why do foragers share and sharers forage? Explorations of the social dimensions of foraging," Co-authors: M. Gurven and F. Jakugi, in *Socioeconomic aspects of Human Behavioral Ecology*, M. Alvard, ed., pp. 19-44. Oxford, UK: Elsevier Press.

"The ethics of research with remote tribal populations," Co-author: A.M. Hurtado, in *Lost Paradises and the Ethics of Research and Publication*, F. Salzano and A.M Hurtado, eds., pp. 193-210. NY: Oxford University Press.

"The ethical implications raised by 'Darkness in El Dorado' and what is the best manner for dealing with them," in *Yanomami: The Fierce Controversy*, R. Borofsky, ed., pp. 125-135. Berkeley: University of California Press.

"Some final thoughts on the ethical implications of 'Darkness in El Dorado'," in *Yanomami: The Fierce Controversy*, R. Borofsky, ed., pp. 243-254. Berkeley: University of California Press.

"On the first round of discussion," in *Yanomami: The Fierce Controversy*, R. Borofsky, ed., pp. 176-188. Berkeley: University of California Press.

"Economic experiments to examine fairness and cooperation among the Ache Indians of Paraguay," Coauthor: M. Gurven, in *Foundations of Human Sociality: Experiments and Ethnographic Evidence from small-scale societies*, J. Henrich and R. Boyd, eds., pp. 382-412. Oxford: Oxford University Press.

"Extremely limited mitochondrial DNA variability among the Aché Natives of Paraguay," Co-authors: R. Schmidt, S.B. Bonatto, L.B. Freites, A.M. Hurtado, and F. Salzano, in *Annals of Human Biology* 31: 87-94.

Huckell, Bruce B.

"Clovis in the Southwestern United States," in *New Perspectives on the First Americans*, Bradley T. Lepper and Robson Bonichsen, eds., pp. 93-101. Center for the Study of the First Americans: College Station, Texas.

"Late Pleistocene North America and Early Paleoindians," Co-author: J. David Kilby, in *Readings in Late Pleistocene North America and Early Paleoindians: Selections from American Antiquity*, compiled by Bruce B. Huckell and J. David Kilby. Washington, D.C: Society for American Archaeology.

Hurtado, A. Magdalena

"Geography influences Microsatellite Polymorphism Diversity in Amerindians," Co-authors: Fabiana Kohlrausch, Sidia M. Callegari-Jacques, Luiza T. Tsuneto, Maria L. Petzl-Erler, Kim Hill, Francisco M. Salzano, and Mara H. Hutz, in *American Journal of Physical Anthropology* 121: 134-150.

"Extremely limited mitochondrial DNA variability among the Aché Natives of Paraguay," Co-authors: R. Schmidt, S.B. Bonatto, L.B. Freites, K. Hill, and F. Salzano, in *Annals of Human Biology* 31: 87-94.

Kaplan, Hillard S.

"The Natural History of Human Food Sharing and Cooperation: A Review and a New Multi-Individual Approach to the Negotiation of Norms," Co-author: M Gurven, in *Moral Sentiments and Material Interests: On the Foundations of Cooperation in Economic Life*, Herbert Gintis, Samuel Bowles, Robert Boyd, and Ernst Fehr (eds.) MIT Press.

Komar, Debra A.

Book Review: Death's Acre: Inside the Legendary Forensic Lab the Body Farm Where The Dead do Tell Tales by William H. Bass, in Journal of Anthropological Research 60 (2): 289-290.

Lamphere, Louise

"The Convergence of Applied, Practicing and Public Anthropology in the 21st Century," in *Human Organization* 63 (4): 431-443.

"Unofficial Histories: A Vision of Anthropology From the Margins," 2001 American Anthropological Association Presidential Address, in *American Anthropologist* 106 (1): 126-139.

Lancaster, Jane B.

Scientific Editor: *Human Nature: An Interdisciplinary, Biosocial Perspective*. Aldine de Gruyter, Volume 15.

Oakdale, Suzanne R.

"The Culture-Conscious Brazilian Indian," in American Ethnologist 33: 60-75.

Book Review: The Anthropology of Love and Anger: The Aesthetics of Conviviality in Native Amazonia, by Joanna Overing and Alan Passes, in Journal of Anthropological Research 60: 270-271.

Book Review: Consuming Grief: Compassionate Cannibalism in an Amazonian Society, by Beth Conklin, in American Anthropologist 106: 183-184.

Pearson, Osbjorn M.

"The aging of Wolff's 'Law': Ontogeny and responses to mechanical loading in cortical bone," Co-authors: D.E. Lieberman, in *Yearbook of Physical Anthropology* 47: 63-99.

"Has the combination of genetic and fossil data solved the riddle of the origin of modern humans?," in *Evolutionary Anthropology* 13: 145-159.

Book Review: The Human Fossil Record, vol. 2. Craniodental Morphology of the Genus Homo (Africa and Asia), by Jeffrey Schwartz and Ian Tattersall, in Journal of Anthropological Research 60: 130-131.

Rodriguez, Sylvia

"Introduction," in *Taos Baptisms*, *Catholic Parishes and Missions*, New Mexico Genealogical Society: v-viii.

Santley, Robert

"Prehistoric Salt Production at El Salado, Veracruz, Mexico," in *Latin American Antiquity* 15: 199-221.

"Ranchoapan: The 'New Obsidian' City of the Tuxtlas?" in *Research Papers Series*, No. 41, Albuquerque, NM: Latin American Institute, University of New Mexico.

"What was Teotihuacan doing in the Maya Region?" in *Journal of Anthropological Research* 60: 379-396.

Singer, Beverly R.

Associate Producer of the Film, Who We Are, The Smithsonian Institution National Museum of the American Indian in Washington, D.C.

Director, Researcher, Editor of the Film, Waking Up on Central. Premiere screening at The Guild Cinema, Albuquerque, NM.

"Facing Ancestry," in Beyond the Reach of Time and Change: The Photography of Frank A. Rinehart, Simon Ortiz, ed. Arizona: University of Arizona Press.

Straus, Lawrence G.

Editor-in-Chief, Journal of Anthropological Research, 2004.

Book Review Editor, Archeology & Paleoanthropology: Journal of Anthropological Research, 2004.

Book Review: After the Ice, by S. Mithen, in Science 303: 1300-1302.

Book Review: La Cova dels Cavalls, by R. Martinez Valle and V. Villaverde, in Journal of Anthropological Research 60: 128-130.

Book Review: El Arte Prehistorico desde los Inicios del Siglo XXI, by R. de Balbin and P. Bueno, eds., in Journal of Anthropological Research 60: 305-309.

Book Review: Arte Prehistorico en la Region Cantabrica, by C. Gonzalez Sainz et al. In Journal of Anthropological Research 60: 299-303.

Book Review: Las Cuevas del Desfiladero, by C. Gonzalez Sainz and C. San Miguel. In Journal of Anthropological Research 60: 299-303.

Book Review: La Cueva de Covalanas, by M. Garcia and J. Eguizabal. In Journal of Anthropological Research 60: 299-303.

Book Review: Neandertals in the Levant: Behavioral Organization & the Beginnings of Human Modernity, by D.O. Henry, in Journal of Anthropological Research 60: 417-419.

Book Review: Settlement Dynamics of the Middle Paleolithic & Middle Stone Age, N.J. Conard, ed., in Journal of Anthropological Research 60: 622-623.

"Transitions into & out of 'Mesolithic' adaptations along the Atlantic façade of Europe and beyond," in *The Mesolithic of the Atlantic Façade*, M. Gonzales Morales & G.A. Clark, eds.

"Transitions into & out of 'Mesolithic' adaptations along the Atlantic façade of Europe and beyond," in *Anthropological Research Papers* No. 55, pp. 249-260. Tempe.

"Post-Pleistocene faunas from the archeological site of El Miron Cave: a preliminary summary," Co-authors: J. Altuna et al., in *Miscelanea en Homenaje a Emiliano Aguirre*, E. Baquedano, ed. Museo Arqueologico Regional, Alcala de Henares (Madrid), vol. 2, pp. 40-49.

"Postglacial coast and inland: Epipaleolithic-Mesolithic-Neolithic transitions in Vasco-Cantabrian Spain," Co-authors: M. Gonzalez Morales, A. Diez, and J. Ruiz, in *Munibe* 56: 61-78.

"La Cueva del Miron (Ramales de la Victoria)," Co-author: M. Gonzalez Morales, in *III Congreso del Neolitico en la Peninsula Iberica: Libro Guia de la Excursion*, P. Arias, et al., eds., Universidad de Cantabria, Santander, pp. 25-35.

"Sixty years of SWJA/JAR," in Journal of Anthropological Research 60: 1-3.

"Canto de ocre con reticula grabada. El Miron (Ramales de la Victoria, Cantabria), Co-author: M. Gonzalez Morales, in *La Materia del Lenguaje Prehistorico*, P. Arias and R. Ontanon, eds., Gobierno de Cantabria, Santander, pp. 173-174.

Commentary: How the West was lost: a reconsideration of agricultural origins in Britain, Ireland and southern Scandinavia, by P. Rowley-Conwy, in Current Anthropology 45: S104-105.

"Obituary of Victoria Cabrera Valdes," in Journal of Anthropological Research 60: 635-636.

"Six decades of publishing 'in the interest of general anthropology'," in *Journal of Anthropological Research* 60: 627-633.

"The Paleolithic in America, a preamble to the 'excavation' of a great museum," in *The Old World Paleolithic and the Development of a National Collection*, M. Petraglia and R. Potts, eds.

"The Paleolithic in America, a preamble to the 'excavation' of a great museum," in *Smithsonian Contributions in Anthropology* No. 48, Washington, D.C., pp. ix-xiii.

Watkins, Joe E.

"Becoming American or Becoming Indian? NAGPRA, Kennewick, and Cultural Affiliation," in *Journal of Social Archaeology* 4 (1): 60-80.

"Representing and Repatriating the Past," in *North American Archaeology*, Timothy Pauketat and Diana Loren, eds., pp. 337-358. Blackwell Press: Malden, MA.

"Public Policy and Native Americans: How Do We Go From Here?" in *New Perspectives on the First Americans*, Bradley Leeper, ed., pp. 201-205. Center for the Study of the First Americans, College Station, TX.

Book Review: *Indians of Central and South Florida*, 1513-1763, by John H. Hann, *Journal of Anthropological Research* 60 (2): 316-317. 2004.

Book Review: *Places in Mind: Public Archaeology as Applied Anthropology* by Paul A. Shackel and Erve J. Chambers, eds., in *Journal of Anthropological Research* 60 (4): 602-603. 2004.

"Archaeology, Aboriginals and the Past," Ethical Currents, Anthropology News 45 (8): 12. 2004.

"Discussing Ethics," Ethical Currents," Ethical Currents, Anthropology News 45 (5): 9. 2004.

"Comment on 'Looking Several Ways: Anthropology and Native Heritage in Alaska," in *Current Anthropology* 45 (1): 26. 2004.

"Teaching Anthropological Ethics," Ethical Currents, Anthropology News 45 (2): 21. 2004.

Wills, W.H.

"Commensal Politics in the Prehispanic Southwest: An Introductory Review," Co-author: P.L. Crown, in *Identity, Feasting and the Archaeology of the Greater Southwest*, B. Mills, ed., pp. 153-172. The University Press of Colorado, Boulder.

Biology

Barton, Larry L.

Barton, L.L. 2004. Structural and Functional Relationships in Prokaryotes. New York, NY: Springer Press, 750 pp.

Johnson, G.V., A.R. Richard and L.L. Barton. 2004. Physiological responses of tomato roots grown in organic culture to iron-deficiency stress. *Soil Science and Nutrition* 50: 55-60.

Brown, James H.

Lomolino, M.V., D.F. Sax and J.H. Brown, eds. 2004. *Foundations of Biogeography*. Chicago, IL: University of Chicago Press.

Brown, J.H., E.J. Bedrick, S.K.M. Ernest, J.-L.E. Cartron and J.F. Kelly. 2004. Constraints on negative relationships: Mathematical causes and ecological consequences. *The Nature of Scientific Evidence*, M.L. Taper, S. Lele and N. Lewin-Koh, eds. Baltimore, MD: Johns Hopkins University Press.

Brown, J.H. and D. Sax. 2004. Gradients in species diversity: Why are there so many species in the tropics? *Foundations of Biogeography*, Lomolino, M.V., D.F Sax and J.H. Brown, eds. Chicago, IL: University of Chicago Press.

Brown, J.H. and G.B. West. 2004. One rate to rule them all. New Scientist 182: 38-41.

Ackerman, J.L., D.R. Bellwood and J.H. Brown. 2004. The contribution of small individuals to density-body size relationships: Examination of energetic equivalence in reef fishes. *Oecologia* 139: 568-571.

Brown, J.H., J.F. Gillooly, A.P. Allen, V.M. Savage and G.B. West. 2004. Toward a metabolic theory of ecology. *Ecology* 85: 1771-1789.

Brown, J.H., J.F. Gillooly, A.P. Allen, V.M. Savage and G.B. West. 2004. Response to forum commentary on *Toward a Metabolic Theory of Ecology*. *Ecology* 85: 1818-1821.

Jetz, W., C. Carbone, J. Fulford and J.H. Brown. 2004. The scaling of animal space use. *Science* 306: 266-268.

Lyons, S.K., F.A. Smith and J.H. Brown. 2004. Of mice, mastodons, and men: Human mediated extinctions on four continents. *Evolutionary Ecology Research* 6: 339-358.

Lyons, S.K., F.A. Smith, P.J. Wagner, E.P. White and J.H. Brown. 2004. Was a "hyper disease" responsible for the late Pleistocene mega faunal extinction? *Ecology Letters* 7: 859-868.

Meehan, T.D., W. Jetz and J.H. Brown. 2004. Energetic determinants of abundance in winter land bird communities. *Ecology Letters* 7: 532-537.

Pimm, S.L. and J.H. Brown. 2004. Domains of diversity. Science 304: 832-833.

Savage, V.M., J.F. Gillooly, J.H. Brown, G.B. West and E.L. Charnov. 2004. Effects of body size and temperature on population growth. *American Naturalist* 163: E429-E441.

Savage, V.M., J.F. Gillooly, W.H. Woodruff, G.B. West, A.P. Allen, B.J. Enquist, J.H. Brown. 2004. The predominance of quarter-power scaling in biology. *Functional Ecology* 18: 257-282.

Smith, F.A., J.H. Brown, J.P. Haskell, S.K. Lyons, J. Alroy, E.L. Charnov, T. Dayan, B.J. Enquist, S.K.M. Ernest, E.A. Hadly, K.E. Jones, D.A. Kaufman, P.A. Marquet, B.A. Maurer, K.J. Niklas, W.P. Porter, B. Tiffney and M.R.Willig. 2004. Similarity of mammalian body size across space and time. *American Naturalist* 163: 672-691.

West, G.B., J.H. Brown and B.J. Enquist. 2004. Growth models based on first principles of phenomenology. *Functional Ecology* 18: 188-196.

Brown, J.H. 2004. Review of Blumberg's Body Heat: Temperature and Life on Earth. Journal of Mammalogy 85 (5): 1028.

Cadavid, Luis F.

Cadavid, L.F., A. Powell, M.L. Nicotra, M. Moreno and L.W. Buss. 2004. An invertebrate histocompatibility complex. *Genetics*, 167: 357-365.

Cadavid, L.F. 2004. Self-discrimination in colonial invertebrates: Genetic control of allorecognition in the hydroid *Hydractinia*. *Developmental and Comparative Immunol.*, 28: 871-879.

Charnov, Eric L.

Smith, F.A., J.H. Brown, J.P. Haskell, S.K. Lyons, J. Alroy, E.L. Charnov, T. Dayan, B.J. Enquist, S.K.M. Ernest, E.A. Hadly, et. al. 2004. Similarity of mammalian body size across the taxonomic hierarchy and across space and time. *American Naturalist* 163: 672-691.

Savage, V.M., J.F. Gillooly, J.H. Brown, G.B.West and E.L. Charnov, E.L. 2004. Effects of body size and temperature on population growth. *American Naturalist* 163: E429-E441.

Charnov, E.L. 2004. The optimal balance between growth rate and survival in mammals. *Evolutionary Ecology Research* 6: 307-313.

Charnov, E.L. 2004. Shrimp equalize marginal payoffs in an evolutionary game with condition dependence. *Evolutionary Ecology Research* 6: 627-630.

Cook, Joseph A.

Lucid, M. and J. Cook. 2004. Phylogeography of Keen's mouse (*Peromyscus keeni*) in a naturally fragmented landscape. *Journal of Mammalogy* 85: 1149-1159.

Eddingsaas, A., B. Jacobsen, E. Lessa and J. Cook. 2004. Evolutionary history of the arctic ground squirrel (*Spermophilus parryii*) in Nearctic Beringia. *Journal of Mammalogy* 85: 591-600.

Waltari, E., J.R. Demboski, D. Klein and J. Cook. 2004. A molecular perspective on the historical biogeography of the northern high latitudes. *Journal of Mammalogy* 85: 601-610.

Cook, J., A. Runck, and C. J. Conroy. 2004. Historical biogeography at the crossroads of the northern continents: Molecular phylogenetics of red-backed voles (*Rodentia: Arvicolinae*). *Molecular Phylogenetics and Evolution* 30: 767-777.

Galbreath, K. and J. Cook. 2004. Genetic consequences of Pleistocene glaciations for the tundra vole (*Microtus oeconomus*) in Beringia. *Molecular Ecology* 13: 135-148.

Council-Garcia, Cara Lea

Council-Garcia, C.L., S.H. Ligon, and L.R. Berger. 2004. *Lab Manual for Biology 112: Biology Laboratory for Non-Majors*. Boston, MA: Pearson Custom Publishing.

Cripps, Richard M.

Herranz, R., C. Diaz-Castillo, T.P. Nguyen, T.L. Lovato, R.M. Cripps and R. Marco. 2004. Characterization of the whole Troponin C gene repertoire in *Drosophila melanogaster*. *Gene Expression Patterns*. 4: 183-190.

Cripps, R.M., T.L. Lovato and E.N. Olson. 2004. Positive autoregulation of the *Myocyte* enhancer factor-2 myogenic control gene during somatic muscle development in *Drosophila*. *Developmental Biology* 267: 536-547.

Gosz, James R.

Shachak, M., J. Gosz, S.T.A. Pickett and A. Perevolotsky, Eds. 2004. *Biodiversity in Drylands: Towards a Unified Framework*. Oxford, UK: Oxford University Press.

Shachak, M., S.T.A. Picket and J. Gosz. 2004. Introduction. A framework for biodiversity studies. Pp. 3-12 in *Biodiversity in Drylands: Towards a Unified Framework*, M. Shachak, J. Gosz, S.T.A. Pickett and A. Perevolotsky, Eds. Oxford, UK: Oxford University Press.

Shachak, M., J. Gosz and S.T.A. Pickett. 2004. Species diversity and ecosystem processes in water limited systems. Pp. 153-166 in *Biodiversity in Drylands: Towards a Unified Framework*, M. Shachak, J. Gosz, S.T.A. Pickett and A. Perevolotsky, Eds. Oxford, UK: Oxford University Press.

Shachak, M., J. Gosz, A. Perevolostsky and S.T.A. Pickett. 2004. Toward a unified framework in biodiversity studies. Pp. 320-336 in *Biodiversity in Drylands: Towards a Unified Framework*, M. Shachak, J. Gosz, S.T.A. Pickett and A. Perevolotsky, Eds. Oxford, UK: Oxford University Press.

Binkley, D., C. White and J. Gosz. 2004. Tree biomass and net increment in an old aspen forest in New Mexico. *Forest Ecology and Management* 203: 407-410.

Kodric-Brown, Astrid

Kodric-Brown, A. and J.A. Rosenfield. 2004. Populations of Pecos pupfish (*Cyprinodon pecosensis*) differ in their susceptibility to hybridization with sheepshead minnow (*C. variegatus*). Behavioral Ecology and Sociobiology 56: 116-123.

Rosenfield, J.A., S. Nolasco, S. Lindauer, C. Sandoval and A. Kodric-Brown. 2004. The role of hybrid vigor in the replacement of Pecos pupfish by its hybrids with sheepshead minnow. *Conservation Biology* 18: 1-10.

Kodric-Brown, A. 2004. Invasive exotic species problem, Conservation Biology 18: 1-1. Review of Invasive Exotic Species in the Sonoran Region, B. Tellman, ed.

Loker, Eric S.

Loker, E.S., C.M. Adema, S.-M. Zhang and T.B. Kepler. 2004. Invertebrate immune systems—Not homogeneous, not simple, not well understood. *Immunological Reviews* 198: 10-24.

Nowak, T.S., A.C. Woodards, Y. Jung, C.M. Adema and E.S. Loker. 2004. Identification of transcripts generated during the response of resistant *Biomphalaria glabrata* to *Schistosoma mansoni* infection using suppression subtractive hybridization. *Journal of Parasitology* 90: 1034-1040.

Hertel, L.A., C.S. Barbosa, R.A.A.L. Santos and E.S. Loker. 2004. Molecular identification of symbionts from the pulmonate snail *Biomphalaria glabrata* in Brazil. *Journal of Parasitology* 90: 759-763.

Zhang, S.M., C.M. Adema, T.B. Kepler and E.S. Loker. 2004. Diversification of Ig super family genes in an invertebrate. *Science* 305: 251-254.

Zhang, S.-M. and E.S. Loker. 2004. Representation of parasite-responsive genes encoding fibrinogen-related proteins (FREPs) in the freshwater mollusc *Biomphalaria glabrata*, an intermediate host for *Schistosoma mansoni*. *Gene* 341: 255-266.

Marshall, Diane L.

Bernasconi, G., T.-L. Ashman, T.R. Birkhead, J.D.D. Bishop, U. Grossniklaus, E. Kubli, D.L. Marshall, B. Schmid, I. Skogsmyr, R.R. Snook, D. Taylor, I. Till-Bottraud, P.I. Ward, D.W. Zeh and B. Hellriegel. 2004. Evolutionary ecology of the prezygotic stage. *Science* 303: 971-975.

Rowland, D.L., A.A. Sher and D.L. Marshall. 2004. Inter- and intra-population variation in seedling performance of Rio Grande cottonwood under low and high salinity. *Canadian Journal of Forestry Research* 34 (7): 1458-1466.

Miller, Robert D.

Flores-Ramirez, S., R.D. Miller and J. Urban-Ramirez. 2004. Major histocompatibility complex I polymorphism in a cetacean: The gray whale (*Eschrichtius robustus*). *Marine Mammal Science* 20: 262-273.

Browning, T.L., K. Belov, R.D. Miller and M.D.B. Eldridge. 2004. Molecular cloning and characterization of the polymorphic MHC class II DBB from the tammar wallaby (*Macropus eugenii*). *Immunogenetics* 55: 791-795.

Belov, K., R.D. Miller, A. Ilijeski, L. Hellman and G.A. Harrison. 2004. Isolation of monotreme T cell receptor alpha and beta chains. *Immunogenetics* 56: 164-169.

Miska, K.B., A. Wright, R. Lundgren, R. McCleese, A. Osterman, J. Gale and R.D. Miller. 2004. Analysis of a marsupial MHC region containing two recently duplicated class I loci. *Mammalian Genome* 15: 851-864.

Nowak, M.A., Z.E. Parra, L.H. Hellman and R.D. Miller. 2004. The complexity of expressed kappa light chains in the egg-laying mammals. *Immunogenetics* 56: 555-563.

Natvig, Donald O.

Braun, E.L., D.O. Natvig, M. Werner-Washburne and M.A. Nelson. 2004. pp. 295-313 in Genomics in *Neurospora crassa*: From one-gene-one-enzyme to 10,000 genes. *Applied Mycology and Biotechnology*, Vol. 4. *Fungal Genomics*, D.K. Arora and G.G. Khachatourians, eds.

Northup, D.E., S.M. Barns, L.E. Yu, C.A. Connolly, D.O. Natvig and C.N. Dahm. 2004. Diverse microbial communities inhabiting ferromanganese deposits in Lechuguilla and Spider caves. *Environmental Microbiology* 5: 1071-1086.

Jacobson, D.J., A.J. Powell, J.R. Dettman, G.S. Saenz, M.M. Barton, M.D. Hiltz, W.H. Dvorachek, Jr., N.L. Glass, J.W. Taylor and D.O. Natvig. 2004. *Neurospora* in temperate forests of western North America. *Mycologia* 96: 66-74.

Nelson, Mary Anne

Nowrousian, M., J.C. Dunlap and M.A. Nelson. 2004. Functional Genomics in Fungi. pp. 115-128 in *The Mycota*, Vol. II, U. Kuck, ed. New York: Springer-Verlag.

Braun, E.L., D.O. Natvig, M. Werner-Washburne and M.A. Nelson. 2004. Genomics in *Neurospora crassa*: From One-gene-one-enzyme to 10,000 genes. Pp. 295-313 in *Fungal Genomics and Bioinformatics*, Vol. 4, *Applied Mycology and Biotechnology Series*, D.K. Arora and G.G. Khachatourians, eds. Amsterdam: Elsevier Science.

Poe, Steven

Poe, S. and A. Chubb. 2004. Birds in a bush: Five genes indicate explosive evolution of avian orders. *Evolution* 58: 404-415.

Poe, S. 2004. Phylogeny of Anoles. Herpetological Monographs 18: 37-89.

Poe, S. 2004. A test for patterns of modularity in sequences of developmental events. *Evolution* 58: 1852-5.

Poe, S. and M.H. Wake. 2004. Quantitative tests of general models for the evolution of development. *American Naturalist* 164: 415-422.

Pockman, William T.

McCulley, R.L., E.G. Jobbágy, W.T. Pockman and R.B. Jackson. 2004. Nutrient uptake as a contributing explanation for deep rooting in arid and semi-arid ecosystems. *Oecologia* 141: 620-628.

Huxman, T.E., D. Tissue, K. Snyder, J. Leffler, K. Ogle, W.T. Pockman, D.R. Sandquist and D.G. Williams. 2004. Precipitation pulses and carbon dynamics in semi-arid and arid ecosystems. *Oecologia* 141: 254-268.

Angeles, G., B. Bond, J.S. Boyer, T. Brodribb, J.R. Brooks, M.J. Burns, J. Cavender-Bares, M. Clearwater, H. Cochard, J. Comstock, S.D. Davis, J.-C. Domec, L. Donovan, F. Ewers, B. Gartner, U. Hacke, T. Hinckley, N.M. Holbrook, H.G. Jones, K. Kavanagh, B. Law, J.

Lopez-Portillo, C. Lovisolo, T. Martin, J. Martinez-Viltalta, S. Mayr, F.C. Meinzer, P. Melcher, M. Mencuccini, S. Mulkey, A. Nardini, H.W. Neufeld, J. Passiuoura, W.T. Pockman, R.B. Pratt, S. Rambal, H. Richter, L. Sack, S. Salleo, A. Schubert, P. Schulte, J.P. Sparks, J.Sperry, R. Teskey and M. Tyree. 2004. Letter: The Cohesion–Tension Theory. *New Phytologist* 163: 451-452.

McElrone, A.J., W.T. Pockman, J. Martinez-Vilalta and R.B. Jackson. 2004. Variation in xylem structure and function in stems and roots of trees to 20 m depth. *New Phytologist* 163: 507-517.

Maherali, H., W.T. Pockman and R.B. Jackson. 2004. Adaptive variation in the hydraulic architecture of woody plants. *Ecology* 85 (8): 2184-2199.

Sinsabaugh, Robert L.

Antibus, R.K. and R.L. Sinsabaugh. 2004. Pure culture and birch stick microcosm studies of hydrolytic enzymes in *Piptoporus betulinus* and *Phellinus igniarious*. pp. 323-336 in *Fungi in Forest Ecosystems: Systematics, Diversity and Ecology*, Cathy L. Cripps, ed. New York: Botanical Garden Press.

Castillo M.M., J.D. Allan, R.L. Sinsabaugh and G.W. Kling. 2004. The influence of seasonality and landscape characteristics on bacterial production in lowland rivers of the Orinoco basin. *Freshwater Biology* 49: 1400-1414.

Waldrop, M.P., D.R. Zak and R.L. Sinsabaugh. 2004. Microbial community response to nitrogen deposition in northern forest ecosystems. *Soil Biology and Biochemistry* 36 (9): 1443-1451.

Waldrop, M.P., D.R. Zak, R.L. Sinsabaugh, M.E. Gallo and C. Lauber. 2004. Nitrogen deposition modifies soil carbon storage through changes in microbial enzyme activity. *Ecological Applications* 14 (4): 1172-1177.

Neher, D.A., T.R. Weicht, D.L. Moorhead and R.L. Sinsabaugh. 2004. Elevated CO₂ alters functional attributes of nematode communities in forest soils. *Functional Ecology* 18: 584-591.

Sinsabaugh, R.L., D.R. Zak, M. Gallo, C. Lauber and R. Amonette. 2004. Nitrogen deposition and dissolved organic matter production in northern temperate forests. *Soil Biology and Biochemistry* 36 (9): 1509-1515.

Gallo, M., R. Amonette, C. Lauber, R.L. Sinsabaugh and D.R. Zak. 2004. Short-term changes in oxidative enzyme activity and microbial community structure in nitrogen-amended north temperate forest soils. *Microbial Ecology* 48: 218-229.

Snell, Howard L.

Milinkovitch, M.C., D. Monteyne, J.P. Gibbs, T.H. Fritts, W. Tapia, H. Snell, R. Tiedemann, A. Caccone and J.R. Powell. 2004. Genetic analysis of a successful repatriation programme: Giant Galápagos tortoises. *Proceedings of the Royal Society of London, Biological Sciences* 271: 341-345.

Wikelski, M., J. Foufopoulos, H. Vargas and H. Snell. 2004. Galápagos Birds and diseases: Invasive pathogens as threats for island species. *Ecology and Society* 9(1): 5.

Furrer, S.C., J.M. Hatt, H. Snell, C. Marquez, R.E. Honegger and A. Rubel. 2004. Comparative study on the growth of juvenile Galápagos giant tortoises (*Geochelone nigra*) at the Charles Darwin Research Station (Galápagos Islands, Ecuador) and Zoo Zurich (Zurich, Switzerland). Zoo Biology 23 (2): 177–83.

Márquez, C., H. Snell and H.M. Snell. 2004. La Niña, El Niño, and the giant Galápagos tortoises of Isabela *Geochelone nigra vandenburghi*. *Reptilia* 37: 27-30.

Stricker, Stephan A.

Stricker, S.A. 2004. Dual-channel confocal ratioing of calcium dynamics in living eggs and oocytes. pp. 137-148 in *Germ Cell Protocols Vol. 2: Molecular Embryo Analysis, Live Imaging, Transgenesis, and Cloning* (H. Schatten, ed.). Totowa, NJ: Humana Press.

Smythe, T.L. and S.A. Stricker. 2004. Germinal vesicle breakdown is not fully dependent on MAPK activation in maturing oocytes of marine nemertean worms. *Molecular Reproduction and Development* 70: 91-102.

Thornhill, Randy

Thornhill, R. and S.W. Gangestad. 2004. The evolution of human attractiveness and attraction. pp. 247-259 in *Evolution: From Molecules to Ecosystems*, A. Moya and E. Font, eds. Oxford University Press.

Gangestad, S.W. and R. Thornhill. 2004. Female multiple mating and genetic benefits in humans: Investigations of design. pp. 90-116 in *Sexual Selection in Primates*, P. Kappler and C. van Schaik, eds. Cambridge University Press, Cambridge, UK.

Thornhill, R. and C.T. Palmer. 2004. Evolutionary life history perspective on rape. pp. 249-274 in *Evolutionary Psychology, Public Policy and Personal Decisions*, C. Crawford and C. Salmon, eds. Lawrence Erlbaum, Mahwah, NJ.

Turner, Thomas F.

Turner, T.F., T.E. Dowling, R.E. Broughton and J.R. Gold. 2004. Variable microsatellite markers amplify across divergent lineages of cyprinid fishes. *Conservation Genetics* 5 (2) 279-281.

Turner, T.F., M.V. McPhee, P. Campbell and K.O. Winemiller. 2004. Phylogeography and intraspecific genetic variation of prochilodontid fishes endemic to rivers of northern South America. *J. Fish Biology* 64: 186-201.

Wares, J.P., D. Alò and T.F. Turner. 2004. A genetic perspective on management and recovery of federally endangered trout (*Oncorhynchus gilae*) in the American Southwest. *Can. J. Fish. Aquat. Sci.* 61: 1890-1899.

McPhee, M.V. and T.F. Turner. 2004. No genetic evidence for hybridization between Rio Grande sucker, *Catostomous plebeius*, and white sucker, *C. commersoni*, in the upper Rio Grande New Mexico. *Environmental Biology of Fishes* 71: 85-93.

Saillant, E., K. Cizdziel, K.G. O'Malley, T.F. Turner, C.L. Pruett and J.R. Gold. 2004. Microsatellite markers for red drum, *Sciaenops ocellatus*. *Gulf of Mexico Science* 22 (1): 101-107.

Wagner, Andreas

Wagner, A. and J. Wright. 2004. Compactness and cycles in signal transduction and transcriptional regulation networks: A signature of natural selection? *Advances in Complex Systems* 7: 419-432.

Conant, G.C. and A. Wagner. 2004. Duplicate genes and robustness to transient gene knockouts in *Caenorhabditis elegans*. *Proceedings of the Royal Society of London*, Series B 271: 89-96.

Hahn, M., G.C. Conant and A. Wagner. 2004. Evolution in large genetic networks: Connectivity does not equal importance. *Journal of Molecular Evolution* 58: 203-211.

Gilchrist, M.A., L.A. Salter, A. Wagner, M.A. Gilchrist, L. Salter and A. Wagner. 2004. A statistical framework for combining and interpreting proteomic datasets. *Bioinformatics* 20: 689-700.

Wagner, A. 2004. Reconstructing pathways in large genetic networks from genetic perturbations. *Journal of Computational Biology* 11: 53-60.

Tringe, S.G., A. Wagner and S.W. Ruby. 2004. Enriching for direct regulatory targets in perturbed gene expression profiles. *Genome Biology* 5: 109.

Evangelisti, A and A. Wagner. 2004. Molecular evolution in the transcriptional regulation network of yeast. *Journal of Experimental Zoology, Part B–Molecular and Developmental Evolution* 302B: 392-411.

Conant, G.C. and A. Wagner. 2004. A fast algorithm for determining the longest combination of local alignments to a query sequence. *BMC Bioinformatics* 5: 62.

Waide, Robert B.

Groffman, P.M., M. Shachak, M. and R.B. Waide. 2004. Unified Framework II: Ecosystem processes: A link between species and landscape diversity. Pp. 220-230 in *Dryland Biodiversity* (J. Gosz, S. Pickett, A. Perevelotsky and M. Shachak, eds). New York: Oxford University Press.

Andelman, S.J., C.M. Bowles, M.R. Willig and R.B. Waide. 2004. Disentangling biocomplexity through a Distributed Knowledge Network. *BioScience* 54: 240-246.

Werner-Washburne, Margaret

Martinez, M.J., A.B. Archuleta, A.L. Rodriquez, P. Wentzell, A.D. Aragon, C.P. Allen, S. Roy and M. Werner-Washburne. 2004. Genomic analysis of stationary phase and exit in *Saccharomyces cerevisiae*: Transcriptional profiling and analysis of essential genes. *Molecular Biology of the Cell* 15: 5295-5305.

Gray, J.V., G.A. Petsko, G.C. Johnston, D. Ringe, R. Singer and M. Werner-Washburne. 2004. Sleeping Beauty: Quiescence in *Saccharomyces cerevisiae*. *Microbiology of Molecular Biology Review* 68: 187-206.

Martin, S., G. Davidson, E. May, J.-L. Faulon and M. Werner-Washburne. 2004. Inferring genetic networks from microarray data. *Third International IEEE (CSB)*, pp. 566-569.

Sinclair, M.B., J.A. Timlin, D.M. Haaland and M. Werner-Washburne. 2004. Design, construction, characterization, and application of a hyperspectral microarray scanner. *Applied Optics* 432079-2088.

Wolf, Blair O.

Martínez del Río, C., B.O. Wolf and R. Haughey. 2004. Saguaros and White-winged Doves: The natural history of an uneasy partnership. Pp. 122-143 (Chapter 7) in *Conserving Migratory Pollinators and Nectar Corridors in Western North America*, G Nabhan, ed. Arizona-Sonora Desert Museum Studies in Natural History, The University of Arizona Press, Tucson AZ.

McKechnie, A.E. and B.O. Wolf. 2004. Solar radiation and the energetic cost of rewarming from torpor. Pp. 63-70 in *Life in the Cold: Evolution, Mechanisms, and Application*, B.M. Barnes and H.V. Carey, eds. 12th International Hibernation Symposium, Biological Papers of the University of Alaska, No. 27.

McKechnie, A.E. and B.O. Wolf. 2004. The energetics of the rewarming phase of avian torpor. Pp. 265-273 in *Life in the Cold: Evolution, Mechanisms, and Application*, B.M. Barnes and H.V. Carey, eds. 12th International Hibernation Symposium, Biological Papers of the University of Alaska, No. 27.

Carlton, S.A., B.O. Wolf and C. Martínez del Río. 2004. Keeling plots for hummingbirds: A field method to estimate carbon stable isotope ratios of respired CO₂ in small vertebrates. *Oecologia* 141:1-6.

Smith, R.B., E.C. Greiner and B.O. Wolf. 2004. Migratory movements of Sharp-shinned Hawks in relation to prevalence, intensity and biogeography of avian hematozoan parasites. *The Auk* 121: 837-846.

McKechnie, A.E. and B.O. Wolf. 2004. The allometry of avian basal metabolic rate: Good predictions need good data. *Physiological and Biochemical Zoology* 77: 502-521.

McKechnie, A.E., B.O. Wolf and C. Martínez del Río. 2004. Deuterium stable isotope ratios as tracers of water resource use: An experimental test with rock doves. *Oecologia* 140: 191-200.

McKechnie, A.E. and B.O. Wolf. 2004. Partitioning of evaporative water loss in White-winged Doves: Plasticity in response to short-term thermal acclimation. *Journal of Experimental Biology* 207: 203-210.

Chemistry

Dunaway-Mariano, Debra

Lahiri SD, Zhang G, Dia J, Dunaway-Mariano D, and Allen KN. Analysis of the Substrate Specificity Loop of the HAD Superfamily Cap Domain. *Biochemistry* 43, 2812-2820 (2004).

Zhuang Z, Song F, Takami H, Dunaway-Mariano D. The BH1999 protein of Bacillus halodurans C-125 is gentisyl-coenzyme Athioesterase. *J Bacteriol.* (2004) 186, 393-9.

Morais MC, Zhang G, Zhang W, Olsen DB, Dunaway-Mariano D, Allen KN. X-ray crystallographic and site-directed mutagenesis analysis of the mechanism of Schiff-base formation in phosphonoacetaldehyde hydrolase catalysis. *J Biol Chem.* 279, 9353-9359 (2004)

Engen, John

Wu, Y. and Engen, J.R. (2004). What mass spectrometry can reveal about protein function. *Analyst (London)* 129, 290-296.

Carter, J.M., Prossnitz, E.R. and Engen, J.R. (2004). Interaction between arrestin2 and the Src-family kinase Hck. *FASEB J.* 18 (8s) C251-C252.

Caldeira, J.C., Wu, Y., Mameli, M., Purdy, R.H., Li, P.-K., Akwa, Y., Savage, D.D., Engen, J.R. and Valenzuela, C.F. (2004). Fetal alcohol exposure alters neurosteroid levels in the developing rat brain. *J. Neurochem.* 90 (6), 1530-1539.

Kemp, Richard

Y. Tang, A.M. Felix, L.N. Zakharov, A.L. Rheingold, and R.A. Kemp, Syntheses and Structural Characterization of a Monomeric Tin(II) Diamide and a Novel Chlorotin(II) Amide Trimer. *Inorg. Chem.*, 43, 7239 (2004).

Y. Tang, L.N. Zakharov, A.L. Rheingold, and R.A. Kemp, Insertion of Carbon Dioxide into Mg-N Bonds. Structural Characterization of a Previously Unknown η^2 Chelation Mode to Mg in Magnesium Carbamates. *Organometallics*, 23, 4788 (2004).

Kirk, Martin

- T.M. Anderson, W.A. Neiwert, M.L. Kirk, P.M.B. Piccoli, A.J. Schultz, T.F. Koetzle, D.G. Musaev, K. Morokuma, R. Cao, C.L. Hill, A Late-Transition Metal-Oxo Complex, O=Pt^{IV}(H₂O)L₂, L = [PW₉O₃₄]9-. *Science*, 2004, 306, 2074-2076.
- M.L. Kirk, M.E. Helton, R. L. McNaughton, The Electronic Structure and Spectroscopy of Metallo-Dithiolene Complexes. *Progress in Inorganic Chemisty*, 2004, 52, 111-212.
- C.M. Zaleski, E.C. Depperman, J.W. Kampf, M.L. Kirk, V.L. Pecoraro, Synthesis, Structure, and Magnetic Properties of a Large Lanthanide-Transition-Metal Single-Molecule Magnet. *Angew. Chem. Int. Ed.* 2004, 43, 3912-3914.
- R.L. McNaughton, M.E. Helton, M.M. Cosper, J. H. Enemark, M.L. Kirk, Nature of the Oxomolybdenum-Thiolate π-bond: Implications for Mo-S Bonding in Sulfite Oxidase and Xanthine Oxidase. *Inorg. Chem.*, 2004, 43, 1625-1637.
- M.L. Kirk, K. Peariso. Ground and Excited State Spectral Comparisons of First and Second Generation Models for Sulfite Oxidase. *Polyhedron*, 2004, 23 499-506.

Mariano, Patrick

- U.C. Yoon, H.C. Kwon, T.G. Hyung, K.H. Choi, S.W. Oh, S. Yang, Z. Zhao, P.S. Mariano, The Photochemistry of Polydonor-Substituted Phthalimides. Curtin-Hammet Type Control of Competing Reactions of Potentially Interconverting Zwitterionic Biradical Intermediates, *J. Amer. Chem. Soc.*, 2004, 126, 1110-1124.
- R. Wang, C. Chen, E. Duesler, P.S. Mariano, U.C. Yoon, β-Lactam Forming Photochemical Reactions of N-Trimethylsilylmethyl- and N-Tributyl-stannylmethyl Substituted α-Ketoamides, *J. Org. Chem.*, 2004, 69, 1215-1220.
- U.C. Yoon, P.S. Mariano, Mechanistic and Synthetic Aspects of SET-Promoted Photocyclization Reactions of Silicon Substituted Phthalimides, in *Molecular and Supramolecular Photochemistry*, ed. K. Schanze, V. Ramamurthy, Marcel Dekker, Volume 15, 2004.
- L. Song, E.N. Duesler, P.S. Mariano, Stereoselective Synthesis of Polyhydroxylated Indolizidines Based on Pyridinium Salt Photochemistry and Ring Rearrangement Metathesis, J. Org. Chem., 2004, 69, 7284-7293.

Tierney, David

A.K. Petros, S.E. Shaner, A.L. Costello, D.L. Tierney and B.R. Gibney, Comparison of Cysteine and Penicillamine Ligands in a Co(II) Maquette, *Inorganic Chemistry*, 2004, 43, 4793-4795.

Wang, Wei

W. Wang, H. Li, An Efficient Synthesis of the Intrinsic Fluorescent Peptide Labels, (S) and (R) (6,7-Dimethoxyl-4-coumaryl) alanines via Asymmetric Hydrogenations, *Tetrahedron Lett.*, 2004, 45, 8479-8481.

W. Wang, H. Li, J. Wang, L.-X. Liao, Direct, Organocatalytic alpha-Sulfenylation of Aldehydes and Ketones, *Tetrahedron Lett.* 2004, 45, 8229-8231.

W. Wang, J. Wang, H. Li, L.-X. Liao, A Novel Amine Sulfonamide Organocatalyst for Promoting Direct, Highly Enantioselective alpha-Aminoxylation Reactions of Aldehydes and Ketones, *Tetrahedron Lett.*, 2004, 45, 7235-7238.

W. Wang, J. Wang, H. Li, Catalysis of Highly Stereoselective Mannich-Type Reactions of Ketones with alpha-Imino Esters by a Pyrrolidine Sulfonamide. Synthesis of Unnatural alpha-Amino Acids, *Tetrahedron Lett.*, 2004, 45, 7243-7246.

W. Wang, J. Wang, H. Li, A Simple and Efficient L-Prolinamide-Catalyzed alpha-Selenenylation Reactions of Aldehydes, *Org. Lett.*, 2004, 6, 2817-2820.

Watt, Richard

Song YJ, Challa SR, Medforth CJ, Qiu Y, Watt RK, Pena D, Miller JE, van Swol F, Shelnutt JA. Synthesis of peptide-nanotube platinum-nanoparticle composites, *Chemical Communications*, 7 2004; no. 9, pp. 1044-1045

Communication and Journalism

Cramer, Janet

Cross purposes: Publishing practices and social involvements of 19th-century U. S. missionary women. *Journalism History*. 2004.

Foss, Karen A.

Theories of Human Communication, 8th ed. (with Stephen W. Littlejohn). Thomson Wadsworth. 2004.

Gandert, Miguel

Exhibition: *El Rio*, Smithsonian, Washington D.C., contributing photographer/design on NM component, 2004.

Exhibition: Art, Culture, Place: Visual Traditions of the Southwest, University Art Museum, University of New Mexico, Albuquerque, NM, 2004.

Exhibition: Nuevo Mexico Profundo, NMSU Art Museum, Las Cruces, NM, 2004.

Exhibition: *Photographers, Writers, and the American Scene*, High Museum, Atlanta, GA, 2004.

Exhibition: Only Skin Deep, Seattle Art Museum, Seattle, WA, 2004.

Gibson, Dirk C.

Clues from Killers: Serial Murder & Crime Scene Messages. Praeger. 2004.

"Serial Killer Public Relations Tatics." Public Relations Quarterly, 49:1. pp.11-18. 2004.

Hendry, Judith

"Decide, Announce, Defend: Turning NEPA into an Advocacy Tool," S. P. Depoe, J. W. Delicath, and M. A. Elsenbeer (Eds.). Communication and Public Participation in Environmental Decision Making. Albany, NY: SUNY Press. 2004.

Herrick, Dennis F.

Book Review: "Backstory: Inside the Business of News" *J&MC Quarterly*. Summer 2004. 81:2.

Book Review: "The Business of Media." J&MC Quarterly. Winter 2004. 81:4.

McDermott, V. M.

Using motivated sequence in persuasive speaking: The speech for charity. *The Communication Teacher*, 18, 13-14, 2004.

Oetzel, John

Oetzel, J.G., and Duran, B. (2004). Intimate partner violence in American Indian and/or Alaska Native communities: A social ecological framework of determinants and interventions. *The American Indian and Alaska Native Mental Health Research: A Journal of the National Center*, 11(3), 49-68.

Meares, M.M., Oetzel, J.G., Torres, A.B., Ginossar, T., and Derkacs, D. (2004). They make you feel like they have the right: A critical analysis of employee mistreatment and muted voices in the culturally diverse workplace. *Journal of Applied Communication Research*, 32, 4-27.

Schuetz, Janice

Janice Schuetz. "Victims Arguments," Argumentation in Practice. Eds. Frans van Eemeren and Peter Houtlosser. London: Walter Benjamin, pp. 199-213. 2004.

Janice Schuetz. "The Patriat Act: Argument Practice and Rhetorical Magic," *Argument and Social Practice*. Tokyo, Japan: Research Institute for Educational Development, pp. 213-2200. 2004.

Werder, Olaf

'Truth' and consequences: A review of three successful state tobacco control programs. C. Gardner, J. Biberman, and A. Alkhafaji (Eds.), *Business Research Yearbook: Global Business Perspectives*, Vol. 11, pp. 459-463. Saline, MI: McNaughton & Gunn. 2004.

"Niche" and specialty media markets (Chapter 9). M. Azarro (Ed.), *Strategic Media Decisions*, pp. 251-272. Chicago, IL: The Copy Workshop. 2004.

Werder, O. (2004). Book Review: *The Choice Modelling Approach to Environmental Valuation*, J. Bennett and R. Blamey (Eds.) in *Natural Resources Journal*, Vol. 44(3), pp. 921-924.

Werder, O. (2004). Book Review: Economic *Growth and Valuation of the Environment: A Debate*, E.C. van Ierland, J. van der Straaten, and H. Vollebergh (Eds.) in *Natural Resources Journal*, Vol. 44(1), pp. 332-335.

Woodall, W. Gil

Woodall, W.G. Kunitz, S.J., Zhao, H., Wheeler, D.R., Westerberg, V., and Davis, J. (2004). The prevention paradox, traffic safety, and driving while intoxicated treatment. *American Journal of Preventive Medicine*, 27(2), 106-111.

Earth and Planetary Sciences

Agee, Carl

"Experimental constraints on the origin of Martian meteorites and the composition of the Martian mantle," *Earth and Planetary Science Letters*, v. 224, pp. 415-429 (2004). Coauthor: D.S. Draper.

Asmerom, Yemane

Comment on Betancourt et al. "A test of annual resolution in stalagmites using tree rings," *Quaternary Research*, v. 61, pp. 119-121 (2004). Coauthor: V. Polyak.

"Prolonged wet period in the southwestern United States through the Younger Dryas," *Geology*, v. 32, pp. 5-8 (2004). Coauthors: V. Polyak and J. Rasmussen.

"Evidence for Prolonged KREEP Magmatism on the Moon from the Youngest Dated Lunar Igneous Rock," *Nature*, v. 432, pp. 209-211 (2004). Coauthors: L. Borg, C. Shearer and J. Papike.

"Tropical Response to the 8200 year cold event? Speleothem isotopes indicate a weakened early Holocene monsoon in Costa Rica," *Geology*, v. 32, pp. 957-960 (2004). Coauthors: M.S. Lachniet, S. Burns, W.P. Patterson, V. Polyak and G.O. Seltzer.

"A 1500 year El Niño/Southern Oscillation and rainfall history for the Isthmus of Panama from speleothem calcite," *Journal of Geophysical Research*, D, Atmospheres 109, D20117, doi: 10.1029/2004JD004694. Coauthors: M.S. Lachniet, S.J. Burns, D.R. Piperno, V.J. Polyak, C.M. Moy and K. Christenson.

"Stable isotope variations in modern tropical speleothems: Evaluating applications to paleoenvironmental reconstructions," *Geochimica et Cosmochimica Acta*, v. 68, pp. 4381-4393 (2004). Coauthors: J. Patrick, P.J. Mickler, J.L. Banner, L. Stern, R.L. Edwards and E. Ito.

Brearley, Adrian

"Morphology of [111]-elongated magnetite crystals in Martian meteorite ALH84001, magnetotactic bacterial strain MV-1, and thermal decomposition of hydrothermally precipitated Fe-rich carbonate: Evidence for inorganic-only formation of magnetite in the Martian meteorite," *American Mineralogist*, v. 89, pp. 681-695 (2004). Coauthors: D.C. Golden, D.W. Ming, R.V. Morris, H.V. Lauer, Jr., D.A. Bazylinsky, A. Treiman, M.E. Zolensky, C.S. Schwandt, G.E. Lofgren and G.A. McKay.

"Mineralogy and petrology of a mullite-bearing pseudotachylyte: constraints on the temperature of coseismic frictional fusion," *American Mineralogist*, v. 89, pp. 1486-1495 (2004). Coauthor: D.P. Moecher.

Campana, Michael E.

"Undergraduate program focuses on international issues in water resources," *Eos, Transactions, American Geophysical Union*, 85(9): 89 and 92 (2004). Coauthors: S.W. Tyler and S.E. Silliman.

Crossey, Laura J.

"3-D Fluid-flow simulation in a clastic reservoir analog: based on 3-D ground-penetrating radar and outcrop data from the Ferron Sandstone, Utah," (T.C. Chidsey, Jr., R.D. Adams and T.H. Morris, eds.), Regional to Wellbore Analog for Fluvial-Deltaic Reservoir Modeling: Ferron Sandstone of Utah, AAPG Studies in Geology, v. 50, pp. 405-425 (2004). Coauthors: C.B. Forster, S.H. Snelgrove, S.J. Lim, R.M. Corbeanu, G.A. McMechan, K. Soegaard, R.B. Szerbiak and K. Roche.

"Plio-Pleistocene incision history of the Rio Ojo Caliente, Northern Española basin and overview of the Rio Grande System in Northern New Mexico," *New Mexico Geological Society Guidebook*, 55th Field Conference, Geology of the Taos Region, pp. 121-134 (2004). Coauthors: D.L. Newell, D.J. Koning, K.E. Karlstrom and M. Dillon.

"Hot time in the crater: post-impact pore waters, hydrothermal Circulation, and biological activity in the early late Eocene Chesapeake bay impact crater," (L.E. Edwards, J.W. Horton, Jr., and G.S. Gohn, eds.), ICDP-USGS workshop on Deep drilling in the central crater of the Chesapeake Bay impact structure, Virginia, USA, USGS Open-File 2004-1016, pp. 63-64 (2004). Coauthor: D. Larsen.

Elrick, Maya

"Cycle and sequence stratigraphy of Middle Pennsylvanian (Desmoinsian) strata of the Lucero Basin, central New Mexico: in Carboniferous-Permian transition," (S.G. Lucas and Zeigler, K.E, eds.), New Mexico Museum of Natural History and Science Bulletin, No. 25, pp. 31-41 (2004). Coauthor: L.A. Scott.

Fawcett, Peter J.

"Late Pleistocene equilibrium-line altitudes, atmospheric circulation, and timing of mountain glacier advances in the interior NM United States," (in K.M. Haller and S.H. Wood, eds.), Geological Field Trips in Southern Idaho, Eastern Oregon, and northern Nevada: Boise, Department of Geosciences, Boise State University Press, pp. 61-66 (2004). Coauthors: G.A. Meyer and W.W. Locke.

Fischer, Tobias

"Volatiles in the sub-arc mantle: insights from volcanic and hydrothermal gas emissions," *J. Volcanology and Geothermal Research*, *State of the Arc (SOTA) special issue 1*, v. 40, pp. 205-216 (2004). Coauthor: B. Marty.

"SO₂ emissions to the atmosphere from active volcanoes in Guatemala and El Salvador, 1999-2002," *J. Volcanology and Geothermal Research*, 138 (3-4), pp. 345-364 (2004). Coauthors: L.A. Rodríguez, I.M. Watson, W.I. Rose, Y.K. Branan, G.J.S. Bluth, G. Chigna, O. Matías, D. Escobar and S.A. Carn.

"Nitrogen systematics and gas fluxes of subduction zones: Insights from Costa Rica arc volatiles," *Geochem. Geophys. Geosyst.*, 5, Q05J11, doi: 10.1029/2003GC000651 (2004). Coauthors: M.M. Zimmer, D.R. Hilton, G.E. Alvarado, Z.D., Sharp and J.A. Walker.

"Tracing magma sources in an arc-arc collision zone: Helium and carbon isotope and relative abundance systematics of the Sangihe Arc, Indonesia," *Geochem. Geophys. Geosyst*, 5,Q04J10, doi: 10.1029/2003GC000660. Coauthors: L.A. Jaffe, D.R. Hilton and U. Hartono, U.

Geissman, John W.

"Paleomagnetism of the Neoproterozoic Chuar Group, Grand Canyon Supergroup, Arizona: Implications for and Laurentia's Neoproterozoic APWP and Rodinia break-up," *Precambrian Research*, v. 129, pp. 71-92 (2004). Coauthors: A.B. Weil and R. Van der Voo.

"Transitional field clusters from uppermost Oligocene volcanic rocks in the central Walker Lane, Western Nevada," *Physics of the Earth and Planetary Interiors*, v. 141, pp. 207-238 (2004). Coauthors: M.S. Petronis and W.C. McIntosh.

"Paleomagnetism and rock magnetism of large sandstone pipes in the Middle Jurassic Summerville Formation near Mesita, west-central New Mexico," *Journal of Geophysical Research*, v. doi: 10.1029/2003JB002463, p. 16 (2004). Coauthor: S.S. Harlan.

"Geomagnetic flip," Physics World, v. 17, pp. 31-35 (2004).

"Magmatic flow paths and paleomagnetism of the Miocene Stoddard Mountain Laccolith, Iron Axis region, southwest Utah, USA," (in F. Martin-Hernandez, C.M. Luneburg, C. Aubourg and M. Jackson, eds.), *Magnetic Fabric: Methods and Applications: London, Geological Society of London Special Publication* 238, pp. 251-283 (2004). Coauthors: M.S. Petronis, D.B. Hacker, D.K. Holm and S.S. Harlan.

"Paleomagnetism in New Mexico," (in Mack, G.H. and Giles, K.A., eds.), *The Geology of New Mexico: A Geologic History*," Socorro, New Mexico Geological Society, pp. 457-474 (2004).

Gutzler, David

- "Application of NDVI data to characterize seasonal and interannual variability of vegetation communities in Central New Mexico, U.S.A.," *Journal of Arid Environments*, v. 57, pp. 249-272 (2004). Coauthors: J. Weiss, J.A. Coonrod and C.N. Dahm.
- "Seasonal and interannual relationships between vegetation and climate in Central New Mexico, U.S.A.," *Journal of Arid Environments*, v. 57, pp. 507-534 (2004). Coauthors: J. Weiss, J.A. Coonrod and C.N. Dahm.
- "Geomorphic response to seasonal variations in rainfall in Southwest North America," GSA Bulletin, v. 116, pp. 606-618 (2004). Coauthors: D. Etheredge and F.J. Pazzaglia.
- "An index of interannual precipitation variability in the core of the North American monsoon region," *Journal of Climate*, v. 17, pp. 4473-4480 (2004).
- "New Mexico's Changing Climate," *Earth Matters*, v. 4, NM Bureau of Geology and Mineral Resources (L.G. Price, ed.), p.1 ff. (2004).

Jones, Rhian

"Oxygen isotope heterogeneity in chondrules from the Mokoia CV3 carbonaceous chondrite," *Geochimica et Cosmochimica Acta*, v. 68, pp. 3423-3438 (2004). Coauthors: L.A. Leshin, Y. Guan, Z.D. Sharp, T. Durakiewicz and A.J. Schilk.

"The Meteoritical Bulletin," *Meteoritics and Planetary Science*, v. 39, pp. A215-A272, No. 88 (2004). Coauthors: S.S. Russell, L. Folco, M. Grady, M.E. Zolensky, K. Righter, J. Zipfel and J.N. Grossman.

Karlstrom, Karl E.

"Plio-Pleistocene incision history of the Rio Ojo Caliente, northern Espanola Basin, and an overview of the Rio Grande system in northern New Mexico," *New Mexico Geological Society, Guidebook 55, Geology of the Taos Region*, pp. 121-134 (2004). Coauthors: D.L. Newell, D. Koning, L.J. Crossey and M. Dillon.

"Laramide cooling histories of the Grand Canyon, Arizona, and the Front Range, Colorado, determined from apatite fission-track thermochronology," (in R.A. Young and E.E. Spamer eds.), *The Colorado River: Origin and evolution, Grand Canyon, Arizona, Grand Canyon Association Monograph*, v. 12 (2004). Coauthors: S.A. Kelley and C.E. Chapin.

"Relating differential incision of Grand Canyon to slip along the Hurricane-Toroweap fault system," (in R.A. Young and E.E. Spamer, eds.), *The Colorado River: Origin and evolution, Grand Canyon, Arizona, Grand Canyon Association Monograph*, v. 12 (2004). Coauthor: J. Pederson.

"Proterozoic tectonic evolution of the New Mexico region," (in G.H. Mack and K.A. Giles, eds.), *The Geology of New Mexico: A Geologic History, New Mexico Geological Society Special Publication*, v. 11, pp. 1-34 (2004). Coauthors: J.M. Amato, M.L., Williams, M. Heizler, C.A. Shaw, A.S. Read and P. Bauer.

"The Yavapai-Mazatzal boundary: A long-lived tectonic element in the lithosphere of southwestern North America," *Geological Society of America Bulletin*, v. 116, pp. 1137-1142 (2004). Coauthors: M.B. Magnani, K.M. Miller and A. Levander.

Kues, Barry

"A Late Permian Chinese gastropod species, possibly larval, in the Middle Pennsylvanian of New Mexico," *Journal of Paleontology*, v. 78, pp. 420-423 (2004). Coauthors: R.L. Batten, D.H. Erwin and P. Hua-Zhang.

"Middle Cretaceous stratigraphy, Southern Western Interior seaway, New Mexico and Oklahoma," *The Mountain Geologist*, v. 41, pp. 33-61 (2004). Coauthors: R.W. Scott, J.M. Holbrook, F.E. Oboh-Ikuenobe, M.J. Evetts and D.G. Benson.

"Marine invertebrate assemblages from the Late Pennsylvanian (Virgilian) Holder Formation, Dry Canyon, Sacramento Mountains, south-central New Mexico," *New Mexico Geology*, v. 26, pp. 43-53 (2004).

"Late Pennsylvanian (Virgilian) fusulinaceans from the upper Atrasado and lower Red Tanks Formations, Carrizo Arroyo, Sierra Lucero, central New Mexico," *New Mexico Museum of Natural History and Science, Bulletin* 25, pp. 127-136 (2004). Coauthor: G.P. Wahlman.

"Invertebrate fossils from the type sections of the Gray Mesa and Atrasado Formations (Middle to Upper Pennsylvanian), Lucero uplift, central New Mexico," *New Mexico Museum of Natural History and Science, Bulletin* 25, pp. 137-142 (2004).

"Stratigraphy and brachiopod and molluscan paleontology of the Red Tanks Formation (Madera Group) near the Pennsylvanian-Permian boundary, Lucero uplift, west-central New Mexico," New Mexico Museum of Natural History and Science, Bulletin 25, pp. 143-209 (2004).

"Devonian of New Mexico," The Geology of New Mexico (G.H. Mack and K.A. Giles, eds.), *New Mexico Geological Society, Special Publication*, v. 11, pp. 59-75 (2004).

"The late Paleozoic Ancestral Rocky Mountains System in New Mexico," The Geology of New Mexico (G.H. Mack and K.A. Giles, eds.), *New Mexico Geological Society, Special Publication 11*, pp. 95-136 (2004). Coauthor: K.A. Giles.

"Tectonically induced clastic-carbonate depositional sequences of the Pennsylvanian-Permian transition in the Rowe-Mora Basin, northern New Mexico," *Geology of the Taos Region* (B.S. Brister et al., eds.), *New Mexico Geological Society, Guidebook 55*, pp. 314-325 (2004). Coauthors: K. Krainer and S.G. Lucas.

"Pennsylvanian trilobites from the Sangre de Cristo and Jemez Mountains, north-central New Mexico," *Geology of the Taos Region* (B.S. Brister et al., eds.), *New Mexico Geological Society*, *Guidebook* 55, pp. 326-334 (2004).

"Third-day road log from Talpa to the Rio Grande del Rancho Valley, U.S. Hill, Vadito and Penasco," *Geology of the Taos Region* (B.S. Brister et al., eds.), *New Mexico Geological Society*, *Guidebook 55*, pp. 77-97 (2004). Coauthors: P.W. Bauer, A.S. Read, K.I. Kelson, S.B. Aby, W.R. Muehlberger, R.A. Thompson, G.S. Austin and G.A. Smith.

"Paleontology of the upper Flechado Formation near Talpa, New Mexico," Geology of the Taos Region (B.S. Brister et al., eds.), *New Mexico Geological Society, Guidebook 55*, pp. 79-81 (2004).

"In memory of J. Paul Fitzsimmons, 1915-2003," New Mexico Geology, v. 26, pp. 56-57 (2004).

"Taos area stratigraphy and correlations for Proterozoic and Paleozoic," Geology of the Taos Region (B.S. Brister et al., eds.), *New Mexico Geological Society, Guidebook 55*, p. 440 (2004). Coauthors: P.W. Bauer, K.E. Karlstrom, J.P. Dawson, M.L. Williams, A.S. Read and D. Ulmer-Scholle.

Meyer, Grant

"Fire-induced erosion and millennial-scale climate change in northern ponderosa pine forests," *Nature*, v. 432, pp. 87-90 (2004). Coauthors: J.L. Pierce and A.J.T. Jull.

"Yellowstone fires and the physical landscape," (Chapter 3 in Wallace, L.L., ed.), *After The Fires: The Ecology of Change in Yellowstone National Park*: New Haven, Yale University Press, pp. 29-51 (2004).

"Late-Pleistocene equilibrium-line altitudes, atmospheric circulation, and timing of mountain glacier advances in the interior northwestern United States," (in K. Haller and S.H. Wood, eds.), Geological Field Trips in Southern Idaho, Eastern Oregon, and Northern Nevada, Geological Society of America Field Guide, pp. 61-66 (2004). Coauthors: P.F. Fawcett and W.W. Locke.

"Fire and ice in central Idaho: modern and Holocene fires, debris flows, and climate in the Payette River Basin, and Quaternary and glacial geology in the Sawtooth Mountains," (in K. Haller and S.H. Wood, eds.), Geological Field Trips in Southern Idaho, Eastern Oregon, and Northern Nevada: Geological Society of America Field Guide, pp. 37-60 (2004). Coauthors: J.L. Pierce, G.D. Thackray, S.H. Wood, K. Lundeen and E. Rothwell.

Papike, James

"Planetary Sampling Strategies: Lessons learned from the analysis of Small Extraterrestrial Samples," CP699, *Proceedings of Space Technology and Applications International Forum–STAIF 2004*, pp. 925-930 (2004). Coauthors: C.K. Shearer and L. Borg.

"Plagioclase from planetary basalts: Chemical signatures that reflect planetary volatile budgets, oxygen fugacity, and styles of igneous differentiation," *American Mineralogist*, v. 89, pp. 1101-1109 (2004). Coauthors: J.M. Karner and C.K. Shearer.

"Comparative Planetary Mineralogy: V/(Cr + Al) systematics in chromite as an indicator of relative oxygen fugacity," *American Mineralogist*, v. 89, pp. 1557-1560 (2004). Coauthors: J.M. Karner and C.K. Shearer.

"Prolonged KREEP Magmatism on the Moon indicated by the Youngest Dated Lunar Igneous Rock," *Nature*, v. 432, pp. 209-211 (2004). Coauthors: L.E. Borg, C.K. Shearer and Y. Asmerom.

"Low Abundances of Highly siderophile Elements in the Lunar Mantle: Evidence for Prolonged Late Accretion," *Earth and Planetary Science Letters*, v. 224, pp. 399-413 (2004). Coauthors: R.J. Walker, M.F. Horan and C.K. Shearer.

Rietmeijer, Frans J.M.

"Dynamic Pyrometamorphism during atmospheric entry of large (~10 micron) pyrrhotite fragments from cluster IDPs," *Meteoritics and Planetary Science* 39(11), pp. 1869-1887 (2004).

"Mesospheric metal abundances and meteoric dust: Analyses of surviving meteoroids," *Advances in Space Research* 33(9), pp. 1475-1480 (2004).

"Microanalyses of interplanetary dust particles and micrometeorites: Implications for sample return missions to undifferentiated protoplanets," (in Scientific Exploration, Planetary Protection, Active Experiments and Dusty Plasmas, J.-P. Lebreton, C.B. Agee, P.D. Stabekis, P. Bernhardt and G.I. Ganguli eds.), *Spec. Issue Adv. Space Res.* 34(11), pp. 2286-2291 (2004).

"Grain sizes of ejected comet dust: Condensed dust analogs, interplanetary dust particles and meteors," (in The New ROSETTA Targets-Observation, simulations and instrument performances-L. Colangeli, E. Mazzotta Epifani, P. Palumbo, eds.), *Astrophys. Space Sci. Library*, Kluwer Academic Publishers, pp. 97-110 (2004). Coauthor: J.A. Nuth III.

"Laboratory hydration of condensed magnesiosilica smokes with implications for hydrated silicates in IDPs and comets," *Meteoritics and Planetary Science*, v. 39, No. 5, pp. 723-746 (2004). Coauthors: J.A. Nuth III and R.N. Nelson.

"C60 and giant fullerenes in soot condensed in vapors with variable C/H2 ratio," *Fullerenes*, *Nanotubes and Carbon Nanostructures* 12(3), pp. 659-680 (2004). Coauthors: A. Rotundi and D. Heymann.

Roy, Mousumi

"Mid-Tertiary magmatism and its relation to rock cooling, exhumation, and extension at the eastern margin of the Colorado Plateau," *Geology*, v. 32, no. 10, pp. 925-928 (2004). Coauthors: S. Kelley, F. Pazzaglia, S. Cather and M. House.

"Gravity models of the Colorado Mineral Belt et al.," (K.E. Karlstrom and G.R. Keller, eds.), The Rocky Mountain Region–An Evolving Lithosphere, Tectonics, Geochemistry and Geophysics, American Geophysical Union Geophysical Monograph, v. 154 (2004). Coauthors: A. McCoy, L. Trevino and R. Keller.

Scuderi, Louis

"Geographic Information Science and Mountain Geomorphology," EOS Transactions (2004).

Selverstone, Jane

"Interactions between serpentinite devolatilization, metasomatism and strike-slip strain localization during deep-crustal shearing in the Eastern Alps," *Journal of Metamorphic Geology* (2004). Coauthors: J.D. Barnes and Z.D. Sharp.

"Ophiolites in Earth History," EOS Transactions (2004).

Smith, Gary A.

"Middle to late Cenozoic development of the Rio Grande rift and adjacent regions in northern New Mexico," Geology of New Mexico, (G. Mack, K. Giles and V. Lueth, eds.), Special Publication, New Mexico Geological Society, pp. 331-358 (2004).

"Relating small-scale permeability heterogeneity to lithofacies distribution," Aquifer characterization, (J. Bridge and D. Hyndman, eds.), SEPM (Society for Sedimentary Geology) Special Publication 80. pp. 55-66 (2004). Coauthors: M.N. Gaud and S.A. McKenna.

"Sensitivity of groundwater flow patterns to parameterization of object-based models of fluvial aquifers," Aquifer characterization (J. Bridge and D. Hyndman, eds.), SEPM (Society for Sedimentary Geology) Special Publication 80, pp. 29-40 (2004). Coauthor: S.A. McKenna.

Sharp, Zachary

"Water soluble chlorides in massive seafloor serpentinites: a source of chloride in subduction zones," *Earth and Planetary Science Letters*, v. 226, pp. 243-254 (2004). Coauthor: J.D. Barnes.

"Interaction between serpentinites devolatilization, measomatism, and strike-slip strain localization during deep-crustal shearing in the Eastern Alps," *Journal of Metamorphic Geology*, v. 22, pp. 283-300 (2004). Coauthors: J.D. Barnes and J. Selverstone.

"Volatile and N-isotope chemistry of the Molucca Sea collision zone: tracing source components along the Sangihe arc, Indonesia," *Geochemistry, Geophysics, Geosystems 6*, Q03J14, doi: 10.1029/2004GC000825 (2004). Coauthors: L.E. Clor, T.P. Fischer, D.R. Hilton and U. Hartono.

"Oxygen isotope heterogeneity in chondrules from the Mokoia CV3 carbonaceous chondrite," *Geochimica et Cosmochimica Acta*, v. 16, pp. 3423-3438 (2004). Coauthors: R.H. Jones, L.A. Leshin, Y. Guan, T. Durakiewicz and A.J. Schilk.

"Stable isotope and chemical systematics of pseudotachylyte and wall rock, Homestake shear zone, Colorado, USA, Meteoric fluid or rock-buffered conditions during coseismic fusion?" *Journal of Geophysical Research*, v. 109, No. B12, B12206 10.1029/2004JB003045 (2004). Coauthor: D.P. Moecher.

"Nitrogen systematics and gas fluxes of subduction zones: Insights from Costa Rica arc volatiles," *Geochemistry, Geophysics, Geosystems 5*, Q05J11, doi: 10.1029/2003GC000651 (2004). Coauthor: M.M. Zimmer, T.P. Fischer, D.R. Hilton, G.E. Alvarado and J.A. Walker.

Economics

Berrens, Robert

Little, J., and R. Berrens. 2004. "Explaining Disparities Between Actual and Hypothetical Stated Values: Further Investigation Using Meta-Analysis." *Economics Bulletin*, 3(6):1-13.

List, J., R. Berrens, A. Bohara, and J. Kerkvliet. 2004. "Examining the Role of Social Isolation on Stated Preferences." *American Economic Review*, 94(3):741-752.

Starbuck, M., S. Alexander, R. Berrens and A. Bohara. 2004. "Valuing Special Forest Products Harvesting: A Two-Step Travel Cost Recreation Demand Analysis." *Journal of Forest Economics*, 10:37-53.

Binder, Melissa

Binder, Melissa and Philip Ganderton. 2004. "Chapter 5: The New Mexico Lottery Scholarship: Does it Help Minority and Low-Income Students?" Donald Heller and Heller and Patricia Marin, eds. *State Merit Scholarship Programs and Racial Inequality*, Cambridge: Harvard University Civil Rights Project, 101-122.

Bohara, Alok

List, J., R.P. Berrens, and A. K. Bohara, "Examining the Role of Social Isolation on Stated Preferences," *American Economic Review*, Vol. 94, No. 3, June 2004, pp. 741–752.

Starbuck, M., S. Alaxander, R. P. Berrens, and A. K. Bohara, "Valuing Special Forest Products: Huckleberry and Mushroom Picking on the Gifford Pinchot National Forest," *Journal of Forest Economics*, 10, 2004, pp. 37-53.

Bohara, Alok K. and Kishore Gawande, "Interest and Ideology In the 1988 Omnibus Trade Act: A Bayesian Multivariate Probit Analysis," Forthcoming in Devashis Mitra and Arvind Panagaria (eds.): *Political Economy of Trade, Aid and Foreign Investment Policies*, New York: Elsevier, 2004, pp. 113–157.

Brookshire, David

"Market Prices for Water in the Semi Arid West," *Water Resources Research*, Vol. 40, No. 9, 2004, (with B. Colby, M. Ewers, and P. Ganderton).

"Multi-resolution Integrated Modeling for Basin-Scale Water Resources Management and Policy Analysis, Hydrology: Science & Practice for the 21st Century," Volume II, eds. B. Webb et al, *British Hydrological Society*, 2004, (with H. V. Gupta, E. Springer and T. Wagener).

"A Decision Support System for Demand Management In the Rio Conchos Basin, Mexico, Hydrology: Science & Practice for the 21st Century," Volume II, eds. B. Webb et al, *British Hydrological Society*, 2004, (with S. Stewart, J. Valdes, J. Gastelum, J. Aparcio, J. Hidalgo and I. Velazco).

"Urban Consumer Water Demand: A Field/Experimental Investigation, Hydrology: Science & Practice for the 21st Century," Volume II, eds. B. Webb et al, *British Hydrological Society*, 2004, (with K. Krause, J. Chermak, S. Burness).

Burness, Stuart

"Western Municipal Water Conservation Policy: The Case of Disaggregated Demand," Water Resources Research. J. Chermak and K. Krause, co-authors. December 2004.

Chermak, Janie

"Urban Consumer Water Demand: A Field/Experimental Investigation," with K. Krause, D.S. Brookshire, and H.S. Burness, *Hydrology: Science & Practice for the 21st Century*, Volume II, eds. B. Webb et al, *British Hydrological Society*, 2004.

Coes, Donald

"The Impact of Politics on Fiscal Behavior: The Case of Brasil," with Werner Baer, *Economia Aplicada*, Dec. 2004.

Ganderton, Philip

Brookshire, D.S., and P.T. Ganderton, "Introduction to special section on Water Markets and Banking: Institutional Evolution and Empirical Perspectives," *Water Resources Research*, 40, W09S01, doi: 10.1029/2004WR003394 (2004).

Brookshire, D. S., B. Colby, M. Ewers, P.T. Ganderton "Market prices for water in the semi-arid West of the United States," *Water Resources Research*, 40 W09S04, doi: 10.1029/2003WR002846 (2004).

David S. Brookshire, Philip Ganderton, Mary Ewers, Bonnie Colby and Steven Stewart "Water Markets in the Southwest," *Southwest Hydrology*, March/April 2004.

Melissa Binder and Philip T. Ganderton "The New Mexico Lottery Scholarship: Does it Help Minority and Low-Income Students?" Heller, D. E. and Marin, P. (Eds) *State Merit Scholarship Programs and Racial Inequality The Civil Rights Project*, Harvard University, October 2004.

Grimsrud, Kristine

"Policies and Attitudes to Genetically Modified Foods in Norway." *EuroChoices*, Vol. 3, No.3 2004. Kristine. M. Grimsrud, Jill. J. McCluskey, and Maria. L. Loureiro.

"Comparing the Consumer Responses Toward Genetically Modified Foods in Japan and Norway," *Consumer Acceptance of Genetically Modified Foods*, V. Santaniello and R. E. Evenson, Eds. CABI Publishing, June 2004, Wallingford, U.K. McCluskey, Jill J., Kristine M. Grimsrud, and Thomas I. Wahl.

Sauer, Christine

"Dollarization in Latin America: Seigniorage Costs and Policy Implications," Quarterly Review of Economics and Finance, Christine Sauer and Carsten Lange. June 2004.

English

Alemán, Jesse

"The Ethnic in the Canon; Or, On Finding Santa Anna's Wooden Leg." *MELUS: Journal of the Society for the Study of Multi-Ethnic Literature of the United States*, 29, 3-4 (2004), 165-82.

"Crossing the Mason-Dixon Line in Drag: The Narrative of Loreta Janeta Velazquez, Cuban Woman and Confederate Soldier." *Look Away! The U.S. South in New World Studies*. Ed. Jon Smith and Debbie Cohn. Durham: Duke University Press, 2004, 110-29.

"Assimilation and the Decapitated Body Politic in *The Life and Adventures of Joaquín Murieta.*" Arizona Quarterly: A Journal of American Literature, Culture, and Theory, 60.1, (2004): 71-98.

"Thank God, Lolita is Away from Those Horrid Savages': The Politics of Whiteness in Who Would Have Thought It?" María Amparo Ruiz de Burton: Critical and Pedagogical Perspectives. Ed. Amelia María de la Luz Montes and Anne E. Goldman. Lincoln: University of Nebraska Press, 2004, 95-111.

Archuleta, Elizabeth

Michael A. Elliott, The Culture Concept: Writing and Difference in the Age of Realism. American Literary Realism 36.2 (Winter, 2004): 187-189.

Writer/Consultant, "A Celebration of Southwest Storytellers, Part 3: Demetria Martinez, Rina Swentzell, and John Nichols," NPR Public Radio Program (Sponsored by Friends of Jemez Valley Library), 2004.

Beene, Lynne

"Jean Paul Sartre: Cultural Theorist," in *DLB: Twentieth-Century European Cultural Theorists*, Vol. 296, Paul Hansom, ed. (New York: Thompson/Gale, 2004): 314-334.

Handbook of Technical Writing, Turpin and Eagerton, Review for Prentice Hall Publishers, October 2004.

Chavez, Lisa D.

"Baring the Bones: A Meditation on Imagery." *Mooring Against the Tide: Writing Fiction and Poetry.* Knorr and Schell, eds. New York: Prentice Hall, 2004.

"At a Wedding in Mexico City." *Mooring Against the Tide: Writing Fiction and Poetry.* New York: Prentice Hall, 2004.

"The Dismantling of Parts." Prairie Schooner. Spring 2004.

Nonfiction Editor, Blue Mesa Review

Damico, Helen

"Reclaiming Anglo-Saxon Scholars." In *Old English Scholarship and Bibliography: Essays in Honor of Carl T. Berkhout*. Edited by Jonathan Wilcox. *Subsidia* Vol. 32. Kalamazoo: Medieval Institute Publications, 2004, pp. 23-39.

Dunaway, David

"Confessions of a Summer Lecturer," Roskilde University News, August, 2004.

"Foreword," Barbara Kingsolver, Linda Wagner-Martin, New York: Chelsea House, 2004, ix-xiv.

"Route 66, John Steinbeck, and American Literature: An Interview with Louis Owens," *Southwestern American Literature*, Spring 2004, 17-29.

"Aldous Huxley," Dictionary of National Biography, Oxford Univ. Press, 2004.

"Christiania, Denmark." San Francisco Chronicle, November 14, 2004.

"Christiania, Denmark." National Public Radio: Morning Edition, November 7, 2004.

Gaines, Barry

"Vortex presents a controlled 'Sons," Albuquerque Journal (January 13, 2004), B4.

"Delancey' has some potholes," Albuquerque Journal (January 18, 2004), F4.

"Bandit' explores racial attitudes," Albuquerque Journal (January 20, 2004), B4.

"Acco Theater's plays are cause for hope," Albuquerque Journal (January 25, 2004), F5.

"ALT's 'Town' powerful in its simplicity," Albuquerque Journal (January 27, 2004), B4.

"Streetcar' better as a local express," Albuquerque Journal (February 1, 2004), F5.

- "One-woman show journey through heart," *Albuquerque Journal* (February 2, 2004), C4.
- "Allen is master of mischief, mimicry, mayhem," *Albuquerque Journal* (February 8, 2004), F5.
- "'50s 'Shrew' shortchanges Shakespeare," *Albuquerque Journal* (February 15, 2004), F6. "Spitfire Grill' warm and intimate," *Albuquerque Journal* (February 15, 2004), F6.
- "El Jardín' clever, deceptively simple," Albuquerque Journal (February 17, 2004), B4.
- "Comic 'Sleep With Me!' is compelling," Albuquerque Journal (February 22, 2004), F5.
- "'Metamorphoses' modernizes myth," Albuquerque Journal (February 29, 2004), F4.
- "'Over the River' cast puts on a joyous show," *Albuquerque Journal* (February 29, 2004), F4.
- "One-nun show is a gentle satire," Albuquerque Journal (March 7, 2004), F5.
- "Tricklock's myth-making 'Splinters' shines brightly at times," *Albuquerque Journal* (March 9, 2004), B4.
- "Powerful performances carry 'Othello," Albuquerque Journal (March 28, 2004), F5.
- "Vortex actors throw themselves into lunacy of 'Madness,'" *Albuquerque Journal* (March 30, 2004), B4.
- "'Woolf's' Viciousness Lives On," Albuquerque Journal (April 23, 2004), B5.
- "Some gusto found in UNM's 'Ivanov," Albuquerque Journal (April 25, 2004), F6.
- "'Molly Sweeney' more bitter than sweet," Albuquerque Journal (April 25, 2004), F6.
- "'Macbett' takes absurdity to heights," Albuquerque Journal (April 27, 2004), B4.
- "ALT rings in a fine 'Barbecü,'" Albuquerque Journal (May 11, 2004), B4.
- "Talented actors deserve better than 'Moon,'" Albuquerque Journal (June 15, 2004), B6.
- "Excellent Vortex cast fills the 'Cuckoo's Nest," Albuquerque Journal (June 19, 2004), B8.

- "Actor who is Buddy Holly helps make ALT show great fun," *Albuquerque Journal* (June 20, 2004), F2.
- "Adobe play applies physics to humanity," Albuquerque Journal (July 13, 2004), B4.
- "Vortex's 'Wait Until Dark,' isn't worth the wait," *Albuquerque Journal* (July 18, 2004), B7.
- "'Menagerie' lacks a light touch," Albuquerque Journal (July 25, 2004), F3.
- "Characters of 'Milk' flow in, out with ease," Albuquerque Journal (July 25, 2004), F3.
- "Chekhov's plays blend humor, sorrow," Albuquerque Journal (August 8, 2004), F4.
- "Lobby Hero' an unsettling 4-person drama," *Albuquerque Journal* (August 17, 2004), B4.
- "Fearless play lacks artistry," Albuquerque Journal (September 9, 2004), B8.
- "Fine performances in 'King John,'" Albuquerque Journal (September 13, 2004), C6.
- "'Patriots' is sharp political satire," Albuquerque Journal (September 14, 2004), B6.
- "'Twisted Night' funny, uncomfortable," *Albuquerque Journal* (September 14, 2004), B6.
- "'The Women' dispenses equal parts humor, wisdom," *Albuquerque Journal* (September 19, 2004), F4.
- "'Zoot Suit' dressed in power, passion," *Albuquerque Journal* (October 8, 2004), Venue 13.
- "'Dracula' a piercingly funny production," *Albuquerque Journal* (October 11, 2004), C3.
- "Hardships of working women explored," Albuquerque Journal (October 12, 2004), B6.
- "Little Theatre's 'Dracula,' is attractive but long," *Albuquerque Journal* (October 24, 2004), F5.
- "Vortex's 'Dracula Goes to College' hits the skits," *Albuquerque Journal* (October 26, 2004), B6.
- "Comedy generates 'Epic'-sized laughs," Albuquerque Journal (October 26, 2004), B6.

- "'1984' adaptation powerful despite technical shortcomings," *Albuquerque Journal* (November 2, 2004), B6.
- "Liaisons tangle in 'Admissions," Albuquerque Journal (November 9, 2004), B6.
- "Dionysus' pours out energy," Albuquerque Journal (November 9, 2004), B6.
- "Nudity, frank talk cloak old-fashioned problem play," *Albuquerque Journal* (November 15, 2004), C3.
- "7 original plays are just that," Albuquerque Journal (November 15, 2004), C3.
- "Words Afire works show true promise," *Albuquerque Journal* (November 23, 2004), B6.
- "'Allergist's Wife' will make you laugh," Albuquerque Journal (December 5, 2004), F2.
- "Music makes this 'Garden' thrive," Albuquerque Journal (December 7, 2004), B6.
- "Raunchy 'Reindeer' well acted," Albuquerque Journal (December 12, 2004), F4.
- "Dylan Thomas 'Christmas' enhances season," *Albuquerque Journal* (December 17, 2004), Venue 33.
- "Stage scene Thriving in Albuquerque," Albuquerque Journal (December 26, 2004), F1.

Review: Stanley Wells, Shakespeare For All Time in Shakespeare Quarterly 55.3 (Fall 2004): 325-27

Jussawalla, Feroza

- "Postcolonial Novels and Theories," in *A Companion to the British and Irish Novel:* 1945-2000, ed. Brian Shaffer, London, Blackwells, 2004, pp. 96-112.
- "Farrukh Dhondy," and "Cracking India/Earth," in *South Asian Literature in English*, ed. Jaina Sanga, Westport: Gerenwood Press, 2004 pp. 80-86 and 61-64.

Hall Kells, Michelle

Latino/a Discourses: On Language, Identity, and Literacy Education. Co-editor with Valerie Balester and Victor Villanueva. Heinemann/Boynton-Cook. March 2004. (147 pp.)

"Understanding the Rhetorical Value of *Tejano* Codeswitching" for *Latino/a Discourses: On Language, Identity, and Literacy Education.* Heinemann/Boynton-Cook, 2004. 24-39.

"Discourse and 'Cultural Bumping'." Introduction. Latino/a Discourses: On Language, Identity, and Literacy Education. With Valerie Balester and Victor Villanueva. Heinemann/Boynton-Cook, 2004. 1-6.

Obermeier, Anita

Frantzen, Allen J. *The Bloody Good: Chivalry, Sacrifice, and the Great War.* U. of Chicago P, 2004. *The Medieval Review,* May 2004.

Benson, Robert G. and Susan J. Ridward, eds. *New Readings of Chaucer's Poetry*. D.S. Brewer, 2003. *The Medieval Review*, March 2004.

Paine, Charles

"Changing the Center of Gravity: Collaborative Writing Program Administration in Large Universities." *Technical Communication Quarterly* 13:2 (2004). 199-210.

Romano, Susan

"Tlaltelolco: The Grammatical-Rhetorical *Indios* of Colonial Mexico." *College English* 66.3 (January 2004).257-77.

Co-editor of Peitho: Newsletter of the Coalition of Women Scholars in the History of Rhetoric and Composition, 2004.

Sanders, Scott

With co-author David A. Lind, *The Physics of Skiing*, 2nd edition, Revised. NY: Springer, 2004.

Scharnhorst, Gary

Editor, with intro and notes, *The Wayward Bus* by John Steinbeck (New York: Penguin, 2004). 332 pp.

"The Resurrection of the Author: Why Biography Still Matters," in *Lives Out of Letters: Essays in American Literary Biography and Documentation*, ed. Robert Habich (Madison and Teaneck: Fairleigh Dickinson University Press, 2004), pp. 236-52.

"Mark Twain and Fishing," Mark Twain Annual (2004), 31-36.

- "Byron and Bret Harte," Byron Journal, 32, i (2004), 45-50.
- "It has served the truth without fear and without favor': Kate Field and Kate Field's Washington," in Blue Pencils and Hidden Hands: Women Editing Periodicals, 1830-1910, ed. Sharon Harris (Boston: Northeastern University Press, 2004), pp. 248-63.
- "Bret Harte and the Literary Construction of the American West," in *The Blackwell Companion to the Regional Literatures of the United States*, ed. Charles L. Crow (London: Blackwell, 2004), 479-95.
- "Kate Field's 'An Evening with Dickens': A Reconstructed Lecture," *Dickens Quarterly*, 21 (June 2004), 71-89.
- "Moodie, My Dad, Allan Ginsberg, and Me," *Midwest Quarterly*, 45 (Summer 2004), 369-80.
- "Mark Twain's 'How to Remove Warts and Tattoo Marks' Authenticated," ANQ, 17 (Summer 2004), 41-43.
- "A Note on Gilman's 'M. D.,'" Charlotte Perkins Gilman Society Newsletter, 9 (Spring 2004), 5.

Review of Tough Times in Rough Places: Personal Narratives of Adventure, Death, and Survival on the Western Frontier. Ed. Neil Carmony and David E. Brown, New Mexico Historical Review, 79 (Summer 2004), 411-12.

Thiel, Diane

Thiel, Diane: *The White Horse: A Colombian Journey*. Etruscan Press, Silver Spring, MD, 269 pp., June 2004.

Thiel, Diane: Resistance Fantasies, Story Line Press, Ashland, Oregon, 87 pp., June 2004.

- "Memento Mori in Middle School," Twentieth Century American Poetry, McGraw Hill, New York, New York, 1040-1041, 2004.
- "Legacy," "Swallow," "Silences," "Thera," "Circumstance," "Daphne (A Photograph, 1930)," Kindled Terraces: American Poets in Greece, Truman State University Press, 2004.
- "The Minefield," Revenge and Forgiveness, Henry Holt, 2004.
- "Baba Yaga," American Literary Review, p. 45, 2004.

- "Black Sea Acrostic," "Iphigeneia (Sapphics from Tauris)," "Elegaic Labors," *Notre Dame Review*, pp. 50-53, Summer 2004.
- "Resistance Fantasies," America, Vol. 191, No. 4, p. 20, 2004.
- "Blue Heron," *The Midwest Quarterly*, p. 397, Summer 2004.
- "The Fitting," *The Dark Horse* (Scotland), p. 6, Spring 2004.
- "Context," "Growing Up German in Miami Beach," Artful Dodge, pp. 100-101, 2004.
- "Continuum," "Punta Perlas," Kalliope, pp. 40-41, 2004.
- "Nursery Shellgame," National Poetry Review, pp. 12-13, 2004.
- "The Lady and the Tiger," Brown Alumni Magazine, pp. 45, 87, July/August 2004.
- "Through La Zona," Notre Dame Review, pp. 103-116, Summer 2004.
- "Between Two Continents," Artful Dodge, pp. 102-107, Summer 2004.
- "Waterfall," Connecticut Review, pp. 150-153, Spring, 2004.
- "Forest Tides," Louisiana Literature, pp. 102-108, Spring 2004.
- "Power Outage," "Elegaic Labors," Web del Sol, 2004.
- "Nursery Shellgame," selected for Verse Daily, 2004.
- "Quilt," Concert, Faculty Artist Recital Series, San Francisco Conservatory of Music, San Francisco, January 24, 2004.
- "Interview with Sherman Alexie," Crossroads, The Poetry Society of America Journal, pp. 4-7, Spring 2004.

Torres, Hector

- "Spirit Matters: An Interview with Demetria Martinez." *Blue Mesa Review*. Issue Sixteen (2004): 104-111.
- "A Conversation with Lourdes Portillo/The Camera Under Erasure." *Film and History*. Vol. 34.1 (2004): 66-72.

Review of Rúben Cobos' A Dictionary of New Mexican and Southern Spanish. Vol. 15, no 8 Hispanic Outlook: An Anniversary Edition (2005): 64.

Sharon Oard Warner

"Sweetness," Prairie Schooner, University of Nebraska-Lincoln. Summer, 2004.

"The Fear of Writing Sex," *The Writer*, Kalmbach Publishing: Waukesha, WI. Feb. 2004.

"What We Write About When We Write About Love," The Writers' Handbook, 2004.

Woodward, Carolyn

"Crossing Borders with *Mademoiselle de Richelieu*: Fiction, Gender, and the Problem of Authenticiy." Special Issue "On the Edge of Fiction," *Eighteenth-Century Fiction* 16, 4 (July 2004): 573-602.

Book-jacket Review Notes for *The History of Ophilia* by Sarah Fielding, ed. Peter Sabor. Broadview, 2004.

Foreign Languages and Literatures

Baackmann, Susanne

"Reconfiguring the Witness of the Holocaust. The Child as a Lieu de Mémoire in Marianne Rosenbaum's Film Peppermint Frieden," *Seminar* 40:1 (February 2004), 19-34.

Brau, Lorie

"Oishinbo's Adeventures in Eating: Food, Communication, and Culture in Japanese Comics," *Gastronomica: The Journal of Food and Culture*, Vol. 4, No. 4, pp. 34-45. (Fall 2004).

"Rakugo Fans at Play," in William Kelly, ed. Fanning the Flames: Fans and Consumer Culture in Contemporary Japan. State University of New York Press, pp. 127-149. (2004).

Klebes, Martin

"Infinite Journey: From Kafka to Sebald," in W.G. Sebald: *A Critical Companion*, eds. Jonathan Long and Anne Whitehead. University of Edinburgh Press, 2004, 123-39.

"Infinite Journey: From Kafka to Sebald," in W.G. Sebald: *A Critical Companion*, eds. Jonathan Long and Anne Whitehead. Seattle: University of Washington Press, 2004.

(Ed.), "Ohr." parapluie. kulturen-künste-literaturen 20 (Winter 2004).

Pabisch, Peter

"Die US-amerikanische Sicht: Die Zukunft der deutschen Sprache im kulturpolitischen Kontext eines vielsprachigen Europa," in *Dietmar Goltschnigg und Anton Schwob, eds.*, "Zukunftschancen der deutschen Sprache in Mittel-, Südost- und Osteuropa." Vienna, Austria: Edition Praesens, 2004, 114-121.

Smith, Warren S.

Book Review: *The Ancient Novel and Beyond*, by Stelios Panayotakis et al. in *Bryn Mawr Classical Reviews* (electronic journal), Feb. 2004 (3 pp).

Geography

Cullen, Bradley T.

The "Right" Denied Same-Sex Couples. *Papers of the Applied Geography Conference*. 27:322-332. 2004.

Management of Western Australia's land: who is in charge? In W. Leimgruber, R. Majoral, and C. Lee, *Policies and Strategies in Marginal Regions*. London: Ashgate, pp.138-148. 2004.

Matthews, Olen Paul

Fundamental Questions about Water Rights and Market Reallocation. *Water Resources Research.* 40(9) W09S08. August 2004.

Morain, Stanley A.

Morain, S.A. and A.M. Budge. 2004. *Post-Launch Calibration of Satellite Sensors*. ISPRS Book Series. Leiden: The Netherlands, A.A. Balkema Publishers. 193 pp.

Morain, S.A. and V.M. Zanoni. 2004. Joint ISPRS/CEOS-WGCV Task Force on Radiometric and Geometric Calibration. In: M. Orhan Altan (ed.). *Proceedings, ISPRS XXth International Congress*, Istanbul. 35(B1):354-360.

Wang, Y., P. Neville, C. Bales, M. Jamshidi, and S. Morain. 2004. Multispectral Landsat Image Classification Using a Data Clustering Algorithm. In: M. Orhan Altan (ed.). *Proceedings*, XXth ISPRS Congress, Istanbul. 35(B7):17-20.

Morain, S.A. and A.M. Budge. 2004. Remote Surveillance Technologies for Assessing Biological Threats. *Proceedings, BTR 2004: Unified Science and Technology for Reducing Biological Threats and Countering Terrorism*. 17-19 March 2004. Albuquerque, New Mexico. pp. 109-117.

Linguistics

Morford, Jill P.

With Sutton, A. and Gallagher, T. M. Production and comprehension of graphic symbol utterances expressing complex propositions by adults who use augmentative and alternative communication systems. *Applied Psycholinguistics*, 25 (3), 349-371, 2004.

Der Altersfaktor im Gebärdenspracherwerb: Eine Neuinterpretation. (The age factor in signed language acquisition: A new interpretation.) *Das Zeichen*, 66: 85-88, 2004.

Shaffer, Barbara

Information ordering and speaker subjectivity: Modality in ASL. Cognitive Linguistics, 15 (2), 175-195, 2004.

Smith, Caroline L.

Topic transitions and durational prosody in reading aloud: production and modeling. *Speech Communication*, 42, 247-270, 2004.

Travis, Catherine E.

The ethnopragmatics of the diminutive in Colombian Spanish. *Intercultural Pragmatics*, 1, 249-274, 2004.

Wilcox, Phyllis Perrin

A Cognitive Key: Metonymic and Metaphorical Mappings in American Sign Language. Cognitive Linguistics, 15 (2), 197–222, 2004.

Book Review: Bilingualism & Identity in Deaf Communities by Melanie Metzger. In Sign Language Studies, 5(1), Gallaudet University Press, 118–136, 2004.

Wilcox, Sherman

With Janzen, T. Cognitive approaches to signed language research. Special issue. *Cognitive Linguistics*, 15 (2), Berlin: Mouton de Gruyter, 2004.

Conceptual spaces and embodied actions: Cognitive iconicity and signed languages. *Cognitive Linguistics*, 15 (2), 119-147, 2004.

With Janzen, T. Introduction: Cognitive dimensions of signed languages. *Cognitive Linguistics*, 15 (2), 113-117, 2004.

Gesture and language: Cross-linguistic and historical data from signed languages. *Gesture*, 4 (1), 43-75, 2004.

Struggling for a voice: An interactionist approach to literacy in deaf education. In B. Brueggemann (Ed.), *Literacy and deaf people*, 157-191. Washington, DC: Gallaudet University Press, 2004.

Hands and bodies, minds and souls: What can signed languages tell us about the origin of signs? In M. Alac and Violi (Eds.), *In the beginning: Origins of semiosis*, 137-167. Turnhout: Brepols, 2004.

Book Review: Of *Perspectives on classifier constructions in sign languages*. By K. Emmorey (Ed.). Rethinking classifiers. With Sarah Hafer. *Journal of Deaf Studies and Deaf Education*, 9(3), 362-363, 2004.

Mathematics and Statistics

Aceves, Alejandro

A.B. Aceves, G. Fibich and B. Ilan (2004). "Gap-soliton bullets in waveguide gratings," *Physica D* 189 277-286.

A.B. Aceves, T. Dohnal (2004). "Stopping and bending light in 2D photonic structures." *NATO Series II: Mathematics, Physics and Chemistry*, Kluwer Eds.

Bedrick, Edward

Arbogast, P. G. and Bedrick, E.J. (2004). Model-Checking Techniques for Linear Models with Parametric Variance Functions. *Technometrics*, 46, pp. 404-410.

Brown, J., Bedrick, E. J., Ernest, S. K. M., Cartron, J. L. E., and Kelly, J. F. (2004). Constraints on Negative Relationships: Mathematical Causes and Ecological Consequences. Pp. 298-323 in *The Nature of Scientific Evidence*, Ed. M. Taper and S. Lele. Chicago University Press.

Passell, H.D., Dahm, C.N., and Bedrick, E.J. (2004). Hydrological and Geochemical Trends and Patterns in the Upper Rio Grande, 1975-1999. *Journal of the American Water Resources Association*, 40 (1), 111-127.

Gannon, W. L., O'Farrell, M. J., Corben, C., and Bedrick, E. J. (2004). Call Character Lexicon and Analysis of Field Recorded Bat Echolocation Calls. Pp. 478-484 in *Advances in Echolocation in Dolphins and Bats*. University of Chicago Press, Chicago, IL.

Buium, Alexandru

Differential modular forms on Shimura curves, *II: Serre operators*, *Compositio Math 140* (2004) 1113-1134.

Pfaffian equations satisfied by differential modular forms, *Math Research Letters* 11 (2004) 453-466.

A. Buium, Geometry of Fermat adeles, Trans. AMS, 357, 3 (2004).

Christensen, Ronald

Johnson, Wesley O, Su, Chun-Lung, Gardner, Ian A., and Christensen, Ronald (2004). "Sample Size Calculations for Surveys to Substantiate Freedom of Populations from Infection Agents." *Biometrics*, 59, 165-171.

Coutsias, Evangelos

E.A. Coutsias, C. Seok and K.A. Dill, Using quaternions to calculate RMSD, *Journal of Computational Chemistry*, 2004, vol 25, pp. 1849-1857.

E. A. Coutsias, C. Seok, M. P. Jacobson and K. A. Dill, A Kinematic View of Loop Closure, *Journal of Computational Chemistry* 25, pp. 510-528, 2004.

Efromovich, Sam

Efromovich, S. (2004). Financial applications of sequential nonparametric curve estimation. Chapter 10 in *Applied Sequential Methodologies*, eds. N. Mukhopadhyay, S. Datta, and S. Chattopadhyay, pp. 171-192.

Efromovich, S., Lakey, J., Pereyra, M.C., and Tymes, N. (2004). Data-driven and optimal denoising of a signal and recovery of its derivative using multiwavelets. *IEEE Transactions on Signal Processing*, 52, pp. 628-635.

Efromovich, S. (2004). Distribution estimation for biased data. *Journal of Statistical Planning and Inference*, 124, pp. 1-43.

Efromovich, S. (2004). On sequential data-driven density estimation. *Sequential Analysis Journal*, Wald's edition, 23, 603-624.

Efromovich, S. (2004). Analysis of blockwise shrinkage wavelet estimates via lower bounds for no-signal setting. *Annals of the Institute of Statistical Mathematics*, 56, pp. 205-223.

Efromovich, S. (2004), Density estimation for biased data. *Annals of Statistics*, 32, pp. 1137-1161.

Efromovich, S. (2004). Oracle inequalities for Efromovich-Pinsker blockwise estimates, *Methodology and Computing in Applied Probability*, 6, pp. 303-322.

Efromovich, S. (2004) Discussion on "Likelihood ratio identities and their applications to sequential analysis" by Tze L. Lai. *Sequential Analysis Journal*, 23, pp. 517-520.

Efromovich, S. (2004). Adaptive estimation of error density in heteroscedastic nonparametric regression. *Proceedings of the 2nd Interbational workshop in Applied Probability IWAP* 2004, Univ. of Piraeus, Greece, pp. 132-135.

Ellison, James

First Order Averaging Principles for Maps with Applications to Beam Dynamics in Particle Accelerators, *SIAM Journal on Applied Dynamical Systems*, 3, 409-432 (2004), H.S. Dumas, J.A. Ellison and M. Vogt.

A Simple Parallelization of a FMM-based Serial Beam-Beam Interaction Code, *Proc. 2002 ICAP, East Lansing, Inst. Phys. Conf.*, Ser. No 175 (2004), Martin Berz, editor, P.M. Alsing, V. Boocha, M. Vogt, J.A. Ellison, T. Sen.

Quasiperiodic Spin-Orbit Motion and Spin Tunes in Storage Rings, *Phys. Rev. ST Accel. Beams*, 7,124002 (2004), D. Barber, J.A. Ellison and K. Heinemann.

Linear Vlasov Analysis for Stability of a Bunched Beam, *Proceedings of EPAC04*, p. 2215, Lucerne, Switzerland, R. Warnock, G. Stupakov, M. Venturini and J.A. Ellison.

Gosler, Cathy

Instructor's Resource Manual for Sonnabend's Mathematics for Teachers: An Interactive Approach for Grades K-8, 3rd ed., Thomson/Brooks-Cole (2004) with T. Sonnabend.

Student's Solutions Manual for Sonnabend's Mathematics for Teachers: An Interactive Approach for Grades K-8, 3rd ed., Thomson/Brooks-Cole (2004).

Hagstrom, Thomas

A new auxiliary variable formulation of high-order local radiation boundary conditions: Corner compatibility conditions and extensions to first order systems, (with T. Warburton), *Wave Motion*, 39, (2004), 327-338.

Exact solutions to category 1, problem 3 (with I. Nazarov), *Proceedings of the 4th Computational Aeroacoustics Workshop on Benchmark Problems*, *NASA/CP-2004-212954*, 2004, 35-38.

Solution of category 1 benchmark problems using high-order difference methods and perfectly matched layers (with I. Nazarov), *Proceedings of the 4th Computational Aeroacoustics Workshop on Benchmark Problems, NASA/CP-2004-212954*, 2004, 355-370.

Hanson, Tim

Marks, S., Hanson, T., and Melli, A. (2004). Comparison of direct immuno-fluorescence, modified acid-fast staining, and enzyme immunoassay techniques for detection of Cryptosporidium spp in naturally exposed kittens. *Journal of the American Veterinary Medical Association*, 225, 1549-1553.

Hanson, T. and Johnson, W. (2004). A Bayesian semiparametric AFT model for interval censored data. *Journal of Computational and Graphical Statistics*, 13, 341-361.

Huerta, Gabriel

Huerta G., Sanso; B. and Stroud J.R. (2004). A Spatio-Temporal Model for Mexico City Ozone Levels. *Journal of the Royal Statistical Society Series C, Applied Statistics*, Vol. 53, 2, 231-248.

Huzurbazar, Aparna

Huzurbazar, Aparna V. (2004). "Modelling Survival Data using Flowgraph Models". Refereed book chapter in the *Handbook of Statistics Volume 23: Advances in Survival Analysis*, Pp. 729-746. Edited by N. Balakrishnan and C. R. Rao. Amsterdam: Elsevier.

Huzurbazar, Aparna V. (2004). "Multistate Models, Flowgraph Models and Semi-Markov Processes," *Communications in Statistics: Theory and Methods*, 33, pp. 457-474.

Kapitula, Todd

Eigenvalues and resonances using the Evans function, co-authored with B. Sandstede, *Discrete and Continuous Dynamical Systems*, Vol. 10, No. 4, 857-869 (2004).

The Evans function for non-local equations, co-authored with B. Sandstede and J. Kutz, Indiana U. *Math. J.*, Vol. 53, No. 4, 1095-1126 (2004).

Linear stability of perturbed Hamiltonian systems: theory and A case example, co-authored with P. Kevrekidis, *J. Phys. A: Math. Gen.*, Vol. 37, No. 30, 7509-7526 (2004).

Counting eigenvalues via the Krein signature in infinite-dimensional Hamiltonian systems, co-authored with P. Kevrekidis and B. Sandstede, *Physica D*, Vol. 195, No. 3/4, 263-282 (2004).

Koltchinskii, Vladimir

E. Gin'e, V. Koltchinskii and J. Zinn Weighted Uniform Consistency of Kernel Density Estimators. *Annals of Probability*, 2004, 32, 3B, 2570-2605.

E. Gin'e, V. Koltchinskii and L. Sakhanenko Kernel density estimators: convergence in distribution of weighted sup-norms. *Probability Theory and Related Fields*, 2004, 130, 167-198.

V. Koltchinskii, Discussion of boosting papers. Annals of Statistics, 2004, 32, 107-113.

Kucharz, Wojciech

Rational and homological equivalence of real cycles, *Geomeriae Dedicata* 106 (1) (2004), 113-122.

Analytic cycles on real analytic manifolds, (with J. Bochnak). *Mathematische Annalen* 329 (2004), 279-289.

Algebraic equivalence of cycles and algebraic models of smooth manifolds, *Compositio Mathematica* 140 (2004), 501-510.

Lorenz, Jens

Kreiss, H.-O., Lorenz, J. Initial-boundary value problems and the Navier-Stokes equations. *Classics in Applied Mathematics* 47, SIAM, 2004.

Kreiss, H.-O., Lorenz, J. A priori estimates in terms of the maximum norm for the solutions of the Navier--Stokes equations. *J. Diff. Equations*, Vol. 203 (2004), pp. 216-231.

Lorenz, J. Review of the book: *Difference Schemes with Operator Factors* by A.A. Samarskii, P.P. Matus, and P.N. Vabishchevich. *SIAM Review* 46, No. 4 (2004), pp. 752-753.

Nitsche, Monika

Nitsche, M. and Steen, P. H. Numerical simulations of inviscid capillary pinchoff, *J.* ~ *Comp. Phys.* 200, 299-324, 2004.

Pereyra, Cristina

Sam Efromovich, Joe Lakey, Maria Cristina Pereyra, Nathaniel Tymes Jr. "Datadriven and optimal denoising of a signal and recovery of its derivative using multiwavelets." *IEEE Transactions on Signal Processing*, vol 52, no. 3, pp. 1-8 (2004).

Poutkaradze, Vakhtang

Braiding Patterns on an inclined plane, K. Mertens, V. Putkaradze and P. Vorobieff, *Nature*, 430, 165 (2004).

Cocentric Circular Peakons, D.D.Holm, V.Putkaradze and S.Stechmann, *Nonlinearity*, 17, 1-24 (2004).

"Inertial effects in droplet collapse," V. Putkaradze, in *Hydrodynamics of Droplet Collision and Fusion*, *Series "Interfacial Science and Technology*," edited by Arthur Hubbard, Elsevier, 2004.

Salter, Laura

Gilchrist, M., L. Salter, and A. Wagner. 2004. A statistical framework for interpreting high-throughput proteomic datasets, *Bioinformatics* 20 (5): 689-700.

Standberg, A.K.K. and L. Salter. 2004. A Comparison of Methods for Estimating the Transition: Transversion Ratio From DNA Sequences, *Molecular Phylogenetics and Evolution* 32 (2): 495-503.

Salter, L. 2004. Review of *The Phylogenetic Handbook: A Practical Approach to DNA and Protein Phylogeny* (Edited by Marco Salemi and Anne-Mieke Vandamme. Cambridge, England: Cambridge University Press, 2003.), *American Journal of Human Biology* 16: 354-355.

Steinberg, Stanly

Applications of High-Order Discretizations to Boundary-Value Problems, *CMAM* (Computational Methods in Applied Mathematics), 4/2 (2004), 228-261.

B.S. Wilson, S.L. Steinberg, K. Leiderman, J. R. Pfeiffer, Z. Surviladze, J. Zhang, L. E. Samuelson, L. H. Yang, P. G. Kotula and J. M. Oliver Markers for Detergent-Resistant Lipid Rafts Occupy Distinct Dynamic Domains in Native Membranes, *Mol. Biol Cell*, 15 (2004), 2580-2592.

M. Hyman and S. Steinberg, *The* Convergence of Mimetic Discretization for Rough Grids, *Computers & Mathematics with Applications (CAM)*, 47/10-11 (2004), 1565-1610.

J.M. Oliver, J.R. Pfeiffer, Z. Surviladze, S.L. Steinberg, K. Leiderman, M.L. Sanders, J. Zhang, H. Fan, N. Andrews, S. Bunge, T.J. Boyle, P. Kotula, B.S. Wilson, Mapping Receptor Distributions: The Membrane Topography of Fc\$\epsilon\$RI Signaling. Subcelluar Biochemistry, 37, Membrane Dynamics and Domains, edited by P.J. Quinn, Kluwer Academic/Plenum Publishers, pp. 3-34.

Sulsky, Deborah

D. Sulsky and A. Kaul, Implicit Dynamics in the Material-Point Method, Comp. Meths. Appld. Mechs. Engrg., 193: 1137-1170 (2004).

D. Sulsky and H. Schreyer, MPM Simulation of Dynamic Material Failure with a Decohesive Constitutive Model, *European Journal of Mechanics A/Solids*, 23:423-445 (2004).

Adrian Lew, Patrizio Neff, Deborah Sulsky, and Michael Ortiz, Optimal BV Estimates for a Discontinuous Galerkin Method in Linear Elasticity, *AMRX* 2004, No. 3, 73-106 (2004).

Philosophy

Becker, Kelly

"Knowing and Possessing Knowledge," American Philosophical Quarterly, 41:1, pp. 21-36, 2004.

Burgess, Andrew J.

"Kierkegaard and Ethical Argumentation." Argumentation and Social Cognition: *Proceedings* of the 2nd Tokyo Conference on Argumentation. Ed. Takeshi Suzuki, Yoshiro Yano, and Takayuki Kato. Tokyo: Japan Debate Association, 2004, 28-32.

"Kierkegaard, Brorson, and Moravian Music." In *Practice in Christianity, International Kierkegaard Commentary*, vol. 20, ed. Robert Perkins. Macon GA: Mercer University Press, 2004, 211-43.

Book Review: Of *Søren Kierkegaard and the Common Man*, by Jørgen Bukdahl. Ed and trans. Bruce H. Kirmmse. In *Kierkegaardiana*, 23 (2004), 228-31.

Co-editor (with David Schultenover, S.J. and Daniel Hardy), *Papers of the Nineteenth Century Theology Group: 2004 Annual Meeting of the American Academy of Religion*. Eugene, OR: Wipf & Stock, 2004.

"Practice in Christianity," *International Kierkegaard Commentary*, vol. 20, ed. Robert Perkins. Macon GA: Mercer University Press, 2004, 211-43.

Goodman, Russell

"Wittgenstein and James: Pragmatism and Will," *Pragmatism and Values, The Central European Pragmatist Forum*, Vol. 1, John Ryder and Emil Visnovsky eds., Rodopi 2004, pp. 59-72.

"The Colors of the Spirit: Emerson and Thoreau on Nature and the Self," *Nature in American Philosophy (Studies in Philosophy and the History of Philosophy)*, Jean De Groot, Ed., The Catholic University of America Press, 2004, pp. 1-18.

Book Review: Of *Understanding Emerson: "The American Scholar" and His Struggle for Self-Reliance*, by Kenneth S. Sachs, Auth. In *Journal of American History*, 91:1.

Book Review: of *Emerson's Life in Science: The Culture of Truth*, by Laura Dassow Walls, Auth. In *Journal of American History*, 91:1.

"James on the Nonconceptual," Midwest Studies in Philosophy XXVIII, pp. 137-148, 2004.

Kalar, Brent

Review of *Essays on Kant's Anthropology*, by Brian Jacobs and Patrick Kain, eds., Notre Dame *Philosophical Reviews*, October 2004.

Schueler, G.F.

Review of *Doing Things for Reasons*, by R. Bittner, Auth. In *Philosophy and Phenomological Research*, September 2004, pp. 495-497.

Review of Motivation and Agency, by A.. Mele, Auth. In Ethics, October 2004, pp. 145-148.

Taber, John

"Is Indian Logic Nonmonotonic?," Philosophy East and West, Vol. 54 (2004), pp. 143-170.

Thomson, Iain

"Ontology and Ethics at the Intersection of Phenomenology and Environmental Philosophy," *Inquiry*, 47:4 (2004) pp. 380-412.

"Heidegger and National Socialism," A Companion to Heidegger, Hubert L. Dreyfus and Mark A. Wrathall, eds., Blackwell Publishing, 2004, pp. 32-48.

"Martin Heidegger," *Great Thinkers A-Z*, Julian Baggini and Jeremy Stangroom, Eds., Continuum, 2004, pp. 115-117.

Physics and Astronomy

Ahluwalia, Harjit

Local and global aspects of galactic cosmic ray modulation. EOS. *Trans. Am. Geophys. Union*, 83, F1510, 2004.

Bassalleck, Bernd

J/psi production in Au-Au collisions at sprt(s_NN) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. C* 69, 014901 (2004).

J/psi Production from Proton-Proton Collisions at sqrt(s) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. Lett.* 92, 051802 (2004).

Single identified hadron spectra from sqrt(s_NN) = 130 GeV Au+Au collisions, K. Adcox et al. (PHENIX Collaboration), *Phys. Rev. C* 69, 024904 (2004).

Identified charged particle spectra and yields in Au+Au collisions at sqrt(s_NN) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. C* 69, 034909 (2004).

High-pt charged hadron suppression in Au+Au collisions at sqrt(s_NN) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. C* 69, 034910 (2004).

Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in sqrt(s_NN) = 200 GeV Au+Au and p+p Collisions, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. Lett.* 93, 092301 (2004).

Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at sqrt(s_NN) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. Lett.* 93, 152302 (2004).

Double Helicity Asymmetry in Inclusive Midrapidity neutral pion Production for Polarized p+p Collisions at sqrt(s) = 200 GeV, S.S. Adler et al. (PHENIX Collaboration), *Phys. Rev. Lett.* 93, 202002 (2004).

Brandt, John C.

John C. Brandt and Robert D. Chapman, *Introduction to Comets*, Cambridge University Press: Cambridge, 441 pp.

Geraint H. Jones and John C. Brandt, "The interaction of comet 153P/Ikeya-Zhang with interplanetary coronal mass ejections: Identification of fast ICME signatures," *Geophysical Research Letters*, Vol. 31, L20805.

Caves, Carlton

- C. M. Caves, C. A. Fuchs, K. Manne, and J. M. Renes, "Gleason-type derivations of the quantum probability rule for generalized measurements," *Foundations of Physics* 34, 193-209 (2004).
- J. M. Renes, R. Blume-Kohout, A. J. Scott, and C. M. Caves, "Symmetric informationally complete quantum measurements," *Journal of Mathematical Physics* 45, 2171-2180 (2004).
- C. M. Caves and K. Wodkiewicz, "Classical phase-space descriptions of continuous-variable teleportation," *Physical Review Letters* 69, 040506 (2004).
- C. M. Caves, I. H. Deutsch, and R. Blume-Kohout, "Physical-resource requirements and the power of quantum computation," *Journal of Optics B: Quantum and Semiclassical Optics* 6, S801-S806 (2004).
- C. M. Caves and K. Wodkiewicz, "Fidelity of Gaussian channels," *Open Systems and Information Dynamics* 11, 309-323 (2004).

Deutsch, Ivan

- A. Silberfarb and I. H. Deutsch, "Entanglement generated between a single atom and a laser pulse," *Physical Review A* 69, 042308 (2004).
- S. Ghose, P. M. Alsing, I. H. Deutsch, T. Bhattacharya, S. Habib, and K. Jacobs, "The transition to classical chaos in a coupled quantum system through continuous measurement," *Physical Review A* 69, 052116 (2004).
- I. H. Deutsch, P.S. Jessen, and R. Stock, "Quantum Computing with Neutral Atoms," special issue of *Quant. Inf. Proc.* 3, 15 (2004).
- C. M. Caves, I. H. Deutsch, and R. Blume-Kohout, "Physical-Resource Requirements and the Power of Quantum Computation," *Journal of Optics B* 6, S801 (2004).
- G. Smith, S. Chaudhury, P. S. Jessen, A. Silberfarb, and I. H. Deutsch, "Continuous Weak Measurement and Nonlinear Dynamics in a Cold Spin Ensemble," *Physical Review Letters* 93, 163602 (2004).
- S. Ghose, Ghose, P. M. Alsing, I. H. Deutsch, B. Sanders, "The Quantum to Classical Transition in Entangled Systems via Continuous Measurements," *Proceedings to Quantum Communication Measurement and Computation, Glasgow Scotland 2004* (AIP, Melville, NY, 2004), pp. 61-66.

Emin, David

"Bonding and doping of simple icosahedral-boride semiconductors," *Journal of Solid State Chemistry* 177/4-5, (2004).

D. Emin and T.L. Aselage, "A proposed boron carbide based solid-state neutron detector," *Journal of Applied Physics* 97, 013529 (December 15, 2004).

Finley, J. Daniel

J. D. Finley and J.K. McIver, "Non-Abelian Infinite Algebra of Generalized Symmetries for the SDiff(2)Toda Equation," *J. Phys. A*, Vol. 37, 5825-5847 (2004).

Gold, Michael

"Direct Photon Cross Section with Conversions at CDF," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 70, 074008 (2004).

"The Underlying Event in Hard Interactions at the Tevatron p anti-p Collider," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 70, 072002 (2004).

"Inclusive Double-Pomeron Exchange at the Fermilab Tevatron p anti-p Collider," D. Acosta et al., The CDF Collaboration, *Phys. Rev. Lett.* 93, 141601 (2004).

"Measurement of the Polar-Angle Distribution of Leptons from W Boson Decay as a Function of the W Transverse Momentum in p anti-p Collisions at Center of Mass Energy 1.8 TeV," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 70, 032004 (2004).

"Inclusive Search for Anomalous Production of High-p(t) Like-Sign Lepton Pairs in p anti-p Collisions at Center of Mass Energy 1.8 TeV," D. Acosta et al., The CDF Collaboration, *Phys. Rev. Lett.* 93, 061802 (2004).

"Observation of the Narrow State X(3872) --- > J / Psi Pi+ Pi- in Antiproton-Proton Collisions at Center of Mass Energy 1.96 TeV," *Phys. Rev. Lett.* 93:072001, 2004.

"Optimized Search for Single-Top-Quark Production at the Tevatron," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 69, 052003 (2004).

"Heavy Flavor Properties of Jets Produced in p anti-p Interactions at Center of Mass Energy 1.8 TeV," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 69, 072004 (2004).

"Search for Kaluza-Klein Graviton Emission in p anti-p Collisions at Center of Mass Energy 1.8 TeV Using the Missing Energy Signature," D. Acosta et al., The CDF Collaboration, *Phys. Rev. Lett.* 92, 121802 (2004).

"Measurement of the Average Time-Integrated Mixing Probability of b-Flavored Hadrons Produced at the Tevatron," D. Acosta et al., The CDF Collaboration, *Phys. Rev. D* 69, 012002 (2004).

"Search for Pair Production of Scalar Top Quarks in R-parity Violating Decay Modes in p anti-p Collisions at Center of Mass Energy 1.8 TeV," D. Acosta et. al., The CDF Collaboration, *Phys. Rev. Lett.* 92, 051803 (2004).

Henning, Patricia

"The 1000 Brightest HIPASS Galaxies: HI Properties," Koribalski, B.S., Staveley-Smith, L., Kilborn, V.A., Ryder, S.D., Kraan-Korteweg, R.C., Ryan-Weber, E.V., Ekers, R.D., Jerjen, H., Henning, P.A., Putman, M.E., Zwaan, M.A., de Blok. W.J.G., Calabretta, M.R., Disney, M.J., Minchin, R.F., Bhathal, R., Boyce, P.J., Drinkwater, M.J., Freeman, K.C., Gibson, B.K., Green, A.J., Haynes, R.F., Juraszek, S., Kesteven, M.J., Knezek, P.M., Mader, S., Marquarding, M., Meyer, M., Mould, J.R., Oosterloo, T., O'Brien, J., Price, R.M., Sadler, E.M., Schroder, A., Stewart, I.M., Stootman, F., Waugh, M., Warren, B.E., Webster, R.L., and Wright, A.E., *Astronomical Journal*, 128, 16-46, 2004.

"The HIPASS Catalogue: I - Data Presentation," Meyer, M.J., Zwaan, M.A., Webster, R.L., Staveley-Smith, L., Ryan-Weber, E., Drinkwater, M.J., Barnes, D.G., Howlett, M., Kilborn, V.A., Stevens, J., Waugh, M., Pierce, M.J., Bhathal, R., de Blok, W.J.G., Disney, M.J., Ekers, R.D., Freeman, K.C., Garcia, D.A., Gibson, B.K., Harnett, J., Henning, P.A., Jerjen, H., Kesteven, M.J., Knezek, P.M., Koribalski, B.S., Mader, S., Marquarding, M., Minchin, R.F., O'Brien, J., Oosterloo, T., Price, R.M., Putman, M.E., Ryder, S.D., Sadler, E.M., Stewart, I.M., Stootman, F., and Wright, A.E., *Monthly Notices of the Royal Astronomical Society*, 350, 1195-1209, 2004.

"The HIPASS Catalogue: II - Completeness, reliability, and parameter accuracy," Zwaan, M.A., Meyer, M.J., Webster, R.L., Staveley-Smith, L. Drinkwater, M.J., Barnes, D.G., Bhathal, R., de Blok, W.J.G., Disney, M.J., Ekers, R.D., Freeman, K.C., Garcia, D.A., Gibson, B.K., Harnett, J., Henning, P.A., Howlett, M., Jerjen, H., Kesteven, M.J., Kilborn, V.A., Knezek, P.M., Koribalski, B.S., Mader, S., Marquarding, M., Minchin, R.F., O'Brien, J., Oosterloo, T., Pierce, M.J., Price, R.M., Putman, M.E., Ryan-Weber, E., Ryder, S.D., Sadler, E.M., Stevens, J., Stewart, I.M., Stootman, F., Waugh, M., and Wright, A.E., *Monthly Notices of the Royal Astronomical Society*, 350, 1210-1219, 2004.

"The Universe behind the Southern Milky Way," Kraan-Korteweg, R.C., Staveley-Smith, L., Donley, J., and Henning, P.A., in *Maps of the Cosmos, IAU Symposium 216*, eds. M. Colless, and L. Staveley-Smith, 2004.

Jefferies, Stuart

Finsterle, W., Jefferies, S. M., Cacciani, A., Giebink, C., Knox, A., Rapex, P. and DiMartino, V.: 2004, "Seismology of the solar atmosphere," *Solar Physics*, 220, 317-331.

Jefferies, S. M. and Vorontsov, S. V. 2004, "A new way to model the solar oscillationl-nu power spectrum," *Solar Physics*, 220, 347-359.

Finsterle, W., Jefferies, S. M., Cacciani, A., Rapex, P. and McIntosh, S. W. 2004, "Helioseismic Mapping of the Magnetic Canopy in the Solar Chromosphere," *Ap.J.*, 613, L185-L188.

Finsterle, W., Jefferies, S. M., Cacciani, A., and Rapex, P. 2004, "Acoustic waves reveal the magnetic topology of the solar atmosphere," in *Proc. of SOHO 14/GONG2004 / Helio- and Asteroseismology: Towards a Golden Future.*

Jefferies, S. M., Vorontsov, S. V., and Giebink, C. 2004, "Global helioseismic metrology," in *Proc. of SOHO 14/GONG2004 / Helio- and Asteroseismology: Towards a Golden Future.*

Sekii, T., Shibahashi, H., and Jefferies, S. M. 2004, "An alternative interpretation of the double-ridge structure in the high-frequency time-distance autocorrelation function?," in *Proc. of SOHO 14/GONG2004 / Helio- and Asteroseismology: Towards a Golden Future.*

Kenkre, V.M.

V. M. Kenkre and L. Giuggioli. Study of Some Approximation Schemes in the Spin-Boson Problem, *Chem. Phys.* 296, 135-148 (2004).

M. A. Fuentes, M. Kuperman, and V. M. Kenkre. Analytical Considerations in the Study of Spatial Patterns Arising from Nonlocal Interaction Effects, *J. Phys. Chem. B* 108, 10505-10508 (2004).

M. A. Fuentes, P. Maniadis, G. Kalosakas, K. Ø. Rasmussen, A. R. Bishop, V. M. Kenkre, and Yu. B. Gaididei. Multipeaked Polarons in Soft Potentials, *Phys. Rev. E* 70, 025601R (2004).

M. Ballard, V. M. Kenkre, and M. N. Kuperman. Periodically Varying Externally Imposed Environmental Effects on Population Dynamics, *Phys. Rev. E* 70, 031912 (2004).

P. E. Parris and V. M. Kenkre. Variational Considerations in the Study of Carrier Transport in Organic Crystals, *Phys. Rev. B* 70, 064304 (2004).

V. M. Kenkre. Results from Variants of the Fisher Equation in the Study of Epidemics and Bacteria, *Physica A* 342, 242-248 (2004).

S. Goncalves, V. M. Kenkre and A.R. Bishop. Nonlinear Friction of a Damped Dimer Sliding on a Periodic Substrate, *Phys Rev. B* 70, 195415 (2004).

V. M. Kenkre, R. R. Parmenter, I. D. Peixoto and L. Sadasiv. A Theoretical Framework for the Analysis of the West Nile Virus Epidemic, *Mathematical & Computer Modeling*, (2004).

Modern Challenges on Statistical Mechanics: Patterns, Noise, and the Interplay of Nonlinearity and Complexity, V.M. Kenkre and K. Lindenberg ed., American Institute of Physics Melville, New York. *AIP Conference Proceedings - Volume 658*.

Loomba, Dinesh

M. L. Perl, E. R. Lee, D. Loomba, A brief review of the search for isolatable fractional charge elementary particles, *Modern Physics Letters A*, 19, 2595-2610, 2004.

Matthews, John

Search for Pair Production of Scalar Top Quarks in R-Parity Violating Decay Modes in p anit-p Collisions at 1.8-TeV, with the CDF Collaboration (D. Acosta, et al), *Phys. Rev. Lett.* 92, 051803 (2004)

Measurement of the Flux of Ultrahigh Energy Cosmic Rays from Monocular Observations by the High Resolution Fly's Eye Experiment, with the HiRes Collaboration (T. Abu-Zayyad, et al), astro-ph/0208243, *Phys. Rev. Lett.* 92, 151101 (2004).

Inclusive Double Pomeron Exchange at the Fermilab Tevatron p anti-p Collider, with the CDF Collaboration (D. Acosta et al), *Phys. Rev. Lett.* 93, 141601 (2004).

Measurement of the Average Time Integrated Mixing Probability of B-Flavored Hadrons Produced at the Tevatron, with the CDF Collaboration (D. Acosta, et al), *Phys. Rev. D* 69, 012002 (2004).

Search for Global Dipole Enhancements in the HiRes-I Data above 10¹⁸.5eV, with the HiRes Collaboration (R. Abbasi, et al), astro-ph/0309457, *Astoparticle Physics* 21, 111 (2004).

Study of Small-Scale Anisotropy of Ultra High Energy Cosmic Rays Observed in Stereo by HiRes, with the HiRes Collaboration (R. Abbasi, et al), astro-ph/0404137, *Astophys. Journal* 610, L73 (2004).

The LIDAR Systems for Atmospheric Monitoring In Auger, with R. Mussa, et al, *Nucl. Instr. and Methods*, A518, 183 (2004).

Search for Arrival Direction Clustering in the HiRes-I Monocular Data above 10¹⁹.5eV, with the HiRes Collaboration (R. Abbasi, et al), astro-ph/0404366, *Astoparticle Physics* 22, 139 (2004).

Properties and Performance of the Prototype Instrument for the Pierre Auger Observatory, with the Pierre Auger Collaboration, (R. Abraham, et al), *Nucl. Instr. and Methods*, A523, 50 (2004).

McGraw, John T.

P.C. Zimmer, R.J. Rand, and J.T. McGraw, "The Pattern Speeds of M51, M83, and NGC 6946 Using CO and the Tremaine-Weinberg Method," *Astrophysical Journal*, 607, p. 285, 2004.

McIver, John K.

- V.I. Usachenko, V.A. Pazdzersky and J.K. McIver, "Reexamination of high-energy above-threshold ionization (ATI): An alternative strong-field ATI model," *Physical Review A* 69, 013406 1-16 (2004).
- J.D. Finley and J.K. McIver, "Non-Abelian Infinite Algebra of Generalized Symmetries for the Sdiff(2) Toda Equation," *Journal of Physics A: Math Gen* 37, 5825-5847 (2004).
- S. Daffer, K. Wodkiewicz, J.D. Cresser and J.K. McIver, "Depolarizing Channel as a Completely Positive Map with Memory," *Physical Review A* 70, 010304 (R) (2004).

Prasad, Sudhakar

- S. Prasad and N. Menicucci, "Fisher Information with respect to Cumulants," *IEEE Trans. Inform. Theory*, vol. 50, 638-642 (2004).
- S. Prasad, "Information Optimized Phase Diversity Speckle Imaging," Opt. Lett., vol. 29, pp. 563-565 (2004).
- S. Prasad, "Fisher Information Based Analysis of a Phase Diversity Speckle Imaging System," *J. Opt. Soc. Am. A*, vol. 21, pp. 2073-2088 (2004).
- S. Prasad, T. Torgersen, V. P. Pauca, R. Plemmons, and J. van der Gracht, "High-Resolution Imaging Using Integrated Optical Systems," *Int. J. Imaging Syst. Technolog.*, vol. 14, pp. 67-74 (2004).
- J. van der Gracht, V. Pauca, H. Setty, R. Narayanswamy, R. Plemmons, S. Prasad, and T. Torgersen, "Iris recognition with enhanced depth-of-field image acquisition," *Proc. SPIE*, Vol. 5438, pp. 120-129 (2004).

- S. Prasad, V. Pauca, R. Plemmons, T. Torgersen, and J. van der Gracht, "Pupil-phase optimization for extended-focus, aberration-corrected imaging systems," Integrated Signal and Image Processing Conference, 49th Annual SPIE Meeting, Denver, CO, August 2004: *Proc. SPIE*, vol. 5559, pp. 335-345 (2004).
- R. Plemmons, V. Pauca, S. Prasad, S. Robinson, H. Setty, T. Torgersen, J. van der Gracht, M. Horvath, E. Leonhardt, E. Dowski, R. Narayanswamy, P. Silveira, "Computational imaging systems for iris recognition," Integrated Signal and Image Processing Conference, 49th Annual SPIE Meeting, Denver, CO, August 2004: *Proc. SPIE*, vol. 5559, pp. 346-357 (2004).
- D. Hope and S. Prasad, "Information-theoretic metrics of image quality in phase-diverse speckle imaging," *Proceedings of the 2004 AMOS Technical Conference*, Maui, HI, September 2004, CD-ROM.

Rand, Richard J.

- R.J. Rand and J.F. Wallin, "Pattern Speeds of BIMA SONG Galaxies with Molecule-dominated Interstellar Mediums Using the Tremaine-Weinberg Method," *Astrophysical Journal* 614, p. 142, 2004.
- P.C. Zimmer, R.J. Rand, and J.T. McGraw, "The Pattern Speeds of M51, M83, and NGC 6946 Using CO and the Tremaine-Weinberg Method," *Astrophysical Journal*, 607, p. 285, 2004.
- E. Schinnerer, R.J. Rand, and N.Z. Scoville, "Extra-Planar Molecular Gas in the Edge-On Galaxy NGC 4013," in *Recycling Intergalactic and Interstellar Matter, International Astronomical Union. Symposium no. 217*, eds P.-A. Duc, J. Braine, and E. Brinks. (San Francisco: Astronomical Society of the Pacific), p. 166, 2004.

Seidel, Sally

Sensors for the CDF Run 2b Silicon Detector, IEEE Trans. Nucl. Sci. 51:1546-1554, 2004.

Jet Physics at CDF, *Proc. 9th Adriatic Meeting*, Dubrovnik, Croatia, J. Trampetic and J. Wess, eds., Springer, 2004.

Search for Doubly-Charged Higgs Bosons Decaying to Dileptons in Proton-Antiproton Collisions at Center of Mass Energy 1.96 TeV, *Phys. Rev. Lett.* 93:221802, 2004.

Inclusive Search for Anomalous Production of High Transverse Momentum Like-Sign Lepton Pairs in Proton-Antiproton Collisions at Center of Mass Energy 1.8 TeV, *Phys. Rev. Lett.* 93:061802, 2004.

Measurement of the Top Anti-Top Production Cross Section in Proton-Antiproton Collisions at Center of Mass Energy 1.96 TeV Using Dilepton Events, *Phys. Rev. Lett.* 93:142001, 2004.

Direct Photon Cross Section With Conversions at CDF, Phys. Rev. D 70:074008, 2004.

The Underlying Event in Hard Interactions at the Tevatron Antiproton-Proton Collider, *Phys. Rev. D* 70:072002, 2004.

Optimized Search for Single Top Quark Production at the Fermilab Tevatron, *Phys. Rev. D* 69:052003, 2004.

Search for B0(S) --- > Mu + Mu- and B0(D) --- > Mu + Mu- Decays in Proton-Antiproton Collisions at Center of Mass Energy 1.96 TeV, *Phys. Rev. Lett.* 93:032001, 2004.

The CDF Run 2b Silicon Detector, Nucl. Instrum. Meth. A 518:270-276, 2004.

Observation of the Narrow State X(3872) --- > J / Psi Pi+ Pi- in Antiproton-Proton Collisions at Center of Mass Energy 1.96 TeV, *Phys. Rev. Lett.* 93:072001, 2004.

Heavy Flavor Properties of Jets Produced in Proton-Antiproton Interactions at Center of Mass Energy 1.8 TeV, *Phys. Rev. D* 69:072004, 2004.

Measurement of the Polar Angle Distribution of Leptons From W Boson Decay as a Function of the W Transverse Momentum in Proton Anti-Proton Collisions at Center of Mass Energy 1.8 TeV, *Phys. Rev. D* 70:032004, 2004.

Combination of CDF and D0 Results on W Boson Mass and Width, *Phys. Rev. D* 70:092008, 2004.

Inclusive Double Pomeron Exchange at the Fermilab Tevatron Antiproton-Proton Collider, *Phys. Rev. Lett.* 93:141601, 2004.

Measurement of the Average Time Integrated Mixing Probability of B Flavored Hadrons Produced at the Tevatron, *Phys. Rev. D* 69:012002, 2004.

Search for Pair Production of Scalar Top Quarks in R Parity Violating Decay Modes in Proton-Antiproton Collisions at Center of Mass Energy 1.8 TeV, *Phys. Rev. Lett.* 92:051803, 2004.

Sheik-Bahae, Mansoor

- M. Sheik-Bahae, Nonlinear Optics Basics: Kramers-Krönig Relations in Nonlinear Optics, in *Encyclopedia of Modern Optics*, edited by Robert D. Guenther, Duncan G. Steel and Leopold Bayvel, Elsevier, Oxford, 2004.
- J. Zeller, W. Rudolph and M. Sheik-Bahae, "Anomalous nonlinear photoresponse in a InGaN/GaN heterostructure," J. Appl. Phys., 95, 6152 (2004).
- M. Sheik-Bahae and R. I. Epstein, "Can Laser Light Cool Semiconductors?," *Phys. Review Lett.*, 92, 247403 (2004).
- M. Hasselbeck, D. Bender, S. Bigotta, J. Distel, R. Epstein, S. Greenfield, B. Imangholi, W. Patterson, D. Seletskiy, M. Sheik-Bahae, J. Thiede, N. Vadiee, V. Vankipuram, "Laser Cooling of Infrared Sensors," *SPIE Proceedings*, 2004.

Smith, David D.

Coupled-resonator-induced transparency, D.D. Smith, H. Chang, K.A. Fuller, A.T. Rosenberger, and R.W. Boyd, *Physical Review A* 69, p. 063804, 2004.

Coherence phenomena in coupled optical resonators, D. D. Smith and H. Chang, *Journal of Modern Optics* 51, p. 2503, 2004.

Wodkiewicz, Krzysztof

- F. Haug, M. Fryberger and K. Wodkiewicz, "Nonlocality of Free Atomic Wave Packet," *Physics Letters* A-321, 6, (2004).
- R. Demkowicz-Dobrzanski, Marek Ku, and K. Wodkiewicz, "Cloning of coherent states in a finite dimensional space," *Phys. Rev. A*, 012301 (2004).
- S. Daffer, K. Wodkiewicz, J. D. Cresser and J. K. McIver, "Depolarizing channel as a completely positive map with memory," *Phys. Rev.*, 010304(R) (2004).
- S. Daffer, K. Wodkiewicz, J. K. McIver, "Bloch Equations and Completely Positive Maps," J. Mod. Optics, 1843 (2004).
- C. M.Caves and K. Wodkiewicz, "Classical phase-space descriptions of continuous-variable teleportation," *Phys. Rev. Lett.*, 040506 (2004).
- C. M. Caves and K. Wodkiewicz, "Fidelity of Gaussian Channels," *Open Systems and Information Dynamics* 309 (2004).

Political Science

Atkeson, Lonna R.

Book Review: "Models of Voting in Presidential Elections: The 2000 US Election," edited by Herbert Weisberg and Clyde Wilcox. *Perspectives on Politics* 2 (4): 860-861 2004.

Butler, Christopher K.

"The Conflict Behavior of Authoritarian Regimes," co-authored with Mark Peceny. *International Politics* 41 (4): 565-581.

"Modeling Compromise at the International Table," *Conflict Management and Peace Science* 21 (3): 159-177 Fall 2004.

"Endogenizing Conflict Initiation: Flinching and Fighting at Global High Noon," *Journal of Peace Research* 41 (1): 47-63 January 2004.

Garcia, F. Chris

"New Mexico Hispanos in the 2000 General Elections," *Muted Voices: Latinos and the 2000 Elections*. Edited by Rodolfo O. de la Garza and Louis DeSipio, co-authored with Christine M. Sierra. Rowan and Littlefield, 2004, pp. 101-129.

Gleason, Gregory W.

"Stability and Change in Central Asia," *Exploring Subregional Conflict: Opportunities for Conflict Prevention*. Chandra Lekha Sriram and Zoe Nielsen, eds., Boulder, CO: Lynne Rienner Publishers, 2004, pp. 55-92.

"Uzbekistan," *Nations in Transit 2004: Democratization in East Central Europe and Eurasia.* Alexander Motyl and Amanda Schnetzer, New York: Rowman and Littlefield, 2004, pp. 648-665.

"Political Reform Strategies: Early Starters, Late Starters and Non-Starters," *In the Tracks of Tamerlane*. Daniel Burghardt,. Washington DC: National Defense University Press, 2004, pp. 43-63.

"State Building in the Face of Insurgent Islam," *The Global War on Terror*. Richard Friedberg, Ashley Tellis, and Michael Wills, eds., Seattle: National Bureau of Asian Research, 2004, pp. 199-225.

- "The Reintegration of Eurasia: Functional Theory and Inter-state Policy Coordination," *Post-Communist Countries in the Globalizing World*. Konstantin Khudoley, ed., St. Petersburg: St. Petersburg University Press, 2004, pp. 54-68.
- "Central Asia: Ancient Societies and the New Millennium," *Challenges for Education in Central Asia.* Stephen P. Heyneman and Alan J. DeYoung, eds., Greenwich CT: Information Age Publishing, Inc., 2004, pp. 11-20.
- "Turkmen Leader Emphasizes Central Asian Unity in Gas Price Bid." *The Analyst*. SAIS Institute for the Study of Central Asia and the Caucasus, December 15, 2004.
- "Uzbek-Tajik Transit Dispute Threatens Regional Economic Cooperation," *Eurasia Daily Monitor*. Volume 1 Issue 134, November 24, 2004.
- "Turkmenistan: 10 Years Later," RFE/RL Feature Article. November 12, 2004.
- "Turkmenistan's Neutrality and Russia's New Southern Policy," *Eurasia Daily Monitor*. Volume 1 Issue 120, November 4, 2004.
- "Financing Russia's Central Asian Expansion," *The Analyst*. SAIS Institute for the Study of Central Asia and the Caucasus, November 3, 2004.
- "Kazakhstan Parliamentary Leader Resigns in Protest," *Eurasia Daily Monitor*. Volume 1 Issue 108, October 19, 2004.
- "Russian Companies Propose Debt-Equity Swaps In Central Asia," *Eurasia Daily Monitor*. Volume 1 Issue 108, October 19, 2004.
- "Russian Companies Propose Debt-Equity Swaps In Central Asia," *Eurasia Daily Monitor*. Volume 1 Issue 108, October 19, 2004.
- "Central Asian States Close Ranks with Russia," *The Analyst*. SAIS Institute for the Study of Central Asia and the Caucasus, July 1, 2004.
- "Rubric of Reform in Muslim Central Asia," Co-authored with Bruce J. Perlman. *PA Times.* Volume 27 No. 8, pp. 8-9. August 2004.

Goldfrank, Benjamin

The Left in the City: Participatory Local Governments in Latin America, co-edited with Daniel Chavez. London: Latin American Bureau and Transnational Institute, 2004.

"The Difficulties of Deepening Democracy: La Causa R Meets Caracas the Horrible," In *The Left in the City: Participatory Local Governments in Latin America*. London: Latin American Bureau and Transnational Institute, 2004.

"Conclusion: The End of Politics or a New Beginning for the Left?" In *The Left in the City: Participatory Local Governments in Latin America*. London: Latin American Bureau and Transnational Institute, 2004.

La izquierda en la ciudad: Participación en los gobiernos locales de América Latina. Spanish edition. Barcelona: Icaria and Transnational Institute, 2004.

Hansen, Wendy L.

"Corporate Activity or Inactivity in National Politics: The 1999-2000 Election Cycle," Co-authored with Neil J. Mitchell and Jeffrey Drope. *Political Research Quarterly*. September 2004.

"Purchasing Protection? The Effect of Political Spending on U.S. Trade Policy," with Jeffrey Drope. *Political Research Quarterly*. 57: 1 March 2004.

Harris, Fred

"We Don't Have Time to Despair," in Alan Curtis, ed., *Patriotism*, *Democracy*, and *Common Sense*. Boulder: Rowman and Littlefield, 2004.

"Mexico," Co-authored with Martin C. Needler. In Jan Knippers Black, ed., *Latin America, Its Problems and Its Promise.* Boulder: Westview Press, 2004.

Krebs, Timothy B.

Book Review: The Urban Voter: Group Conflict and Mayoral Voting Behavior in American Cities, by Karen M. Kaufmann. Perspectives on Politics. 2: 596-597 2004.

Mitchell, Neil J.

Agents of Atrocity: Leaders, Followers, and the Violation of Human Rights in Civil War. Palgrave Macmillan 2004.

"Foreign and Domestic Policy Belief Structures in the US and Britain," co-authored with Hank Jenkins-Smith and Kerry Herron. *Journal of Conflict Resolution*. 48: June 2004.

"Democracy and Human Rights in the Mexican States: Elections or Social Capital," coauthored with Caroline Beer. *International Studies Quarterly*. 48: June 2004. "Collective Action, Pluralism, and the Legitimacy Tariff: Corporate Activity or Inactivity in Politics," co-authored with Wendy Hansen and Jeffrey Drope. *Political Research Quarterly*. September 2004.

"Compound Democracy and the Control of Corruption: A Cross-Country Investigation," co-authored with Alok K. Bohara and Carl F. Mittendorff. *Policy Studies Journal*. November 2004.

"Business Interests and Politics: An Overview." In *Research Guide to U.S. and International Interest Groups.* Edited by Clive S. Thomas. Westport, CT: Praeger 2004, pp. 203-205.

Peceny, Mark J.

"The Conflict Behavior of Authoritarian Regimes," co-authored with Chris Butler. *International Politics* 41 (4): 565-581.

Sierra, Christine M.

"Latinos," in *Research Guide to U.S. and International Interest Groups*. Edited by Clive S. Thomas. Westport, CT: Praeger, 2004, pp. 237-238.

"New Mexico Hispanos in the 2000 General Elections," *Muted Voices: Latinos and the 2000 Elections*. Edited by Rodolfo O. de la Garza and Louis DeSipio, co-authored with F. Chris Garcia. Rowan and Littlefield, 2004, pp. 101-129.

Psychology

Bulter, Karin M.

Butler, K. M., McDaniel, M. A., Dornburg, C. C., Price, A. L., and Roediger, H. L., III. (2004). Age differences in veridical and false recall are not inevitable: The role of frontal lobe function. *Psychonomic Bulletin & Review*, 11(5), pp. 921-925.

Ciesielski, Kristina T.

Ciesielski, K.T., Harris, R. J., and Cofer, L. F. (2004). Posterior brain ERP patterns related to the go/no-go task in children. *Psychophysiology*, 41, pp. 882-892.

Hill, D. E., Ciesielski, K.T., Hart, B. L., and Jung, R. E. (2004). MRI morphometric and neuropsychological correlates of long-term memory in survivors of childhood leukemia. *Medical & Pediatric Oncology*, 42, pp. 611-617.

Erickson, Sarah J.

Erickson, S.J., and Achilles, G. (2004). Cognitive behavioral therapy with children and adolescents. In H. Steiner (Ed.). *The Stanford University School of Medicine Handbook of Mental Health Interventions in Children and Adolescents: An Integrated Developmental Approach*. New York, NY: Jossey-Bass.

Erickson, S.J., and Palmer, L. (2004). Group therapy with children and adolescents. In H. Steiner (Ed.). *The Stanford University School of Medicine Handbook of Mental Heath Interventions in Children and Adolescents: An Integrated Developmental Approach.* New York, NY: Jossey-Bass.

Feeney, Dennis M.

Feeney, D.M., De Smett, A., and Rai, S. (2004). Noradrenergic modulation of hemiplegia: Facilitation and maintenance of recovery. Invited review in *Restorative Neurology & Neuroscience*, 22, 175-190.

Gangestad, Steven W.

Gangestad, S.W., Simpson, J.A., Cousins, A.J., Garver-Apgar, C.E., and Christensen, P.N. (2004). Women's preferences for male behavioral displays change across the menstrual cycle. *Psychological Science*, 15, 203-207.

Gangestad, S.W., and Thornhill, R. (2004). Female multiple mating and genetic benefits in humans: Investigations of design. In P.M. Kappeler and C.P. van Schaik (Eds.). Sexual Selection in Primates: New and Comparative Perspectives. Cambridge, UK: Cambridge University Press.

Goldsmith, Timothy E.

Trumpower, D. L., and Goldsmith, T. E. (2004). Structural enhancement of learning. *Contemporary Educational Psychology*, 29, 426-446.

Hodge, Gordon K.

Hodge, G. K., and Sternberg. R. (2004). Unifying Psychology. CD-ROM to accompany Robert Sternberg's *Psychology: In Search of the Human Mind*, 4th ed. Belmont, CA: Wadsworth/Thomson Learning.

McDaniel, Mark A.

Einstein, G. O., and McDaniel, M. A. (2004). *Memory fitness: A guide for successful aging*. New Haven, CT: Yale University Press.

Hochstein, D. D., McDaniel, M. A., and Nettleton, S. (2004). Recognition of vocabulary in children and adolescents with cerebral palsy: A comparison of two speech coding schemes. *Augmentative and Alternative Communication*, 20, 45-62.

Kliegel, M., Martin, M., McDaniel, M. A., and Einstein, G. O. (2004). Importance effects in event-based prospective memory tasks. *Memory*, 12, 553-561.

McDaniel, M. A., Einstein, G. O., Graham, T., and Rall, E. (2004). Delaying execution of intentions: Overcoming the costs of interruptions. *Applied Cognitive Psychology*, 18, 533-547.

McDaniel, M. A., Guynn, M. J., Einstein, G. O., and Breneiser, J. (2004). Cue-focused and reflexive-associative processes in prospective memory retrieval. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 605-614.

McNamara, D. S., and McDaniel, M. A. (2004). Suppressing irrelevant information: Knowledge activation or inhibition? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 465-482.

McDaniel, M. A., and Einstein, G. O. (2004). Material appropriate difficulty: A framework for determining when difficulty is desirable for improving learning. In A. F. Healy (Ed.). *Experimental cognitive psychology and its applications*. Washington, DC: American Psychological Association. Pp. 73-85.

Miller, Geoffrey F.

Shaner, A., Miller, G., and Mintz, J. (2004). Schizophrenia as one extreme of a sexually selected fitness indicator. *Schizophrenia Research*, 70, 101-109.

Miller, William R.

Miller, W. R. (Ed.). (2004). Combined behavioral intervention: A clinical research guide for therapists treating individuals with alcohol abuse and dependence. COMBINE Monograph Series, (Vol. 1). Bethesda, MD: National Institute on Alcohol Abuse and Alcoholism, Public Health Service, U.S. Dept of Health and Human Services, DHHS No. 04-5288.

Miller, W. R. (2004). Motivational interviewing in the service of health promotion. Art of Health Promotion in American Journal of Health Promotion, 18 (3), 1-10.

Miller, W. R. (2004). The phenomenon of quantum change. *Journal of Clinical Psychology: In Session*, 60 (5), 453-460.

Miller, W. R., and Delaney, H. D. (Eds.). (2004). *Judeo-Christian perspectives on psychology: Human nature, motivation, and change*. Washington, DC: American Psychological Association.

Miller, W. R., and MuZoz, R. F. (2004). Controlling your drinking. New York: Guilford Press.

Miller, W. R., and Thoresen, C. E. (2004). Spirituality, health, and the discipline of psychology. *American Psychologist*, 59, 54-55.

Miller, W. R., Yahne, C. E., Moyers, T. B., Martinez, J., and Pirritano, M. (2004). A randomized trial of methods to help clinicians learn motivational interviewing. *Journal of Consulting and Clinical Psychology*, 72, 1050-1062.

Moyers, T. B., Martin, T., Manuel, J. K., Hendrickson, S. M. L., and Miller, W. R. (2004). Assessing competence in the use of motivational interviewing. *Journal of Substance Abuse Treatment*, 28, 19-26.

Ogle, R. L., and Miller, W. R. (2004). The effects of alcohol intoxication and gender on the social information processing of hostile provocations involving male and female provocateurs. *Journal of Studies on Alcohol*, 65, 54-62.

Pettinati, H. M., Weiss, R. D., Miller, W. R., Donovan, D., Ernst, D. B., and Rounsaville, B. J. (2004). *Medical Management (MM) treatment manual: A clinical research guide for medically trained clinicians providing pharmacotherapy as part of the*

treatment for alcohol dependence. COMBINE Monograph Series (Vol. 2). Bethesda, MD, National Institute on Alcohol Abuse and Alcoholism. DHHS No. 04-5289.

Smith, J. E., Meyers, R. J., and Miller, W. R. (2004). Take the network into treatment. *Drug and Alcohol Findings*, 10, 4-7.

Walker, D. D., Venner, K., Hill, D. E., Meyers, R. J., and Miller, W. R. (2004). A comparison of alcohol and drug disorders: Is there evidence for a developmental sequence of drug abuse? *Addictive Behaviors*, 29, 817-824.

Smith, Bruce W.

Zautra, A. J., Yocum, D. C., Villanueva, I., Smith, B., Davis, M. C., Attrep, J., and Irwin, M. (2004). Immune activation and depression in women with rheumatoid arthritis. *Journal of Rheumatology*, 31 (3), 457-63.

Smith, Jane E.

Smith, J. E., and Meyers, R. J. (2004). *Motivating substance abusers to enter treatment:* Working with family members. New York: Guilford Press.

Smith, J. E., Meyers, R. J., and Miller, W. R. (2004). Take the network into treatment. *Drug and Alcohol Findings*, 10, 4-7.

Tang, Akaysha C.

Tang, A. C., and Reeb, B. C. (2004). Neonatal novelty exposure, dynamics of brain asymmetry, and social recognition memory. *Developmental Psychobiology*, 44, 84-93.

Akers, K. G., Reeb, B. C., and Tang, A. C. Tang. (2004). Developmentally stable sex-dependent modulation of turning asymmetry by neonatal novelty exposure. *Behavioural Brain Research*, 155, 257-263.

Tesche, Claudia D.

Tesche, C. D. (June 2004). SQUIDs from physics to brain research. *Journal Low Temperature Physics*, 135 (5-6), 773-791.

Bish, J. P., Martin, T., Houck, J., Ilmoniemi, R. J., and Tesche, C. (May 2004). Phase shift detection in thalamocortical oscillations using magnetoencephalography in humans. *Neuroscience Letters*, 362 (1), 48-52.

Verney, Stephen P.

Verney, S. P., Granolm, E., and Marshall, S. (2004). Pupillary responses during the visual backward masking task predict cognitive ability. *International Journal of Psychophysiology*, 52, 23-36.

Granholm, E., and Verney, S. P. (2004). Pupillary responses and attentional allocation on the visual backward masking task in schizophrenia. *International Journal of Psychophysiology*, 52, 37-52.

Minassian, A., Perry, W., Granholm, E., and Verney, S. P. (2004). Visual task-evoked pupillary dilation in schizophrenia: complex versus simple tasks and relationship to thought disturbance. *International Journal of Psychophysiology*, 52, 53-62.

Witherington, David C.

Lillard, A.S., and Witherington, D. C. (2004). Mothers' behavior modifications during pretense and their possible signal value for toddlers. *Developmental Psychology*, 40, 95-113.

Yeater, Elizabeth A.

Yeater, E. A., Naugle, A. E., O'Donohue, W. T., and Bradley, A. R. (2004). Sexual assault prevention with college-aged women: A bibliotherapy approach. *Violence and Victims*, 19.

Yeo, Ronald A.

Driscoll, I., Hamilton, D. A., Petropoulos, H., Yeo, R. A., Brooks, W. M., Baumgartner, R. N., and Sutherland, R. J. (2004). The aging hippocampus: Cognitive, biochemical and structural variations. *Cerebral Cortex*, 13, 1344-1351.

Haier, R. J., Jung, R. E., Yeo, R. A., Head, K., and Alkire, M. T. (2004). Structural brain variation and general intelligence. *NeuroImage*, 23, 425-433.

Thoma, R. J., Yeo, R. A., Gangestad, S. W., Halgren, E., Sanchez, N. M., and Lewine, J. D. (2004). Cortical volume and developmental instability are independent predictors of general intellectual ability. *Intelligence*, 33, 27-38.

Sociology

Broidy, Lisa M.

Cauffman, E., A. Piquero, L. M. Broidy, D. Espelage, and P. Mazerolle. 2004. Heterogeneity in the association between social-emotional adjustment profiles and deviant behavior among male and female serious juvenile offenders. *International Journal of Offender Therapy and Comparative Criminology* 48: 235-252.

Crandall, C., P. Jost, L. M. Broidy, G. Daday, and D. Sklar. 2004. Previous Emergency Department Use Among Homicide Victims and Offenders: A Case Control Study. *Annals of Emergency Medicine* 44: 646-655.

Hunnicutt, G. and L. M. Broidy. 2004. Liberation and economic marginalization: A reformation and test of (formerly?) competing models. *Journal of Research in Crime and Delinquency* 41: 130-155.

Burris, Beverly H.

Burris, Beverly H. 2004. Book Review: Globalization and Its Discontents: Qualitative Research on the Second Industrial Divide." Qualitative Sociology 27 (1): 117-121.

Gonzales, Phillip B.

Gonzales, Phillip B. 2004. "La Junta de Indignación." In *Encyclopedia of the Great Plains* edited by David J. Wishart. University of Nebraska.

Gonzales, Phillip B. 2004. Review of Racism on Trial: The Chicano Fight for Justice. In American Journal of Sociology 109 (5): 1213-1215.

Ibarra, Robert A.

Ibarra, Roberto. 2004. Academic Success and the Latino Family," *Creating Alternative Discourses in the Education of Latinos and Latinas*. Edited by Raul Ybarra and Nancy López. New York, NY: Peter Lang. pp. 113-132.

Li, Y., A. S. Cohen, and R. A. Ibarra. 2004. Characteristics of Mathematics Items Associated with Gender DIF. *International Journal of Testing*. 4 (2): 115-136.

López, Nancy

López, Nancy. 2004. Latina and Latino Education: Rearticulating Discourse, Pedagogies and Praxis. In *Creating Alternative Discourses in the Education of Latinos and Latinas: A Reader* edited by Raul Ybarra and Nancy Lopez. New York: Peter Lang. pp 221-231.

López, Nancy. 2004. A Review of Gender in Latin America. In Contemporary Sociology 33 (3): 294-295.

López, Nancy. 2004. Transnational Changing Gender Roles: Second-Generation Dominicans in New York City. In *Transnational Perspectives on Dominican Migration* edited by Ernesto Sagas and Sintia E. Monlina. Gainesville, FL: University of Florida Press.

López, Nancy. 2004. Unraveling the Race-Gender Gap in Education: Second-Generation Dominican Mens High School Experiences. In *Becoming New Yorkers: Ethnographies of the New Second Generation* edited by Philip Kasinitz, John Mollenkopf and Mary Waters. New York: Russell Sage Foundation.

Ybarra, Raul and Nancy López, editors. 2004. Creating Alternative Discourses in the Education of Latinos & Latinas: A Reader. New York: Peter Lang.

May, Philip A.

Gossage, J. Phillip and Philip A. May. 2004. Results from the Primary Caregiver Questionnaire, Wave I (Baseline Data: 2002-2003). *Laguna Free to Grow Initiative*. Albuquerque, NM: The University of New Mexico.

Gossage, J. Phillip, Ruthie Alexius, Pamela G. Monaghan-Geernaert, and Philip A. May. 2004. Peacemaking Ceremonies for Substance Abuse Treatment. In *Healing and Mental Health for Native Americans: Speaking in Red*, edited by Ethan Nebelkopf and Mary Phillps. New York: Altamira. pp. 127-136.

May, Philip A., J. Phillip Gossage, Mary White-Country, Karen Goodhart, Sara DeCoteau, Phyllis M. Trujillo, Wendy O. Kalberg, Denis L. Viljoen, H. Eugene Hoyme. 2004. Alcohol Consumption and Other Maternal Risk Factors for Fetal Alcohol Syndrome Among Three Distinct Samples of Women Before, During, and After pregnancy: The Risk is Relative. *American Journal of Medical Genetics* 127 (C): 10-20.

Useem, Bert

Useem, Bert. 2004. A Prison Sitting and Economic Development: Editorial Introduction. *Criminology and Public Policy* 3: 451-452.

Valdés, Nelson

Valdés, Nelson. 2004. "Cuba y la tecnologia de la información," Rebelion (Madrid). January 29.

Valdés, Nelson. 2004. "Cuba: Usuarios y proveedores de Internet," Cubarte (Habana) February 23.

Valdés, Nelson. 2004. "Presidential Succession: Legal and Political Contexts and Domestic Players," In *Cuban Socialism in a New Century: Adversity, Survival, and Renewal* edited by Max Azicri and Elsie Deal. Gainesville, FL: University Press of Florida.

Wadsworth, Tim

Wadsworth, Tim. 2004. "Industrial Composition, Labor Markets and Crime," *Sociological Focus* 37 (1): 1-24.

Wadsworth, Tim and Charis E. Kubrin. 2004. "Structural Factors and Black Interracial Homicide: A New Examination of the Causal Process," *Criminology* 42 (3): 647-671.

Wood, Richard L.

Flaherty, Mary Ann and Richard L. Wood. 2004. Faith and Public Life: Faith-Based Community Organizing and the Development of Congregations. New York: Interfaith Funders.

Spanish and Portuguese

Lamadrid, Enrique

"Music and U.S. Latino Identity: La música es nuestra bandera," In Nuestra Música: Music in Latino Culture/Smithsonian Folklife Festival Guide. Washington, D.C.: Smithsonian Institution, 2004: 41, 51.

"Nuevo México, ¿hasta cuándo?/New Mexico, How Much Longer?: Four Centuries of Historic Balladry," Corridos Exhibition. Museum of New Mexico Traveling Exhibits (TREX). Curator. 2004.

"Nuevo México, ¿hasta cuándo?: Anthology of New Mexico Ballads," Washington, D.C.: Smithsonian Institution, 2004. Producer, recorder, editor, annotator on Compact Disc, with bound notes and translations.

"Portrait in Sound of An Ancient Road: Stories and Songs of El Camino Real de Tierra Adentro, CDs Vol I-II" Santa Fe: Bureau of Land Management, 2004.

Lopez, Miguel

Book Review: *La novela naturalista de Federico Gamboa*, by Manuel Prendes Guardiola. *Revista Iberoamericana* 70.206 (2004): 298-99.

Maloof, Judy

"La mirada femenina y la creación de nuevos espacios: *Danzón* de María Novaro." *Grafemas*, (Electronic Journal of the Asociación Internacional de Literatura Hispánica) August 2004, 14 pp.

Book Review: Carmen's Rust, by Ana María del Río, Letras Femeninas, Vol. 30, No. 2 (Winter 2004): 192-193.

McKnight, Kathryn J.

"Confronted Rituals: Spanish Colonial and Angolan 'Maroon' Executions in Cartagena de Indias (1634)." *Journal of Colonialism and Colonial History* 5.3 (2004).

Editor, Journal of Colonialism and Colonial History 5.3 (2004).

Milleret, Margo

Latin American Women On/In Stages. Albany, NY: State University of New York Press; 263 pages, October 2004.

Book Review: *The Archive and the Repertoire: Performing Cultural Memory in The Americas*; Diana Taylor; *Theatre Journal*; Volume 56; Number 3; pp. 520-521; October 2004.

Torres Cacoullos, Rena

"Mi dad hablaba mexicano": ¿Préstamos o alternancias de códigos? *Actas XIII Congreso Internacional Asociación de Lingüística y Filología de América Latina (ALFAL)* 2002, Victor M. I. Sánchez Corrales (ed.), 2004. pp. 455-462. San Juan, Costa Rica. Coauthor: Neddy A. Vigil.

Travis, Catherine

The ethnopragmatics of the diminutive in conversational Colombian Spanish. *Intercultural Pragmatics*. 1 (2): 249-274.

Speech and Hearing Sciences

Neel, Amy T.

Neel, A.T. (2004). Formant detail needed for vowel identification. *Acoustics Research Letters Online*, 5, 125-131.

Patterson, Janet L.

Patterson, Janet L. (2004). Comparing bilingual and monolingual toddlers' expressive vocabulary size: Revisiting Rescorla and Achenbach. *Journal of Speech, Language and Hearing Research*, 47, 1213-1215.

Patterson, Janet L. and Pearson, Barbara Z. (2004). Bilingual Lexical Development: Influences, Contexts, and Processes. In B. Goldstein (Ed.), *Bilingual Language Development and Disorders in Spanish-English Speakers*. Baltimore, MD: Brookes. pp. 77-104.

Rodríguez, Barbara L.

Hammer, C. S., Miccio, A. M., and Rodríguez, B. L. (2004). Bilingual language acquisition and the child socialization process. In Goldstein, B. (Ed.). *Bilingual language development and disorders in Spanish-English speakers*. Baltimore, MD: Paul H. Brookes. pp. 21-50.

Rodríguez, B. L. (2004). Creencias: Mothers' beliefs about child rearing, education, and language impairment. *Word of Mouth*, 15, 4-7.

COLLEGE OF EDUCATION

Educational Leadership and Organization Learning

Boverie, Patricia

Boverie, P. B. and Kroth, M. (2004). Transforming Work: A Passion Transformation Model for Individuals and Organizations. Editors, Edmund O'Sullivan and Marilyn Taylor. *Learning toward Ecological Consciousness: Selected Transformative Practices*. Palgrave Macmillan, 149-163.

Bleyl, M. F. and Boverie, P. B. (2004). Transformative Rungs on Wisdom's Ladder. Editors, Edmund O'Sullivan and Marilyn Taylor. *Learning toward Ecological Consciousness: Selected Transformative Practices*. Palgrave Macmillan, 235-251.

DeMoss, Karen

DeMoss, Karen (March 2004). Political contexts and education finance litigation: Towards a methodology for comparative state-level analyses. In DeMoss and Wong, Eds. Money, Politics, and Law: Intersections and Conflicts in the Provision of Educational Opportunity. Annual Yearbook of the American Education Finance Association. NY: Eye on Education.

DeMoss, Karen and Kenneth Wong (March 2004). Introduction. In DeMoss and Wong, Eds. Money, Politics, and Law: Intersections and Conflicts in the Provision of Educational Opportunity. Annual Yearbook of the American Education Finance Association. NY: Eye on Education.

DeMoss, Karen and Kenneth Wong (March 2004). Money, Politics, and Law: Intersections and Conflicts in the Provision of Educational Opportunity. Annual Yearbook of the American Education Finance Association. NY: Eye on Education.

Gunawardena, Charlotte

Gunawardena, C.N., Jennings, B., Ortegano-Layne, L., Frechette, C., Carabajal, K., Lindemann, K., and Mummert, J. (2004). Building an online wisdom community: A transformational design model. *Journal of Computing in Higher Education*, 15(2), 40-62.

LaPointe, D.K. and Gunawardena, C.N. (2004). Developing, testing and refining of a model to understand the relationship between peer interaction and learning outcomes in computer-mediated conferencing. *Distance Education*, 25(1), 83-106.

Gunawardena, C.N. and McIsaac, M.S. (2004). Distance education. In D. Jonassen (Ed.), *The Handbook of research on education communications and technology*, 2nd Ed. (pp. 355-395) Mahwah, NJ: Lawrence Erlbaum Associates.

Gunawardena, C.N. (2004). The Challenge of Designing Inquiry-based Online Learning Environments: Theory into Practice. In T. Duffy and J. Kirkley (Eds.), Learner centered theory and practice in distance education: Cases from higher education (pp. 143-158). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Preskill, Hallie

Preskill, H. and Russ-Eft, D. Building evaluation capacity: 72 activities for teaching and training. Thousand Oaks, CA: Sage Publications.

Torres, R.T, Preskill, H. and Piontek, M.E. Evaluation strategies for communicating and reporting: Enhancing learning in organizations. Thousand Oaks, CA: Sage Publications.

Preskill, H. The transformational power of evaluation: Passion, purpose and practice. In M. Alkin (Ed.) *Evaluation Roots*. Thousand Oaks, CA: Sage Publications.

Preskill, Steve

Ella Baker, the Fundi of the American Civil Rights Movement, Women Advancing through Leadership, Fall 2004.

Educational Specialties

Barrera, Isaura

Barrera, I. (2004). Honoring differences. In E. Horn, M. Ostrosky, and H. Jones (Eds.). *Family-Based Practices*: Monograph 5 in the *Young Exceptional Children*. Monograph Series, Longmont, CO: Sopris West.

Blalock, Ginger

Yzquierdo, Z., Blalock, G., and Torres-Velasquez, D. (2004). Language appropriate assessment for eligibility for special education services. *Assessment for Effective Intervention*, 29 (2), 17-30.

Brinkerhoff, Jonathan D.

Brinkerhoff, J., and Glazewski, K. (2004). Support of expert and novice teachers within a technology enhanced problem-based learning unit: A case study. *International Journal of Learning Technology*, 1(2), 219-230.

Copeland, Susan

Copeland, S.R., Hughes, C., Carter, E.W., Guth, C., Presley, J.A., Williams, C.R., and Fowler, S.E. (2004). Increasing access to general education: Perspectives of participants in a high school peer support program. *Remedial and Special Education*, 26, 332-352.

Hughes, C., Fowler, S. E., Copeland, S.R., Agran, M., and Wehmeyer, M. L. (2004). Supporting high school students to engage in recreational activities with peers. *Behavior Modification*, 28, 3-27.

Scherba de Valenzuela, Julia

de Valenzuela, J. S., and Niccolai, S. L. (2004). Language development in culturally and linguistically diverse students with special education needs. In L. Baca and H. Cervantes (Eds.), *The bilingual special education interface* (4th ed., pp. 125-161). Upper Saddle River, NJ: Merrill.

Keefe, Elizabeth

Keefe, E. B., Moore, V., and Duff, F. (2004). The four "knows" of collaborative teaching. *Teaching Exceptional Children*, 36 (5), 36-42.

Keefe, E. B., and Moore, V. (2004). The challenge of co-teaching in inclusive classrooms at the high school level: What the teachers told us. *American Secondary Education*, 32 (3), 77-88.

Moore, V., and Keefe, E. B. (2004). Don't get your briefs in a bunch: What high school students with disabilities have to say about where they receive their services. *Issues in Special Education*, 13 (1), 7-18.

Kitchen, Richard

Kitchen, R.S. (2004). Challenges associated with developing discursive classrooms. *Mathematics Teacher*, 97, 1.

Kitchen, R.S., and DePree, J. (2004). Examining prospective teachers' understanding of proportional reasoning. *Journal of the American Mathematics Association of Two-Year Colleges*, 25, 2.

Kitchen, R.S., and Wilson, L.D. (2004). Lessons learned from students about assessment and instruction. *Teaching Children Mathematics*, 10, 8, 394-399.

Lampela, Laurel

Book Review: Of Beyond diversity day: A Q&A on gay and lesbian issues in schools. Teachers College Record, (2004).

Luckasson, Ruth

Lockner, D.W., and Luckasson, R. (2004). Cooking in classrooms: A potential food safety risk? *Developmental Issues*. Dietetics in Developmental and Psychiatric Disorders, 22 (4), 1, 3-6.

Schalock, R.L., and Luckasson, R. (2004). The 2002 AAMR Definition, Classification, and Systems of Supports and its relation to international trends and issues in the field of intellectual disabilities. *Journal of Policy and Practice in Intellectual Disabilities*, 1(3-4), 136-146.

Moore, Veronica

Keefe, E.B., and Moore, V. (2004). The challenge of co-teaching in inclusive classrooms at the high school level: What the teachers told us. *American Secondary Education*, 32 (3), 77-88.

Keefe, E.B., Moore, V., and Duff, F. (2004). The four knows of collaborative teaching. *Teaching Exceptional Children*, 36 (5), 36-42.

Moore, V., and Keefe, L. (2004). Don't get your briefs in a bunch: What high school students with disabilities have to say about where they receive their services. *Issues in Teacher Education*, 13 (1), 7-18.

Individual, Family and Community Education

Armstrong, Jan

Armstrong, J. (2004). Review of *The trouble with community: Anthropological reflections on movement, identity and collectivity.* Vered Amit and Nigel Rapport, Pluto Press.

Armstrong, J. (September 2004). Review of *Making race visible: Literacy research for cultural understanding*. Stuart Greene and Dawn Abt-Perkins, editors, Teachers College Press. *Choice: Current Reviews for Academic Libraries*, *Social and Behavioral Sciences*, 42.

Armstrong, J. (June 2004). Review of *Poor Latino families and school preparation: Are they doing the right thing?* William A. Sampson, Scarecrow Press. *Choice: Current Reviews for Academic Libraries, Social and Behavioral Sciences*, 41.

Atencio, David

Atencio, D.J. (2004). Structured autonomy or guided participation? Constructing interest and understanding math lab activity. *Early Childhood Education Journal*, 31, 233-239.

Conn, Carole

Glew, R.H., Conn, C.A., VanderJagt, T., Calvin, C., Obadofin, M, Crossey, M., Sundbar O., and VanderJagt, D.J. Risk factors for cardiovascular disease and diet of urban and rural dwellers in northern Nigeria. *Journal of Health, Population and Nutrition*, 22 (4): 357-369, 2004.

Conn, C.A. Translating trans fats. IDEA Health & Fitness Source, 22 (2): 34-39, 2004.

Flowerday, Terri

Flowerday, T., Schraw, G. and Stevens, J. (2004). The role of choice and interest in reader engagement. *Journal of Experimental Education*, 72, 93-114.

Gutierrez-Gomez, Cathy

Gutierrez-Gomez, C. and Duarte, G. (May/June 2004). Appropriate assessment practice in culturally and linguistically diverse classrooms. Washington, D.C.: *NABE NEWS*, *National Association for Bilingual Education News Magazine*.

Duarte, G., and Gutierrez-Gomez, C. (2004 March/April). Best practices in bilingual early childhood classrooms. Washington, D.C.: *NABE NEWS*, *National Association for Bilingual Education News Magazine*.

Lockner, Donna

Sisk, E., Lockner, D.W., Wold, R., Waters, D. Garry, P., and Baumgartner, R.N. (2004). The impact of folic acid fortification of enriched grains on an elderly population: The New Mexico Aging Process Study, *Journal of Nutrition, Health and Aging*, 8(3), 140-143.

Lockner, D.W., and Luckasson, R. (2004). Cooking in classrooms: A potential risk? *DevelopMental Issues*, 22(4), 1-8.

Moreno, Roxana

Moreno, R. (2004). Decreasing cognitive load for novice students: Effects of explanatory versus corrective feedback on discovery-based multimedia. *Instructional Science*, 32, 99-113.

Moreno, R. (2004). Animated pedagogical agents in educational technology. *Educational Technology*, 44 (6), 23-30.

Moreno, R. and Duran, R. (2004). Do multiple representations need explanations? The role of verbal guidance and individual differences in multimedia mathematics learning. *Journal of Educational Psychology*, 96, 492-503.

Moreno, R. and Mayer, R.E. (2004). Personalized messages that promote science learning in virtual environments. *Journal of Educational Psychology*, 96, 165-173.

Moreno, R. (2004). Immersive agent-based multimedia environments: Identifying social features for enhanced learning. In H.M. Nigermann, F.D. Leutner, and R. Brünken (Eds.), *Instructional design for multimedia learning* (pp. 9-18). Münster: Waxmann.

Scherer, David

Annett, R.D., Brody, J.L., Scherer, D.G., Perkett, E.A. (2004). Perceived risk associated with asthma research procedures among children, parents, and pediatricians. *Journal of Asthma and Clinical Immunology*, 114, 1138-1145.

Brody, J.L., Annett, R.D., and Scherer, D.G. (2004). Comparison of adolescent and parent willingness to participate in minimal and above-minimal risk pediatric asthma research protocols. *America Journal of Respiratory and Critical Care Medicine*, 169 (7), A255.

Scherer, D.G., Brody, J.L. and Annett, R.D. (2004). Adolescent, parent and physician influence on participation decision-making in asthma research. *American Journal of Respiratory and Critical Care Medicine*, 169 (7), A255.

Annett, R.D., Brody, J.L. and Scherer, D.G. (2004). Perceptions of risk associated with asthma research procedures among children, parents, and pediatricians. *American Journal of Respiratory and Critical Care Medicine*, 169 (7), A255.

Stevens, Joseph

Floweday, T., Schraw, G., and Stevens, J.J. (2004). The Role of Choice and Interest in Reader Engagement. *Journal of Experimental Educations*, 72 (2), 93-114.

Stueve, Jeffrey

Pleck, J.H., and Stueve, J.L. (2004). A narrative approach to paternal identity: The importance of parental identity "conjointness" In R. Day and M.E. Lamb (Eds.), *Reconceptualizing and Measuring Father Involvement*. Mahwah, NJ: Lawrence Erlbaum Associates. pp. 83-107.

Stueve, J.L. (2004). Fatherhood and contemporary songs. *New Mexico Fatherhood Initiative Partnerships Newsletter*, 2 (1), 3.

Language, Literacy and Sociocultural Studies

Allen, Ricky Lee

Allen, R. L. (2004). Whiteness and critical pedagogy. *Educational Philosophy and Theory*, 36(2), 121-136.

Celedon-Pattichis, Sylvia

Celedón-Pattichis, S. (2004). Alternative secondary mathematics programs for migrant students: Cultural and linguistic considerations. In C. Salinas, and M. E. Fránquiz (Eds.), *Scholars in the field: The challenges of migrant education* (pp. 195-208). Charleston, WV: ERIC Clearinghouse on Rural Education and Small Schools at AEL.

Celedón-Pattichis, S. (2004). Rethinking policies and procedures for placing English language learners in mathematics. *NABE Journal of Research and Practice*, 2 (1), 176-192.

Celedón-Pattichis, S. (2004). Research findings involving English-language learners and implications for mathematics teachers. In M. F. Chappell, J. Choppin, and J. Salls (Eds.), *Empowering the beginning teacher of mathematics: High school* (pp. 45-46). Reston, VA: National Council of Teachers of Mathematics.

Celedón-Pattichis, S. (2004). Research findings involving English-language learners and implications for mathematics teachers. In M. F. Chappell and T. Pateracki (Eds.), *Empowering the beginning teacher of mathematics: Middle school* (pp. 47-48). Reston, VA: National Council of Teachers of Mathematics.

Celedón-Pattichis, S. (2004). Research findings involving English-language learners and implications for mathematics teachers. In M. F. Chappell, J. F. Schielack, and S. Zagorski (Eds.), *Empowering the beginning teacher of mathematics: Elementary school* (pp. 45-46). Reston, VA: National Council of Teachers of Mathematics.

Meyer, R. J., Keyes, T., Pence, P., Celedon-Pattichis, S., Trinidad Galvan, R., and Poynor, L. (2004). Cracks in the wall? Initiating actions against federal policy. *Democracy and Education*, 15 (1), 45-51.

John-Steiner, Vera

Relational movements of the self. Aspects of the dialogical self. International Cultural-historical Human Sciences Series. Marie-Cecile Bertau (Ed.). Berlin: Lehmanns Media. (2004).

With Moran, S. How collaboration in creative work impacts identity and motivation. *Collaborative Creativity*. D. Miell, and K. Littleton (Eds.). London: Free Association Books. (2004).

Meyer, Lois

Meyer, L., Maldonado, B., Ortiz Ortega, R. and Garcia, V. (Eds). (2004). Entre la normatividad y la comunalidad: Experiencias educativas innovadores del Oaxaca indigena actual/Translated title: Between national standards and communal ways of life: Innovative educational experiences from indigenous Oaxaca today. Oaxaca, Mexico: *Fondo Editorial, IEEPO*.

Meyer, Richard

Meyer, R. (2004). When this 'reigh of truth' ends. *Talking Points*, 16 (1), 36-37.

Meyer, R. (Jan. 2004). Shifting to political action in literacy research and teacher education. *English Education*, 36 (2), 134-140.

Meyer, R., Keyes, T., Pence, P., Celedon-Pattichis, S., Trinidad Galvan, R., and Poynor, L. (2004). Cracks in the wall? Initiating Actions Against Federal Policy. *Democracy & Education* 15 (1), 45-51.

Meyer, R. (2004). Some facts about zines. Language Arts 82 (2), 131.

Meyer, R. (2004). What does Freirian dialogue look like in the classroom? *Language Arts* 82 (1), 66.

Meyer, R. (2004). Class-sensitive approaches to literacy. Language Arts 81 (6), 467.

Meyer, R. (2004). Ethnographic stories of literacy. Language Arts 81 (5), 425.

Meyer, R. (2004). Children taking action outside the classroom. Language Arts 81 (4), 279.

Meyer, R. (2004). Censorship: When fantasy becomes nightmare. Language Arts 81 (3), 190.

Meyer, R. (2004). Rod Paige, Super Star. In K. Goodman, (Ed.), Saving our schools: The case for public education, saying no to 'No Child Left Behind.' Oakland, CA: RDR Books. pp. 101-103.

Physical Performance and Development

Griffin, Joy

Grappendorf, H., Lough, N. and Griffin, J. (2004). Profiles and career patterns of female NCAA Division I athletic directors. *International Journal of Sport Management*, 5 (3), 243-261.

Morgan, K. and Griffin, J. (2004). NAGWS: Core values thorough the years. *Women in Sport and Physical Activity Journal*. 13 (1), 5-7.

Book Review: Cajete, G. (2004). *Spirit of the Game* an Indigenous Wellspring. Kivaki Press. Skayard NC. (Jacket book cover.)

Kane, William M.

Kozel, C. Kane, W. Rogers, E. and Hammes M. (2004). Exploring Health Promotion Agenda Setting in New Mexico: Reshaping Health Promotion Leadership, *Health Promotion and Education*.

Quackenbush, M., Kane, W. and Telljohann, S. (2004). *Teach & Reach: Emotional and Mental Health*, ETR Associates.

Quackenbush, M., Kane, W. and Telljohann, S. (2004). *Teach & Reach: Nutrition & Physical Activity*, ETR Associates.

Quackenbush, M., Kane, W. and Telljohann, S. (2004). *Teach & Reach: Healthy Sexuality*, ETR Associates.

Quackenbush, M., Kane, W. and Telljohann, S. (2004). *Teach & Reach: Tobacco, Alcohol, & Other Drug Prevention*, ETR Associates.

Quackenbush, M., Kane, W. and Telljohann, S. (2004). *Teach & Reach: Violence and Injury Prevention*, ETR Associates.

Kane, W. and Telljohann, S. (2004). *HealthSmart Foundations: Middle School*, ETR Associates.

Kane, W. and Telljohann, S. (2004). *HealthSmart Foundations: High School*, ETR Associates.

Gonzalez-Caro, N., Kane, W., and Strang, L., (2004). *Health Facts: Violence and Injury*, ETR Associates.

Krantzler, N., and Kane, W. (2004). Health Facts: Tobacco, ETR Associates.

Strang, L., Krantzler, N., and Kane, W. (2004). *Health Facts: Alcohol & Other Drugs*, ETR Associates.

Strang, L., Krantzler, N., and Kane, W. (2004). *Health Facts: HIV & STD Prevention*, ETR Associates.

Strang, L., Gonzalez-Caro, N., and Kane, W. (2004). *Health Facts: Reproductive Health & Pregnancy Prevention*, ETR Associates.

Krantzler, N., and Kane, W. (2004). Health Facts: Nutrition and Physical Activity, ETR Associates.

Krantzler, N., and Kane, W. (2004). *Health Facts: Emotional & Mental Health*, ETR Associates.

Kane, W. (2004). Eliminating Health Disparities: Conversations with Pacific Islanders, ETR Associates.

Kane, W. (2004). Eliminating *Health Disparities: Conversations with Asian Americans*, ETR Associates.

Telljohann, S., Kane, W., and Quiroz, H. (2004). *HealthSmart Middle School Teachers Guide-Nutrition and Physical Activity*, ETR Associates

Telljohann, S., Kane, W., and Quiroz. (2004). *HealthSmart Middle School Teachers Guide-Emotional & Mental Health*, ETR Associates, Santa Cruz, CA.

Telljohann, S., Kane, W., and Quiroz. (2004) HealthSmart Middle School Teachers Guide-Tobacco, Alcohol Other Drug Prevention, ETR Associates.

Sabo, T., Telljohann, S., Kane, W., and Quiroz. (2004). *HealthSmart Middle School Teachers Guide-Changing Health Behaviors*, ETR Associates.

Telljohann, S., Lezsin, N., and Kane, W. (2004). *HealthSmart Middle School Teachers Guide-Abstinence and Puberty*, ETR Associates.

Telljohann, S., Lezsin, N., and Kane, W. (2004). *HealthSmart Middle School Teachers Guide-Preventing HIV, STD & Pregnancy*, ETR Associates.

Kane, W., Telljohann, S., and Quiroz, (2004). HealthSmart Middle School Teachers Guide-Preventing Violence & Injury, ETR Associates.

Chase, J., Kane, W., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Nutrition and Physical Activity*, ETR Associates.

Chase, J., Kane, W., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Emotional and Mental Health*, ETR Associates.

Chase, J., Kane, W., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Tobacco, Alcohol & Other Drug Prevention*, ETR Associates.

Sabo, T., Telljohann, S., and Kane, W. (2004). HealthSmart Middle School Teachers Guide-Changing Health Behaviors, *ETR Associates*.

Chase, J., Kane, W., Lezsin, N., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Abstinence and Puberty*, ETR Associates.

Chase, J., Kane, W., Lezsin, N., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Preventing HIV, STD & Pregnancy*, ETR Associates.

Chase, J., Kane, W., Telljohann, S. (2004). *HealthSmart Middle School Teachers Guide-Preventing Violence & Injury*, ETR Associates.

Kravitz, Leonard

Dalleck, L.C., Kravitz, L. and Robergs, R.A. (2004). Maximal exercise testing using the elliptical cross-trainer and treadmill, *Journal of Exercise Physiology Online*, 7, 84-101.

Akalan, C., Kravitz, L., and Robergs, R.A. (2004). VO2max: Essentials of the most widely used test in exercise physiology, ACSM's Health & Fitness Journal, 8 (3) 5-9.

Tekin K.A., and Kravitz, L. (2004). The growing trend of ergogenic drugs and supplements, ACSM's Health & Fitness Journal, 8 (2) 15-18.

Shedden, M. and Kravitz, L. (2004). Exercise and bone strength. *IDEA Personal Trainer*, 15 (5), 34-37.

Boutagy, T. and Kravitz, L. (2004). Periodization for personal trainers, *Australian Fitness Network*, 18 (2), 27-29.

Kravitz, L. (2004). The effect of concurrent training. *IDEA Personal Trainer*, 15 (3), 34-37.

Maes, J. and Kravitz, L. (2004). Training clients with arthritis. *IDEA Personal Trainer*, 15 (2), 27-31.

Shedden, M and Kravitz, L. (2004). Exercise-induced asthma. *IDEA Personal Trainer*, 15 (1), 37-39.

Vella, C.A., and Kravitz, L. (2004). Staying cool when your body is hot. *AKWA*, January issue, 16-17.

Kravitz, L. (2004). Structure and Function of the Muscular, Nervous, Skeletal Systems in NSCA Essentials of Personal Training. Eds. by Roger W. Earle and Thomas R. Baechle, Human Kinetics.

Lough, Nancy

Lough, N., Kim, A. (2004). Analysis of Socio-Motivations Affecting Spectator Attendance at Women's Professional Basketball Games in South Korea. *Sport Marketing Quarterly*, 13 (1), 35-42.

Grappendorf, J. Lough, N. and Griffin, J. (2004). An Examination of the Career Paths and Profiles of NCAA Division I Female Athletic Directors. *International Journal of Sport Management*, 5 (3), 243-261.

Sweeney, K., Lough, N., (2004). Career Salience and Family Commitment Among Division I Coaches. *National Association of Collegiate Women Athletic Administrators Newsletter*.

Napper-Owen, Gloria

Farrell, A., Thompson, S., and Napper-Owen, G. (2004). Southern California Elementary Physical Education Specialists and Non-Specialists: Beliefs and Behaviors of the Ideal Purpose and Actual Function of Elementary Physical Education. *California Journal of Health Promotion*, 2 (2), 28-40.

Robergs, Robert

Robergs, R.A., Ghiasvand, F., Parker, D., (2004). Biochemistry of exercise-induced metabolic acidosis. *American Journal of Physiol Regul Intefr Comp Physio.* 287: 502-516.

Akalan, C., Kravitz, L., and Robergs, R.A. (2004). VO2max: Essentials of the most widely used test in exercise physiology, ACSM's Health & Fitness Journal, 8 (3) 5-9.

Robergs, R.A. (2004). Editorial-Research ethics and the ACSM position stand on progression models in resistance training for health adults. *Journal of Exercise Physiology Online*, 7 (3).

Lance, C. Dalleck, L.C., Kravitz, L and Robergs, R.A. (2004). Maximal exercise testing using the elliptical cross-trainer and treadmill, *Journal of Exercise Physiology Online*, 7, 84-101.

Todd, A., Astorino, Ghiasvand F., Robergs, R.A. (2004). Acute hypoxia alters lactate threshold in chronic altitude residents, *Journal of Exercise Physiology Online*, 7 (2) 6-15.

Orri, J.C., Griffin S.E. Robergs R.A. James D.S. Wagner, D.R., Quintana, R. (2004). Intra-arterial blood pressure characteristics during submaximal cycling and recovery. *Journal of Exercise Physiology Online*, 7 (2) 45-54.

Schneider, Suzanne

Lee, S.M., Cobb, K., Loehr, J.A., Nguyen, D., Schneider, S. (2004). Food-ground reaction force during resistive exercise in parabolic flight, *Aviat Space Environ Med*, 75, 405-412.

Scott, David

Seidler, T., Scott, D., Hughes, S. (2004). Mississippi high school sports officials: Perceptions of misconduct and reported intent to terminate. *The Sport Coaching Journal*, 1 (1).

Goldfine, B., Gillentine, A., Phillips, D., Seidler, T., Scott, D. (2004). Prayer at School Athletic Events. *Strategies*, 18 (2).

Seidler, Todd

Seidler, T., Scott, D., Hughes, S. (2004). Mississippi high school sports officials: Perceptions of misconduct and reported intent to terminate. *The Sport Coaching Journal*, 1 (1).

Goldfine, B., Gillentine, A., Phillips, D., Seidler, T., Scott, D. (2004). Prayer at Athletic Events. *Strategies*, 18 (1), 13-15.

Seidler, T. (2004). Safe Facilities: The facility risk review. Safety Notes.

Wittenburg, David

Wittenburg, D., Moore, J. (2004). Partners in health-related fitness: Technology can promote self-regulating learning dispositions. *Curriculum and Technology Quarterly*, (14) 2, 4-6.

Wittenburg, D., Ferraro, R., Moore, J. (2004). An examination of body fat percentages and body mass index in children and adolescents across New Mexico-preliminary results from the partners in fitness program. *Obesity Research*, (12) 165.

Civil Engineering

Bogus, Susan, M.

Molenaar, Keith R., Bogus, Susan M., and Priestly, Jenny M. (2004). "Design/Build for Water/Wastewater Facilities: State of the Industry Survey and Three Case Studies." *ASCE Journal of Management in Engineering*, 20(1), 16-24.

Gerstle, Walter

Gerstle, W. and Sau, N., "Peridynamic Modeling of Concrete Structures," *Proceedings of the Fifth International Conference on Fracture Mechanics of Concrete Structures*, Li, Leung, Willam, and Billington, Eds. *Ia-FRAMCOS*, Vol. 2, pp. 949-956, 2004.

Maji, Arup

Malla R. and Maji A., (Eds.), Engineering, Construction and Operations in Challenging Environments, ASCE Publications, 2004.

Orozco A., and Maji A., "Energy Release in FRP Reinforced Concrete Beams," ASCE Journal of Composites in Construction, V8, No. 1, February 2004.

Maji A., Wegner P., and Rochin, "Surface Actuation of Lightweight Mirrors with Shape Memory Alloy," ASCE Journal of Aerospace Engineering, V17, No. 2, 2004.

Maji A., Wegner P., and Edwards A., "Evaluation of Composite Chambercore Structures and Short-Beam Shear Test," *Journal of Advanced Materials (SAMPE)*, V36, No. 3, 2004.

Maji A., et al, "Experimental Validation of CFD Analyses for Estimating the Transport Fraction of LOCA-Generated Insulation Debris to ECCS Sump Screens," *Nuclear Technology Journal*, V146, #3, June, 2004.

Maji A., Montemerlo P., and Ng T., "Shape Correction of Inflatable Membranes by Rigidization and Actuation," *AIAA Journal of Spacecrafts and Rockets*, V41, #4, July 2004.

Maji A., et al, "Separate Effects Tests to Qualify Debris Transport to the Sump Screen," *Proceedings of NRC/NEA International Workshop, LA-UR-03-4515*, February 2004.

Howe, et al, "Effects of Debris Generated by Chemical Reactions on Head Loss," *Proceedings of NRC/NEA International Workshop, LA-UR-03-4513*, February 2004.

Shaffer, et al, "Debris Accumulation and Head-Loss," *Proceedings of NRC/NEA Int. Workshop, LA-UR-03-4514*, February 2004.

Mahnke S. and Maji A., "Review of the Degradation of Composites in Medium Earth Orbit," *Proceedings of ASCE Space 2004*, March 2004.

Hochhalter J., Maji A., and Reicher D., "Process Induced Errors in Replicated Carbon Fiber Reinforced Polymer Mirrors," *Proceedings of ASCE Space 2004*, March 2004.

Patrick, et al, "Shape Memory Alloy and Clear Polymer Integration for First Surface Mirror Applications," *Proceedings of ASCE Space 2004*, March 2004.

Francis W., Lake M., Mallick K., Freebury G. and Maji A., "Testing and Analysis of an Elastic Memory Composite Hinge Actuator," *Proceedings of AIAA-SDM*, Palm Springs, CA, 2004.

Lips J. Maji A., Ng T., "Impact of Thermal Cycles on Deployment Accuracy of Elastic Memory Composites," *Proceedings of ASCE Space 2004*, March 2004.

Moore, et al, "Development of a One-meter Membrane Mirror with Active Boundary Control," *AM04-AM403-15*, *Proceedings of SPIE 49th Annual Meeting*, Denver, CO, August 2004.

Barett, et al., "Elastic Memory Composite Hinge (EMCH) Flight Experiment," *AIAA/ASME/ASCE/AHS*, *Proceedings of Space 2004 Conference*, August 2004, San Diego, CA.

Patrick, et al, "Progress on an Actively Controlled 1-meter Aperture Membrane Mirror System," *Proceedings of AIAA-2004-5884*, San Diego, CA, August 2004.

Roy, et al, "Lightweight and Cost Effective SiC Optical Structures," AIAA-2004-5995, Proceedings of AIAA Space 2004, San Diego, CA, August 2004.

Ng, Tang-Tat

Ng, T.-T. (2004). "Shear Strength of Assemblies of Ellipsoidal Particles." *Geotechnique*, 54(10).

Ng, T.-T. (2004). "Macro-and Micro-Behaviors of Granular Materials under different Sample Preparation Methods and Stress Paths," *International Journal of Solids and Structures*, 41(21).

- Ng, T.-T. (2004). "Behaviors of Ellipsoids of Two-size," *Journal of Geotechnical and Geo-environmental Engineering, ASCE*, 130(10).
- Ng, T.-T. (2004). "Triaxial Simulations using DEM with Hydrostatic Boundaries," *Journal of Engineering Mechanics, ASCE*, 130(10).
- Maji, A., Montemerlo, P. and Ng, T.-T. (2004). "Shape Correction of Inflatable Membranes by Rigidization and Actuation," *AIAA Journal of Spacecraft and Rockets*, 41(4), 558-563.
- Ng, T.-T. (2004). "The Effect of Damping in Discrete Element Simulations," *CD-Rom Proceedings of 17th ASCE Engineering Mechanics Conference*, June 13-16, 2004, Newark, DE.
- Hu, C., Ng, T.-T. and Altobelli, S. (2004). "Void Distributions in Samples of Ottawa Sands," *CD-Rom Proceedings of 17th ASCE Engineering Mechanics Conference*, June 13-16, 2004, Newark, DE.
- Lips, J., Ng, T.-T., and Maji, A. (2004). "Impact of Thermal Cycles on Deployment Accuracy of Elastic Memory Composites," *Proceedings of Earth and Space 2004*, March 7-10, Houston, TX.

Reda Taha, Mahmoud

Reda Taha, M.M., Noureldin, A., Osman A., and El-Sheimy, N. "Introduction to the Use of Wavelet Multi-Resolution Analysis for Intelligent Structural Health Monitoring," *Canadian Journal of Civil Engineering*, 2004, Vol. 31, No. 5, pp. 719-731.

Reda Taha, M.M., Noureldin, A., El-Sheimy, N. and Shrive, N. G. "Feedforward Neural Networks for Modelling Time-Dependent Creep Deformations in Masonry Structures," *Proceedings of the Institution of Civil Engineers, Structures and Buildings Journal*, UK, 2004, Vol. 157, Issue SB4, pp. 279-292.

Shrive, N.G., Reda Taha, M.M., and Masia, M. J. "Restoration and Strengthening with Fibre Reinforced Polymers: Issues to Consider," *Proceedings of IV International Conference on Structural Analysis of Historical Structures*, Modena et al. Eds., A. A. Balkema Publishers, Padova, Italy, November 2004, Vol. 2, pp. 829-835.

El-Sheimy, N., Reda Taha, M.M. and Niu, X. "Next Generation Low-cost MEMS Based Sensors: Challenges for Implementation in SHM Systems," *Proceedings of the 2nd International Workshop on Structural Health Monitoring of Innovative Civil Structures*, Mufti, A., and Ansari, F. Eds., Winnipeg, Canada, Sept. 2004, pp. 253-264.

- Reda Taha, M.M., Noureldin, A., and Ross, T. "A Fuzzy-Aided Damage Recognition for Intelligent Structural Health Monitoring," *Proceedings of the Second European Workshop on Structural Health Monitoring*, Boller, C. and Staszewski, W. J., Eds., Munich, Germany, July 2004, pp. 669-676.
- Lissel, S. L. and Reda Taha, M.M., Tait, M. "Deflection Prediction of Masonry Retaining Walls," *Proceedings of the 7th Australian Masonry Conference*, Newcastle, Australia, Masia et al. Eds., July 2004, pp. 456-465.
- Shrive, N. G. and Reda Taha, M.M. "Flexural Bond Strength of Normal And Fly-Ash Modified Mortars," *Proceedings of the 7th Australian Masonry Conference*, Newcastle, Australia, Masia et al. Eds., July 2004, pp. 161-170.
- Reda Taha M.M., and Ali, A. "An Innovative Neuro-Fuzzy Model for Predicting Creep of The Medial Collateral Ligament," *CD Proceedings of 5th International Symposium on Soft Computing for Industry, WAC 2004*, Jamshidi, M. et al. Eds., June 2004, Seville, Spain, 6 pp.
- Hassanain, M. A., Reda Taha, M.M., Noureldin, A. and El-Sheimy, N. "Automization of INS/GPS Integration System Using Genetic Optimization," *CD Proceedings of 5th International Symposium on Soft Computing for Industry, WAC 2004*, Jamshidi, M. et al. Eds. June 2004, Seville, Spain, 6 pp.
- Shrive, N. G. and Reda Taha, M.M., "Bond Strength of Clay Masonry Prisms Constructed wit Normal and Fly Ash Substituted Mortars," *CD Proceedings of 13th International Brick and Block Masonry Conference (IBMaC)*, July 2004, Amsterdam, The Netherlands, 10 pp.
- Reda Taha, M.M., Hassanain, M. A. and El-Sheimy, N. "A Systematic Approach to the Evaluation of Errors in Predicted Deflections of Reinforced Concrete Structures," *CD Proceedings of Second International Conference on Structural Engineering, Mechanics and Computation, SEMC 2004*, July 2004, Zingoni, A. Ed., Cape Town, South Africa.
- Reda Taha, M.M., Noureldin, A. and El-Sheimy, N. "Establishing Fuzzy Confidence Limits for Structural Health Monitoring using Wavelet Analysis," *CD Proceedings of Second International Conference on Structural Engineering, Mechanics and Computation, SEMC 2004*, July 2004, Zingoni, A. Ed., Cape Town, South Africa.
- Hegger, J., Sherif, A., Reda Taha, M.M. and Grötz, S. "A Nouvelle Approach for Predicting Shear Cracking Angle in RC Beams Using Artificial Neural Networks," *CD Proceedings of Xth International Conference on Computing in Civil and Building Engineering*, June 2004, Weimar, Germany, 9 pp.

El-Gizawy, M., El-Sheimy, N., Reda Taha M.M., and Noureldin, A. "Neuro Fuzzy Systems for GPS/INS Integration," *CD Proceedings of the European Navigation Conference*, *GNSS2004*, May 2004, Rotterdam, The Netherlands, Paper # 029, 9 pp.

Reda Taha, M.M. and Ali, A. "Modelling Ligament Fibre Recruitment using Fuzzy Inference Systems," *CD Proceedings of 6th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering*, Middelton et al. Eds., Feb. 2004, Madrid, Spain, 6 pp.

Stormont, John, C.

J.C. Stormont and R. Ramos, (2004). "Characterization of a fiberglass geotextile for unsaturated in-plane water transport," *ASTM Geotechnical Testing Journal*, Vol. 27, No. 2.

I.F. Wallner and J.C. Stormont, (2004). "Thorough Characterization of the Hydrogeological and Geochemical Processes in Waste Rocks are Essential for Effective Reclamation," *Proceedings of the VI International Conference on Clean Technology for the Mining Industry, University of Concepcion*, Chile, March.

Thomson, B., Hall, G., Stormont, J., Peterson, J., Hanson, A. (2004). "Prospecting for Ground Water Contamination from On-Site Wastewater Systems in New Mexico," *Proceedings, 13th Ann. Tech. Conference, National Onsite Wastewater Recycling Association*, Albuquerque, NM.

Chemical and Nuclear Engineering

Atanassov, Plamen

- S. Calabrese Barton, "Bio-Fuel Cells for Implantable and Micro-Scale Devices" (Review), *Chemical Reviews*, 104 (2004), 4867-4886.
- J. Xie, D.L. Wood, D.M. Wayne, T. Zawodzinski, and R.L. Borup, "Durability of Polymer Electrolyte Fuel Cells at High Humidity Conditions," *J. Electrochem. Soc.*, 152 (2004) A104-A113.
- T.S. Olson and D.A. Brevnov, "Electrodeposition of Gold on Aluminum/Copper Substrates," *J. Phys. Chem. B.*, 109 (2004) 1243-1250.
- D.A. Brevnov, T.S. Olson and G.P. López, "Electroless Deposition of Silver by Galvanic Displacement on Aluminum Allowed with Copper," *J. Phys. Chem. B.*, 108 (2004) 17531-17536.
- N. Liu, D.R. Dunphy, S.D. Bunge, Z. Chen, G.P. López, T.J. Boyle and C.J. Brinker, "Photoregulation of Mass Transport Through a Photoresponsive Azobenzene-Modified Nanoporous Membrane," *Nano Letters*, 4 (2004) 551-554.
- D.A. Brevnov, M. Barela, M.J. Brooks and G.P. López, Fabrication of Anisotropic "Super-Hydrophobic / Hydrophilic Nanoporous Membranes by Plasma Polymerization of C₄F₈ on Anodic Aluminum Oxide," *J. Electrochem. Soc*, 151 (2004) B484-B489.
- D.A. Brevnov, G.V. Rama Rao and G.P. López, "Dynamics and Temperature Dependence of Etching Processes of porous and barrier aluminum oxide layers," *Electrochimica Acta*, 49 (2004) 2487-2494.
- D.A. Brevnov, M. Barela, M.E. Piyasena and G.P. López, "Patterning of nanoporous anodic aluminum oxide arrays by using sol-gel processing, photolithography and plasma etching," *Chemistry of Materials*, 16 (2004) 682-687.
- G. Gupta and V. Rajendran, "Bioelectrocatalysis of Oxygen Reduction Reaction by Laccase on Gold Electrodes," *Electroanalysis*, 16 (2004) 1182-1185.
- J. Yan, G.V. Rama Rao and G.P. López, "Anodization Patterned on Aluminum Surfaces." In J.A. Schwarz, C.I. Contescu, and K.L. Putyera (Eds.), *Encyclopedia of Nanoscience and Nanotechnology*, Marcel Dekker, Inc., New York, NY, 2004; pp. 83-89.

G.P. López, A. Chilkoti, and V. Goparaju "Stimuli Responsive Hybrid Materials Containing Molecular Actuators and their Applications." *US Patent No: 6,755,621*, June 29, 2004.

Brinker, C. Jeffrey

"Controlled synthesis of 2-D and 3-D dendritic platinum nanostructures," Song YJ, Yang Y, Medforth CJ, Pereira E, Singh AK, Xu HF, Jiang YB, van Swol F, Shelnutt JA, *Journal of the American Chemical Society*, Jan. 21 2004, v. 126, no. 2, pp. 635-645.

"Self-assembly of ordered, robust, three-dimensional gold nanocrystal/silica arrays," Fan HY, Yang K, Boye DM, Sigmon T, Malloy KJ, Xu HF, Lopez GP, *Science*, Apr. 23 2004, v. 304, no. 5670, pp. 567-571.

"Photoregulation of Mass Transport through a Photoresponsive Azobenzene-Modified Nanoporous Membrane," Liu N, Dunphy DR, Atanassov P, Bunge SD, Chen Z, López GP, Boyle TJ, *Nanoletters*, Apr. 2004, v. 4, no. 4, pp. 551-554.

"Unusual hydrocarbon chain packing mode and modification of crystallite growth habit in the self-assembled nanocomposites zinc-aluminum-hydroxide oleate and elaidate (cis- and trans-[Zn2Al(OH)(6)(CH3(CH2)(7)CH=CH(CH2)(7)COO-)] and magnesium analogues," Xu ZP, Braterman PS, Yu K, Xu HF, Wang YF, Chemistry of Materials, Jul. 13 2004, v. 16, no. 14, pp. 2750-2756.

"Evaporation-induced self-assembly: Functional nanostructures made easy," *Mrs Bulletin*, Sep. 2004, v. 29, no. 9, pp. 631-640.

"Characterization of self-assembled lamellar thermoresponsive silica-hydrogel nanocomposite films," Garnweitner G, Smarsly B, Assink R, Dunphy DR, Scullin C, Langmuir, Oct. 26 2004, v. 20, no. 22, pp. 9811-9820.

"A general route to macroscopic hierarchical 3D nanowire networks," Wang DH, Luo HM, Kou R, Gil MP, Xiao SG, Golub VO, Yang ZZ, Lu YF, *ANGEWANDTE* - *Chemie International Edition*; Nov. 19 2004, v. 43, no. 45, pp. 6169-6173.

Curro, John G.

D. Heine and G.S. Grest, "Structure of Polymer Melts and Blends: Comparison of Integral Equation Theory and Computer Simulation," *Adv. Polym. Sci.*, 176, 211 (2004).

E. Jaramillo, G.S. Grest, D.T. Wu, "Anomalous Mixing of Polyisobutylene/Polypropylene Blends: Molecular Dynamics Simulation," Study, *J. Chem. Phys.* 120, 8883 (2004).

- S. Mendez "Integral Equation Theory of Polymer Solutions: Application to Polyethylene/Benzene Solutions," *Macromolecules*, 37, 1980 (2004).
- D. Rottach, G.S. Grest, A.P. Thompson, "Effect of Strain History on Stress and Permanent Set in Crosslinking Networks: A Molecular Dynamics Study," *Macromolecules*, 37, 5468 (2004).
- A.L. Frischknecht, "Comparison of Random-Walk Density Functional Theory to Simulation for Bead-Spring Homopolymer Melts," *J. Chem. Phys.* 121, 2788 (2004).
- J. Budzien, J.D. McCoy, D. Rottach, "Effects of Chain Stiffness and Penetrant Size on Penetrant Diffusion in Simple Polymers: Deduced Relations from Simulation and PRISM," *Theory Polymer*, 45, 3923 (2004).

Datye, Abhaya. K.

Bravo J., A. Karim, T. Conant, G.P. Lopez, (2004). "Wall coating of a CuO/ZnO/Al₂O₃ methanol steam reforming catalyst for micro-channel reformers," *Chemical Engineering Journal*, 101 (2004) 113–121.

- Bukur, D. B., V. Carreto-Vazquez and H. N. Pham, (2004). "Attrition properties of precipitated iron Fischer-Tropsch catalysts." *Applied Catalysis, A: General*, 266(1): 41-48.
- Zea, H., C.-K. Chen, K. Lester, A. Phillips, I. Fonseca and J. Phillips, (2004). "Plasma torch generation of carbon supported metal catalysts." *Catalysis Today* 89(1-2): 237-244.
- Zhu, G., K.-I. Fujimoto, D. Y. Zemlyanov, and F. H. Ribeiro, (2004). "Coverage of palladium by silicon oxide during reduction in H2 and complete oxidation of methane." *Journal of Catalysis* 225(1): 170-178.
- Vanamu, G., K. Lester, J.C. Weigle and J. Phillips, (2004). "Study of Modification of Irregular Titania Powder Passed as an Aerosol through a Low Power Microwave Plasma Torch," *AICHE Journal*, 50(9): 2090-2100.
- Vanamu, G. and S.H. Zaidi, (2004). "Heteroepitaxial growth and characterization of Ge and SixGe1-x films on patterned silicon structures." *Mat. Res. Soc. Symp. Proc.*, Vol. 809, Materials Research Society.
- Vanamu G., T.A. Khraishi, and S.H. Zaidi, (2004). "Modeling the Elastic Fields in Epitaxially Grown Multilayers," *Mat. Res. Soc. Symp. Proc.* Vol. 821, Materials Research Society.

Bore, M.T., H.N. Pham, and T.L. Ward, (2004). "Role of pore curvature on the thermal stability of gold nanoparticles in mesoporous silica," *Chem. Commun.*, 2620-2621.

Bore, M.T., T.L. Ward, and A. Fukuoka, (2004). "Synthesis of Pt nanowires inside aerosol derived spherical mesoporous silica particles." *Catalysis Letters*, 98: p. 167-172.

El-Genk, Mohamed S.

Momozaki, Y., "Investigations of the Performance of Grooved Electrodes Thermionic Converters at Collector Temperatures up to 1023 K," *J. Energy Conversion and Management*, 45, 2004, 1153–1174.

Saber, H.H., "On the Breakup of a Thin Flowing Liquid Film subject Interfacial Shear," *J. Fluid Mechanics*, 500, 2004, 113.

Parker, J., "Pool Boiling in Saturated and Subcooled HFE-7100 Dielectric Fluid from a Porous Graphite Surface," *Proceedings 9th Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems* (Itherm 2004), 1, 2004, 655–662.

Tournier, J.-M., "AMTEC/TE Static Converter for High Energy Utilization, Small Nuclear Power Plants," *J. Energy Conversion and Management*, 45, 2004, 511-535.

Tournier, J.-M., "An Analysis of Coated Particles Fuel Compact-General Purpose Heat Source (CPFC-GPHS)," J. Progress in Nuclear Energy, 44(3), 2004, 215–236.

Tournier, J.-M., "SAIRS"-Scalable AMTEC Integrated Reactor Space Power System, *J. Progress in Nuclear Energy*, 45(1), 2004, 25-69.

Parker, J., "Pool Boiling in Saturated and Subcooled FC-72 Dielectric Fluid from a Porous Graphite Surface," *Proceedings of the ASME International Mechanical Engineering Congress, No. IMECE*2004-59905, Anaheim, CA, 13–19 November 2004.

Saber, H. H., and T. Caillat, "Performance Tests of Skutterudites and Segmented Thermoelectric Converters," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 541–552.

Tournier, J.-M., "Mechanically Alloyed-Oxide Dispersion Strengthened Steels for Use in Space Nuclear Power Systems," *Proceedings of the Space Technology and Applications International Forum (STAIF-04)*, No. 669, American Institute of Physics, Melville, NY, 2004, 829–844.

- Saber, H. H., "Cascaded Thermoelectric Conversion-Advanced Radioisotope Power Systems (CTC-ARPSs)," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 230-241
- Saber, H. H., "Cascaded Thermoelectric Converters for Advanced Radioisotope Power Systems," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 529–540.
- Tournier, J.-M., "Performance Analysis of Potassium Heat Pipes Radiator for HP-STMCs Space Reactor Power System," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 793–805.
- Tournier, J.-M., "Conceptual Design of HP-STMCs Space Reactor Power System for 110 kW_e," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 658–672.
- King, J. C., "A Methodology for the Neutronics Design of Space Nuclear Reactors," *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No.* 669, American Institute of Physics, Melville, NY, 2004, 319–329.
- Tournier, J.-M., "Reactor Lithium Heat Pipes for HP-STMCs Space Reactor Power System *Proceedings of the Space Technology and Applications International Forum (STAIF-04), No. 669*, American Institute of Physics, Melville, NY, 2004, 781–792.
- Saber, H. H., J. Sakamoto, and T. Caillat, "Performance Tests of Coated and Uncoated Segmented Skutterudites/BiTe Thermoelectric Unicouples," *Proceedings of the 23rd International Conference of Thermoelectrics (ICT-2004)*, Adelaide, Australia, 25–29 July 2004.

Fulghum, Julia E.

- "Study of ion beam alignment of liquid crystals on polymer substrates." Su L., Artyushkova K., West J.L., Reznikov Y., *Molecular Crystals and Liquid Crystals*, 2004, 412, 1971-1978.
- "Reversible control of free energy and topography of nanostructured surfaces" Fu Q., Rao G.V.R., Basame S.B., Keller D.J., Artyushkova K., Lopez G., *Journal of the American Chemical Society*, July 2004, v. 126, no. 29, pp. 8904-8905
- "Multivariate Analysis Applied to Topographical Corrections in X-ray Photoelectron Images," Artyushkova K., *Surf. Inter. Anal.*, 2004, 36, 1304-1313.

Han, Sang M.

Qiming Li, Ying-Bing Jiang, Huifang Xu and Steve Hersee, "Heteroepitaxy of high quality Ge on Si by nanoscale Ge seeds grown through a thin layer of SiO2," *Appl. Phys. Lett.*, 85(11), 1928 (2004), and *Virtual Journal of Nanoscale Science & Technology*, Oct. 4 (2004).

Madhava R. Kosuri, Roya Cones, Qiming Li, Bruce C. Bunker, and Thomas M. Mayer, "Adsorption Kinetics of Alkanethiol Self-Assembly on Ge(111)," *Langmuir*, 20(3), 835 (2004).

López, Gabriel P.

"Generation of Aluminum Nanoparticles Using an Atmospheric Plasma Torch," Weigle J.C., Luhrs C.C., Chen C.K., Perry W.L., Mang J.T., Nemer M.B., Phillips J., *J. Phys. Chem.* B 2004, 108, 18601-07.

"Fabrication of Anisotropic Super Hydrophobic/Hydrophilic Nanoporous Membranes by Plasma Polymerization of C4F8 on Anodic Aluminum Oxide," Brevnov D., Barela M., Brooks M.J., Atanassov P.B., *J. Electrochem. Soc.* 2004, 151, B484-89.

"Study of Conformational Change of PNIPAM Grafted Chains in Water Using Neutron Reflection and Numerical SCF Calculations: Molecular Weight Dependence at High Grafting Density," Yim H., Kent M.S., Curro J.G., Satija S., McCoy J.D., Mendez S., Balamurugan S.S., Balamurugan S., *J. Polym. Sci.*, *Polym. Phys.* 2004, 42, 3302-10.

"Patterning of Nanoporous Anodic Aluminum Oxide Arrays by Using Sol-Gel Processing, Optical Photolithography and Plasma Etching," Brevnov D.A., Barela M., Piyasena M.E., Atanassov P.B., *Chem. Mater.* 2004, 16, 682-687.

"Electroless Deposition of Silver by Galvanic Displacement on Aluminum Alloyed with Copper," Brevnov D.A., Olson T.S., Atanassov P., J. Phys. Chem. B. 2004, 108, 17531-36.

"Near Simultaneous and Real Time Detection of Multiple Analytes in Affinity Microcolumns," Piyasena M.E., Buranda T., Wu Y., Huang J., Sklar L.A., *Anal. Chem.* 2004, 76, 6266-73.

"Reversible Control of Free Energy and Topography of Nanostructured Surfaces," Fu Q., Rama Rao G.V., Basame S.B., Keller D.J., Artyushkova K., Fulghum J.E., *J. Amer. Chem. Soc.* 2004, 126, 8904-8905.

"Wall Coating of a CuO/ZnO/Al2O3 Methanol Steam Reforming Catalyst for Micro-Channel Reformers," Bravo J., Karim A., Conant T., Datye A., *Chem. Eng. J.* 2004, 101, 113-121.

"Photoregulation of Mass Transport Through a Photoresponsive Azobenzene-Modified Nanoporous Film," Liu N., Dunphy D., Atanassov P., Bunge S.D., Chen Z., Boyle T., Brinker C.J., *Nanolett.* 2004, 4, 441-554.

"Self-Assembly and Integration of Ordered, Robust Gold Nanocrystal/Silica Arrays," Fan H., Yang K., Boye D.M., Sigmon T., Malloy K.J., Xu H., Brinker C.J., *Science* 2004, 304, 567-571.

"Effect of Substratum Surface Chemistry and Surface Energy on Attachment of Marine Bacteria and Algal Spores," Ista L.K., Callow M.E., Finlay J.A., Coleman S.E., Nolasco A.C., Simons R.H., Callow J.A., *Appl. Environ. Microbiol.* 2004, 70, 4151-57.

Morel, Jim E.

J. S. Warsa, T. A. Wareing, J. M. McGhee, and R. B. Lehoucq, "Krylov Subspace Iterations for Deterministic k-Eigenvalue Calculations," *Nuclear Science and Engineering*, 147, 26-42 (2004).

K. D. Lathrop, "Singular Solutions, Integral Transport Theory, and the S\$_n\$ Method," *Nuclear Science and Engineering*, 147, 158-166 (2004).

J. S. Warsa and T. A. Wareing, "Krylov Iterative Methods and the Degraded Effectiveness of Diffusion Synthetic Acceleration for Multidimensional S\$_n\$ Calculations in Problems with Material Discontinuities," *Nuclear Science and Engineering*, 147, 218-248 (2004).

Konstantin Lipnikov, and Mikhail Shashkov, "Mimetic Finite Difference Methods for DiffusionEquations on Non-Orthogonal Non-Conformal Meshes," *Journal of Computational Physics*, 199, 589-597 (2004).

Nuttall, H. Eric

In Situ Permeable Biofilms for Drinking Water Production. L. Dutta, G. Chopra, A. Cunningham, G. James, and R. Hiebert, *Remediation of Chlorinated and Recalcitrant Compounds*, 2004.

Investigation of Biomass and Their Mitigation for In Situ Bioremediation. G. Chopra, L. Dutta, P. Hatzinger, and M.N. Goltz, *Remediation of Chlorinated and Recalcitrant Compounds*, 2004.

In Situ Remedial Success at a Multiple-Remedy Mixed-Constituent Site. D. Gray, F. Coll, R. Fasano, B. Lundy and B. Baker, *Remediation of Chlorinated and Recalcitrant Compounds*, 2004.

Phillips, Jonathan

William Kroenke and William Lee Perry. (2004). "Method for Producing Metallic Nanoparticles," U.S. Patent 6,689,192.

William Kroenke and William Lee Perry. (2004). "Method for Producing Metallic Microparticles," U.S. Patent 6,755,886.

Xeumin Chen and Randall Mills. (2004). "Water Bath Calorimetry Study of Excess Heat Production in Resonant Transfer Plasmas," *Journal of Applied Physics*, 96, 3095.

Ganesh Vanamu, Kelvin Lester, Abhaya Datye, John Weigle and Chun-Ku Chen. (2004). "Study of the Modification of Irregular Titania Powder Passed as an Aerosol Through a Low Power Microwave Plasma Torch", *AIChE J.* 50, 2090.

Hugo Zea, Chun-Ku Chen, Kelvin Lester, Ariel Phillips, Abhaya Datye and Isabel Fonseca. (2004). "Plasma Torch Production of Carbon Supported Metal Catalysts," *Catalysis Today* 89, 237.

John C. Weigle. (2004). "Novel Dual Bed Reactors: Utilization of Hydrogen Spillover in Reactor Design," *Langmuir*, 20, 1189.

John C. Weigle. (2004). "Modeling Hydrogen Spillover in Dual-Bed Catalytic Reactors," *AIChE J.* 50, 821.

L. V. Berlyand, D. Golovaty and A. B. Movchan. (2004). "Transport properties of densely packed composites. Effect of shapes and spacings of inclusions," *Quarterly Journal of Mechanics and Applied Mathematics* 57, 495-528.

John C. Weigle, Claudia C. Luhrs, C. K. Chen, W. Lee Perry, Joseph T. Mang, Gabriel P. Lopez. (2004). "Generation of Aluminum Nanoparticles Using an Atmospheric Pressure Plasma Torch," *J. Phys. Chem. B* 108, 1860.

Prinja, Anil K.

Franke, B.C., "A Regularized Boltzmann Collision Operator for Highly Forward Peaked Scattering," *Transactions of the American Nuclear Society*, Vol. 90, 281 (2004).

"On the Master Equation Approach to Transport in Discrete Random Media in the Presence of Scattering," *Annals of Nuclear Energy*, Vol. 31, 2005 (2004).

Roderick, Norman F.

T.W.L. Sanford, T.J. Nash, R.E. Olson, D.E. Bliss, R.W. Lemke, C.L. Olson, C.L. Ruiz, R. C. Mock, J.E. Bailey, G.A. Chandler, M.E. Cuneo, R.J. Leeper, M.K. Matzen, T.A. Mehlhorn, S.A. Slutz, W.A. Stygar, D. L. Peterson, R.E. Crien, R.C. Watt, G.W. Cooper, J.P. Apruzese, G.S. Sarkisov, J.P. Chittenden, M.G. Haines, "Progress in Z-Pinch Driven Dynamic-Hohlraums for High-Temperature Radiation-Flow and ICF Experiments at Sandia National Laboratories," *Plasma Phys. Control. Fusion*, 42, B423-B433, Dec. 2004.

Ueki, Taro

F.B. Brown, D.K. Parsons, and J.S. Warsa, "Time Series Analysis of Monte Carlo Fission Sources: I. Dominance Ratio Computation," *Nuclear Sciences and Engineering* 148, 374 (2004).

"Entropy and Undersampling in Monte Carlo Criticality Calculations," *Transactions of American Nuclear Society* 91, 119 (2004).

"Time Series Modeling and MacMillan's Formula for Monte Carlo Iterated-Source Methods," *Transactions of American Nuclear Society* 90, 449 (2004).

"Principal Component Analysis for Monte Carlo Criticality/Eigenvalue Calculations," *Transactions of American Nuclear Society* 90, 461 (2004).

Ward, Timothy L.

M.T. Bore, H.N. Pham, and A. K. Datye, "Role of pore curvature on the thermal stability of gold nanoparticles in mesoporous silica," *Chem. Commun.*, 2004, 2620-2621.

M.T. Bore, A. Fukuoka, and A.K. Datye, "Synthesis of Pt nanowires inside aerosol derived spherical mesoporous silica particles," *Catalysis Letters* 98 (4), 167-172 (2004).

Computer Science

Ackley, David

Van Belle, T. and D.H. Ackley. 2004. "Imitation and Inequity in Avoiding the Tragedy of the Commons." In J. Pollack, M. Bedau, P. Husbands, T. Ikegame, et al, (eds.) *Artificial Life IX, Proceedings of the Ninth International Conference on the Simulation and Synthesis of Living Systems*, pp. 274 - 279, The MIT Press, Cambridge, MA.

Forrest, S., J. Balthrop, M. Glickman, and Ackley, D.H. 2004. "Computation in the Wild." In K. Park and W. Willins (eds.) *The Internet as a Large-Scale Complex System*. Oxford University Press.

Angel, Edward

Angel, E. and K. Moreland. 2004. "Fourier Processing in the Graphics Pipeline." In D. Zhang, M. Kamel and G. Gaciu (eds.) *Integrated Image and Graphics Technologies*, Kluwer Academic Publishers.

Angel, E. 2004. OpenGL: A Primer. Second Edition, Addison-Wesley.

Bridges, Patrick

Maccabe, A.B., P.G. Bridges, R. Brightwell, R. Riesen, and T. Hudson. June 2004. "Highly Configurable Operating Systems for Ultrascale Systems." *Proceedings of the First International Workshop on Operating Systems, Programming Environments and Management Tools for High-Performance Computing on Clusters*, St. Malo, France.

Bridges, P.G. and A.B. Maccabe. October 2004. "IMPuLSE: Integrated monitoring and profiling for large-scale environments." *Proceedings of the Seventh Workshop on Languages, Compilers, and Run-time Support for Scalable Systems.*

Forrest, Stephanie

Warrender C., S. Forrest, and L. Segel. 2004. "Homeostasis of Peripheral Immune Effectors." *Bulletin of Mathematical Biology*, 66:6, pp. 1493-1514.

Chao D.L., M.P. Davenport, S. Forrest, and A.S. Perelson. 2004. "A Stochastic Model of Cytotoxic T Cell Responses." *Journal of Theoretical Biology*, Vol. 228, pp. 227-240.

Chao D.L., M.P. Davenport, S. Forrest, and A.S. Perelson. 2004. "Modeling the Impact of Antigen Kinetics on T cell Activation and Response." *Immunology and Cell Biology*, 82:1.

Balthrop J., S. Forrest, M. Newman, and M. Williamson. 2004. "Technological Networks and the Spread of Computer Viruses." *Science*, 304, pp. 527-529.

Maley C.C., B.J. Reid, and S. Forrest. 2004. "Cancer Prevention Strategies that Address the Evolutionary Dynamics of Neoplastic Cells: Simulating Benign Cell Boosters and Selection for Chemosensitivity." *Cancer Epidemiology, Biomarkers and Prevention*, 13(8), pp. 1375-84.

Esponda F., S. Forrest, and P. Helman. 2004. "A Formal Framework for Positive and Negative Detection." *IEEE Transactions on Systems, Man, and Cybernetics*, 34:1, pp. 357-373.

Forrest, S., J. Balthrop, M. Glickman, and Ackley, D.H. 2004. "Computation in the Wild." In K. Park and W. Willins (eds.) *The Internet as a Large-Scale Complex System*. Oxford University Press.

Esponda, F., E. Ackley, S. Forrest, and P. Helman. September 2004. "On-line Negative Databases." *Proceedings of the Third International Conference on Artificial Immune Systems (ICARIS)*, Catania, Italy, pp. 175-188.

Helman, Paul

Helman, P., R. Veroff, SR. Atlas, and C. Willman. August 2004. "A Bayesian Network Classification Methodology for Gene Expression Data." *Journal of Computational Biology*, Vol. 11, No. 4, pp. 581-615.

Esponda, F., S. Forrest, and P. Helman. February 2004. "A Formal Framework for Positive and Negative Detection Schemes." *IEEE Trans. on Systems, Man, and Cybernetics*, Vol. 34, No. 1, pp. 357-373.

Esponda, F., E. Ackley, S. Forrest, and P. Helman. September 2004. "On-line Negative Databases." *Proceedings of the Third International Conference on Artificial Immune Systems (ICARIS)*, Catania, Italy, pp. 175-188.

Abad-Mota, S. and P. Helman. May 2004. "ODIL: Ontology-Based Document Interrogation Language." *Proceedings of the Fifteenth IRMA International Conference*, New Orleans, LA.

Hermenegildo, Manuel

Cabeza, D., M. Hermenegildo, and J. Lipton. Hiord. December 2004. "A Type-Free Higher-Order Logic Programming Language with Predicate Abstraction." *Ninth Asian Computing Science Conference (ASIAN'04)*, LNCS, Num. 3321, pp. 93-108.

Albert, E., G. Puebla, and M. Hermenegildo. October 2004. "Experiments in Abstract Interpretation-based Code Certification for Pervasive Systems." *Proceedings of 2004 IEEE*

Conference on Systems, Man and Cybernetics (Special Session on Correctness and Reliability for Pervasive/Ubiquitous Computing), IEEE.

Albert, E., G. Puebla, and M. Hermenegildo. September 2004. "Abstract Interpretation-based Mobile Code Certification." *Proceedings of International Conference on Logic Programming (ICLP'04)*, LNCS, Num. 3132, pp. 446.

Lopez-Garcia, P., F. Bueno, and M. Hermenegildo. August 2004. "Determinacy Analysis for Logic Programs Using Mode and Type Information." *Proceedings of the 14th International Symposium on Logic-based Program Synthesis and Transformation (LOPSTR '04)*, LNCS.

Morales, J., M. Carro, and M. Hermenegildo. June 2004. "Improving the Compilation of Prolog to C Using Moded Types and Determinism Information." *Proceedings of the Sixth International Symposium on Practical Aspects of Declarative Languages*, LNCS, Num. 3507, pp. 86-103.

Correas, J., J. M. Gomez, M. Carro, D. Cabeza, and M. Hermenegildo. June 2004. "A Generic Persistence Model for CLP Systems (And Two Useful Implementations)." *Proceedings of the Sixth International Symposium on Practical Aspects of Declarative Languages*, LNCS, Num. 3507, pp. 104-119.

Bueno, F., P. Lopez-Garcia, and M. Hermenegildo. April 2004. "Multivariant Non-Failure Analysis via Standard Abstract Interpretation." 7th International Symposium on Functional and Logic Programming (FLOPS 2004), LNCS, Num. 2998, pp. 100-116.

Hermenegildo, M., E. Albert, P. Lopez-Garcia, and G. Puebla. August 2004. "Some Techniques for Automated, Resource-Aware Distributed and Mobile Computing in a Multi-Paradigm Programming System." *Proceedings of EURO-PAR*, LNCS, Num. 3149, pp. 21-37.

Puebla, G., J. Correas, M. Hermenegildo, F. Bueno, M. Garcia de la Banda, K. Marriott, and P. J. Stuckey. August 2004. "A Generic Framework for Context-Sensitive Analysis of Modular Programs." *Program Development in Computational Logic, A Decade of Research Advances in Logic-Based Program Development*, LNCS, Num. 3049, pp. 234-261.

Albert, E., G. Puebla, and M. Hermenegildo. April 2004. "An Abstract Interpretation-based Approach to Mobile Code Safety." *Proceedings of Compiler Optimization Meets Compiler Verification (COCV'04).*

Kapur, Deepak

Chtcherba, A., and D. Kapur. August 2004. "Resultants for Unmixed Bivariate Polynomial System Using the Dixon Formulation." *Symbolic Computation*, 38(2), pp. 915-958.

Chtcherba, A. and D. Kapur. July 2004. "Constructing Sylvester-type Resultant Matrices Using the Dixon Formulation." *J. Symbolic Computation*, 38(1), pp. 777-814.

Kapur, D. July 2004. "Automatically Generating Loop Invariants Using Quantifier Elimination," *Proceedings of the 10th International IMACS Conference on Applications of Computer Algebra (ACA 2004)*, Lamar, TX.

Rodriguez-Carbonell, E. and D. Kapur. August 2004. "An Abstract Interpretation approach for Automatic Generation of Polynomial Invariants." *Proceedings of the 11th Symposium on Static Analysis (SAS)*, Verona, Italy.

Chtcherba, A. and D. Kapur. July 2004. "Support Hull: Relating the Cayley-Dixon Resultant Constructions to the Support of a Polynomial System." *Proceedings of the International Symposium on Symbolic and Algebraic Computation (ISSAC)*, Santander, Spain.

Rodriguez-Carbonell, E. and D. Kapur. July 2004. "Automatic Generation of Polynomial Loop Invariants: Algebraic Foundations." *Proceedings of the International Symposium on Symbolic and Algebraic Computation (ISSAC)*, Santander, Spain.

Luan, Shuang

Luan, S., C. Wang, D.Z. Chen, X.S. Hu, S.A. Naqvi, C.L. Lee, and C.X. Yu. April 2004. "A New MLC Segmentation Algorithm/Software for Step-and-Shoot IMRT Delivery." *Medical Physics*, Vol. 31, No. 4, pp. 695-707.

Luan, S., C. Wang, D.Z. Chen, X.S. Hu, S.A. Naqvi, and C.X. Yu. July 2004. A New MLC Segmentation Algorithm for Step and Shoot IMRT Without Tongue-and-Groove Error." Forty-Sixth Annual Meeting and Technical Exhibition of the American Association of Physicists in Medicine (AAPM), Pittsburgh, PA. Medical Physics Special Issue for the AAPM Annual Meeting, Vol. 31, No. 6, June 2004.

Luan, S., C. Wang, D.Z. Chen, X.S. Hu, and C.X. Yu. July 2004. "A Study of the Impact of MLC Constraints on the Number of Segments in Step-and-Shoot IMRT Delivery." Forty-Sixth Annual Meeting and Technical Exhibition of the American Association of Physicists in Medicine (AAPM), Pittsburgh, PA. Medical Physics Special Issue for the AAPM Annual Meeting, Vol. 30, No. 6, June 2004.

Chen, D.Z., X. S. Hu, S. Luan, C. Wang, and X. Wu. October 2004. "Geometric Algorithms for Static Leaf Sequencing Problems in Radiation Therapy." *International Journal of Computational Geometry and Applications (IJCGA)*, Vol. 14, pp. 311-339.

Chen, D.Z., X.S. Hu, S. Luan, S.A. Naqvi, C. Wang, and C.X. Yu. December 2004. "Generalized Geometric Approaches for Leaf Sequencing Problems in Radiation Therapy." Lecture Notes in Computer Science, Vol. 3341, Proceedings of the 15th International Symposium on Algorithms and Computation (ISAAC 2004), pp. 271-281.

Luger, George F

Luger, G. 2004. Artificial Intelligence: Structures and Strategies for Complex Problem Solving. Fifth Edition, Addison-Wesley.

Maccabe, Arthur

Brennan, S., A. Mielke, D.C. Torney and A. B. Maccabe. August 2004. "Raditation Detection with Distributed Sensor Networks." *IEEE Computer*, 37(8), pp. 57-59.

Bridges, P.G. and A.B. Maccabe. October 2004. "IMPuLSE: Integrated Monitoring and Profiling for Large-Scale Environments." *Proceedings of the Seventh Workshop on Languages, Compilers, and Run-time Support for Scalable Systems.*

Maccabe, A.B., P.G. Bridges, R. Brightwell, R. Riesen, and T. Hudson. June 2004. "Highly Configurable Operating Systems for Ultrascale Systems." Proceedings of the First International Workshop on Operating Systems, Programming Environments and Management Tools for High-Performance Computing on Clusters, St. Malo, France.

Moore, Cristopher

Clauset A., M.E.J. Newman, and C. Moore. 2004. "Finding Community Structure in Very Large Networks." *Physical Review*, E 70, 066111.

Kari, J. and C. Moore. 2004. "Rectangles and Squares Recognized by Two-Dimensional Automata." *In Theory Is Forever, Essays Dedicated to Arto Salomaa on the Occasion of His 70th Birthday*. J. Karhum aki, H. Maurer, G. Paun, and G. Rozenberg, Eds. *Lecture Notes in Computer Science* 3113, pp. 134-144.

Lachmann M., M.E.J. Newman, and C. Moore. 2004. "The Physical Limits of Communication, or Why any Sufficiently Advanced Technology is Indistinguishable from Noise." *American Journal of Physics*, 72, pp. 1290-1293.

Moore C., D. Rockmore, and A. Russell. 2004. "Generic Quantum Fourier Transforms." *Proceedings from the 15th Symposium on Discrete Algorithms (SODA)*, pp. 778-787.

Moore C., D. Rockmore, A. Russell, and L. Schulman. 2004. "The Value of Basis Selection in Fourier Sampling: Hidden Subgroup Problems for Affine Groups." *Proceedings of the 15th Symposium on Discrete Algorithms (SODA)*, pp. 1113-1122.

Achlioptas D., and C. Moore. 2004. "The Chromatic Number of Random Regular Graphs." *Proceedings of the 8th International Workshop on Randomization and Computation (RANDOM)*, pp. 219-228.

Coja-Oghlan, A., C. Moore, and V. Sanwalani. 2004. "Counting Connected Graphs and Hypergraphs Via the Probabilistic Method." *Proceedings of the 8th International Workshop on Randomization and Computation (RANDOM)*, pp. 322-333.

Jia H., and C. Moore. 2004. "How Much Backtracking Does it Take to Color Random Graphs? Rigorous Results on Heavy Tails." *Proceedings of the 10th International Conference on Principles and Practice of Constraint Programming (CP)*. In *Lecture Notes in Computer Science* 3258, pp. 742-746.

Jia, H., C. Moore, and B. Selman. 2004. "From Spin Glasses to Hard Satisfiable Formulas." *Proceedings of the 7th International Conference on Theory and Applications of Satisfiability Testing (SAT)*, pp. 12-19.

Achlioptas, D., H. Jia, and C. Moore. 2004. "Hiding Satisfying Assignments: Two are Better than One." *Proceedings of the 19th National Conference on Artificial Intelligence (AAAI)*, pp. 131-136.

Achlioptas D., F. von Bussel, M. Molloy, and C. Moore. 2004. "Sampling Grid Colorings with Fewer Colors." *Proceedings of the Latin American Theoretical Informatics Symposium (LATIN)*, pp. 80–89.

Morgan, C., D. Stefanovic, C. Moore, and M. N. Stojanovic. 2004. "Building the Components for a Biomolecular Computer." *Proceedings of the 10th International Meeting on DNA Computing (DNA).*

Berger-Wolf, T., C. Moore, and J. Saia. 2004. "A Computational Approach to Animal Breeding." Computational and Mathematical Population Dynamics and Journal of Theoretical Biology.

Moret, Bernard M.E.

Earnest-DeYoung, J.V., E. Lerat, and B.M.E. Moret. 2004. "Reversing Gene Erosion: Reconstructing Ancestral Bacterial Genomes from Gene-Content and Order Data." Proceedings of the 4th Workshop on Algorithms in Bioinformatics (WABI), Lecture Notes in Computer Science, Vol. 3240, pp. 1-13, Springer Verlag.

Marron, M., K.M. Swenson, B.M.E. Moret. 2004. "Genomic Distances Under Deletions and Insertions." *Theoretical Computer Science* 325, 3, pp. 347-360.

Moret, B.M.E., L. Nakhleh, T. Warnow, C.R. Linder, A. Tholse, A. Padolina, J. Sun, and R. Timme. 2004. "Phylogenetic Networks: Modeling, Reconstructibility, and Accuracy." *IEEE/ACM Trans. On Computational Biology and Biocomputing* 1, 1, pp. 13-23.

Roshan, U., B.M.E. Moret, T.L. Williams, and T. Warnow. 2004. "Rec-I-DCM3: A Fast Algorithmic Technique for Reconstructing Large Phylogenetic trees." *Proceedings of the 3rd IEEE Computational Systems Bioinformatics Conference*, pp. 98-109, IEEE Press.

Tang, J., B.M.E. Moret, L. Cui, and C.W. dePamphilis. 2004. "Phylogenetic Reconstruction from Arbitrary Gene-order Data." *Proceedings of the 4th IEEE Conference on Bioinformatics and Bioengineering BIBE'04*, pp. 592-599, IEEE Press.

Roshan, U., B.M.E. Moret, T. Warnow, and T.L. Williams. 2004. "Performance of Supertree Methods on Various Dataset Decompositions." *Phylogenetic Supertrees: Combining information to reveal the Tree of Life*, O.R.P. Bininda-Edmonds, ed., Kluwer Academic Publishers, Dordrecht, pp. 301-328.

Saia, Jared

Berger-Wolf, T., W. Hart and J. Saia. 2004. "Discrete Sensor Placement Problems in Distribution Networks." *Journal of Mathematical and Computer Modeling*.

Berger-Wolf, T., C. Moore, and J. Saia. 2004. "A Computational Approach to Animal Breeding." Computational and Mathematical Population Dynamics and Journal of Theoretical Biology.

Veroff, Robert

McCune, W., R. Padmanabhan and R. Veroff. 2004. "Yet Another Single Law for Lattices." *Algebra Universalis*, 50(2):165-169.

Helman, P., R. Veroff, S. Atlas and C. Willman. 2004. "A Bayesian Network Classification Methodology for Gene Expression Data." *Journal of Computational Biology*, 11(4):581-615.

Veroff., R. and M. Spinks. 2004. "On a Homomorphism Property of Hoops." *Bulletin of the Section of Logic*, 33(3):135-142.

Williams, Lance

Zweck, J.W. and L.R. Williams. 2004. "Euclidean Group Invariant Computation of Stochastic Completion Fields Using Shiftable-Twistable Functions." *Journal of Mathematical Imaging and Vision* 21(2), pp. 135-154.

Electrical and Computer Engineering

Abdallah, Chaouki T.

- C.G. Christodoulou, J.A. Rohwer, J.A. and C.T. Abdallah, "The Use of Machine learning in Smart Antennas," *Proceedings of IEEE 2004 Antennas and Propagation Society Symposium*, Vol. 1, June 2004, pp. 321-324.
- J. Ghanem, C.T. Abdallah, M.M. Hayat, S. Dhakal, J.D. Birdwell, J. Chiasson, and Z. Tang, "Implementation of Load Balancing Algorithms over a Local Area Network and the Internet," *Proceedings of IEEE CDC*, The Bahamas, pp. 4199-4204, December 2004.
- J.D. Birdwell, J. Chiasson, Z. Tang, C.T. Abdallah, M. Hayat, and T. Wang, *Dynamic Time Delay Models for Load Balancing Part I: Deterministic Models*, pp. 355-370, Springer-Verlag Edited Volume, S.I. Niculescu, and K. Gu editors, 2004.
- M. Hayat, S. Dhakal, C.T. Abdallah, J.D. Birdwell, and J. Chiasson, *Dynamic Time Delay Models for Load Balancing Part II: A Stochastic Analysis of the Effect of Delay Uncertainty*, pp. 371-388, Springer-Verlag Edited Volume, S.I. Niculescu, and K. Gu editors, 2004.
- P. Hokayem, and C.T. Abdallah, "Inherent Issues in Networked Control Systems: A Survey," *Proceedings of 2004 American Control Conference*, pp. 4897--4902, Boston, MA, June 2004.
- P.F. Hokayem, C.T. Abdallah, P. Dorato, S. Mastellone, "An Overview of Quasi-Monte Carlo Methods in Control Systems," *Proceedings of MTNS*, Leuven, Belgium July 5-9 2004.
- P.F. Hokayem, S. Mastellone, and C.T. Abdallah, *Nonlinear Systems Stability via Random and Quasi-Random Methods*, Springer-Verlag Edited Volume, G. Calafiore and F. Dabbane, editors 2004.
- R.-Rodriguez, C.T. Abdallah, "Effects of Quantization, Saturation, and Sampling Time in Multi Output Systems," *Proceedings of IEEE CDC*, The Bahamas, pp. 4509-4514, December 2004.
- S. Mastellone, C.T. Abdallah, and P. Dorato, "Finite-Time Stochastic Stability of Discrete-Time Nonlinear Systems: Analysis and Design," *Proceedings of IEEE CDC*, The Bahamas, pp. 2572-2577, December 2004.

- S. Bengea, P.F. Hokayem, R. DeCarlo, and C.T. Abdallah, *Suboptimal Control Techniques for Hybrid Systems Operating via Networks*, Springer-Verlag Edited Volume, pp. 281-302, S. Tarbouriech, C.T. Abdallah, and J. Chiasson, editors 2004.
- S. Dhakal, M. Hayat, J. Ghanem, H. Jerez, C.T. Abdallah, J.D. Birdwell and J. Chiasson, *On the Optimization of Load Balancing in Distributed Networks in the Presence of Delay*, pp. 223-244, Springer-Verlag Edited Volume, S. Tarbouriech, C.T. Abdallah, and J. Chiasson, Editors 2004.
- S. Mastellone, P.F. Hokayem, C.T. Abdallah, and P. Dorato, "Nonlinear Stability Analysis for Non-polynomial Systems," *Proceedings of 2004 American Control Conference*, pp. 1725-1730, Boston, MA, June 2004.
- S. Tarbouriech, C.T. Abdallah, and M. Ariola, *Bounded Control of Multiple-Delay Systems with Applications to ATM Networks*, pp. 339-354, Springer-Verlag Edited Volume, S.I. Niculescu, and K. Gu editors, 2004.
- S. Tarbouriech, C.T. Abdallah, and M. Ariola, *Saturated Controller Design of an ABR Explicit Rate Algorithm for ATM Switches*, pp. 159-176, Springer-Verlag Edited Volume, S. Tarbouriech, C.T. Abdallah, and J. Chiasson, editors 2004.
- S. Tarbouriech, C.T. Abdallah, J.N. Chiasson, editors, "Advances in Communication Control Networks," Springer-Verlag, Heidelberg, *Lecture Notes in Control and Information Sciences*, Vol. 308, 2004.
- S.C. Benga, P. Hokayem, R. deCarlo, and C.T. Abdallah, "Suboptimal Control Techniques for Networked Hybrid Systems," *Proceedings of IEEE CDC*, The Bahamas, pp. 491-496, December 2004.
- Z. Tang, J.D. Birdwell, J. Chiasson, C.T. Abdallah, M.M. Hayat, "Closed Loop Control of a Load Balancing Network with Time Delays and Processor Resource Constraints," pp. 245-268, Springer-Verlag Edited Volume, S. Tarbouriech, C.T. Abdallah, and J. Chiasson, editors 2004.
- Z. Tang, J.D. Birdwell, J. Chiasson, C.T. Abdallah, and M.M. Hayat, "A Time Delay Model for Load Balancing with Processor Resource Constraints," *Proceedings of IEEE CDC*, The Bahamas, pp. 4193-4198, December 2004.

Bader, David

"A Framework for Measuring Supercomputer Productivity," M. Snir and D.A. Bader, *The International Journal of High Performance Computing Applications*, 18 (4): 417-432, 2004.

- "A Novel FDTD Application Featuring Open MP-MPI Hybrid Parallelization," M.F. Su, I. El-Kady, D. A. Bader, and S.-Y. Lin, *Proceedings of 33rd Int'l Conf. on Parallel Processing (ICPP)*, Montreal, Canada, pp. 373-379, August 15-18, 2004.
- "A Parallel State Assignment Algorithm for Finite State Machines," D.A. Bader and K. Madduri, *Proceeding of the 11th IEEE International Conference on High Performance Computing (HiPC 2004)*, L. Boug'e and V.K. Prasanna, (eds.), Springer-Verlag LNCS 3296, 297 308, Bangalore, India, December 2004.
- "An Improved, Randomized Algorithm for Parallel Selection With an Experimental Study," D.A. Bader, *Journal of Parallel and Distributed Computing*, 64 (9): 1051-1059, 2004.
- "Computational Biology and High-Performance Computing," D.A. Bader, Special Issue on Bioinformatics, C. Stewart (ed.), *Communications of the ACM*, 47 (11): 34-41, 2004.
- "Fast Shared-Memory Algorithms for Computing the Minimum Spanning Forest of Sparse Graphs," D.A. Bader and G. Cong, *Proceedings of the 18th IEEE Int'l Parallel and Distributed Processing Symp. (IPDPS)*, Santa Fe, NM, April 26-30, 2004.
- "Fast, Sparse Graph Algorithms using Symmetric Multiprocessors," D.A. Bader, Proceedings of the Minisymposium on Combinatorial Algorithms and Parallel Computing, 11th SIAM Conference on Parallel Processing for Scientific Computing (PP04), San Francisco, CA, February 25-27, 2004.
- "High-Performance Computing for Reconstructing Evolutionary Trees from Gene-Order Data," D.A. Bader, *Proceedings of the Minisymposium on Parallel Computational Biology, 11th SIAM Conference on Parallel Processing for Scientific Computing (PP04)*, San Francisco, CA, February 25-27, 2004.
- "Lock-free Parallel Algorithms: An Experimental Study," G. Cong and D.A. Bader, *Proceedings of the 11th IEEE International Conference on High Performance Computing (HiPC 2004)*, L. Boug'e and V.K. Prasanna, (eds.), Springer-Verlag LNCS 3296, 516-527, Bangalore, India, December 2004.
- "Scalable Graph Algorithms for Shared Memory," D.A. Bader, *Proceedings of the 11th SIAM Conference on Parallel Processing for Scientific Computing (PP04)*, San Francisco, CA, February 25-27, 2004.
- "Special Issue: High Performance Computational Biology," D.A. Bader and S. Aluru, Concurrency and Computation: Practice and Experience, 16 (9): 817-821, 2004.

- "The Euler Tour Technique and Parallel Rooted Spanning Tree," G. Cong and D.A. Bader, *Proceedings of the 33rd Int'l Conf. on Parallel Processing (ICPP)*, Montreal, Canada, pp. 448-457, August 15-18, 2004.
- D.A. Bader and A.A. Khokhar, editors, *Proceedings of the 17th ISCA International Conference on Parallel and Distributed Computing Systems (PDCS 2004)*, San Francisco, CA, September 15-17, 2004.
- D.A. Bader and S. Aluru, editors, *Proceedings of the Third IEEE International Workshop on High Performance Computational Biology (HiCOMB 2004)*, IEEE Computer Society Press, Santa Fe, NM, April 26, 2004.
- D.A. Bader and S. Aluru, guest editors, "Special Issue: High Performance Computational Biology," *Concurrency and Computation: Practice and Experience*, John Wiley & Sons, 16 (9): 817-988, 2004.
- D.A. Bader, A.Y. Zomaya, et al. Editors. *Handbook of Innovative Computing*, Springer-Verlag USA, 2004.
- D.A. Bader, W.E. Hart, and C.A. Phillips, "Parallel Algorithm Design for Branch and Bound," in H.J. Greenberg, editor, *Tutorials on Emerging Methodologies and Applications in Operations Research*, Kluwer Academic Press, Chapter 5, pp. 1-44, 2004.

Brueck, Steven R.J.

- A. Abdo, G. Nellis, A. Wei, M. El-Morsi, R. Engelstad, S.R.J. Brueck and A. Neumann, Optimizing the fluid dispensing process for immersion lithography, *J. Vac. Sci. Technol.* 22, 3454-3458 (2004).
- A. Biswas and S.R.J. Brueck, Simulation of the 45-nm Half-Pitch Node with 193-nm Immersion Lithography, *J. Microlithography, Microfabrication, and Microsystems* 3, 35-43 (2004).
- A. Frauenglass, S. Smolev, A. Biswas, S.R.J. Brueck, 244-nm Imaging Interferometric Lithography, J. Vac. Sci. Technol. 22, 3465-3469 (2004).
- A.K. Raub, A. Frauenglass, S.R.J. Brueck, W. Conley, R. Dammel, A. Romano, M. Sato and W. Hinsberg, Deep-UV Immersion Interferometric Lithography, *Proc. SPIE* 5377, 306-318 (2004).
- A.K. Sharma, S.H. Zaidi, S. Lucero, S.R.J. Brueck and N.E. Islam, Mobility and Transverse Electric Field Effects in Channel Conduction of Wrap-Around Gate Nanowire MOSFETs, *IEE Proc. Circuits, Devices and Systems* 151, 422–431 (2004).

- A.M. Biswas, A. Frauenglass, and S.R.J. Brueck, Simulation of the 45-nm Half-Pitch Node with 193-nm Immersion Lithography, *Proc. SPIE 5377*, 1579-1586 (2004).
- A.K. Raub, A. Frauenglass, S.R.J. Brueck, W. Conley, R. Dammel, A. Romano, M. Sato, W. Hinsberg, Imaging Capabilities of Resist in Deep-UV Liquid Immersion Interferometric Lithography, *J. Vac. Sci. Technol.* 22, 3459-3464 (2004).
- D. Xia and S.R.J. Brueck, Lithographically Directed Deposition of Silica Nanoparticles using Spin Coating, *J. Vac. Sci. Technol.* 22, 3415-3420 (2004).
- D. Xia, D. Li, A. Biswas and S.R.J. Brueck, Directed Self-Assembly of Silica Nanoparticles on Nanoscale Patterned Surfaces by Spin-Coating, *Advanced Materials* 16, 1427-1432 (2004).
- D. Xia and S.R.J. Brueck, A Facile Approach to Directed Assembly of Patterns of Nanoparticles using Interference Lithography and Spin-Coating, *Nano Letters* 4, 1295-1299 (2004).
- E. Rabinovich, T. Sviminoshvilli, M.J. O'Brien, S.R.J. Brueck and G.P. Lopez, Dual closed-loop, optoelectronic, auto-oscillatory detection circuit for monitoring fluorescence lifetime-based chemical sensors and biosensors, *J. Biomedical Opt.* 9, 609-617 (2004).
- S. Birudavolu, N. Nuntawong, G. Balakrishnan, Y.C. Xin, S. Huang, S.C. Lee, S.R.J. Brueck, C.P. Hains and D.L. Huffaker, Selective Area Growth of InAs Quantum Dots formed on a Patterned GaAs Substrate, *App. Phys. Lett.*85, 2337-2339 (2004).
- S.C. Lee and S.R.J. Brueck, Equilibrium Crystal Shape of GaAs in Nanoscale Patterned Growth, *J. of Applied Physics* 96, 1214-1218 (2004).
- S.C. Lee and S.R.J. Brueck, Nanoscale Two-Dimensional Patterning on Si (001) by Large-Area Interferometric Lithography and Anisotropic Wet Etching, *J. Vac. Sci. Technol.* 22, 1949-1952 (2004)
- S.C. Lee, L.R. Dawson, and S.R.J. Brueck, Heteroepitaxial Selective Growth of In_xGa_{1-x}As on SiO₂-Patterned GaAs(001) by Molecular Beam Epitaxy, *J. Appl. Phys.* 96, 4856–4865 (2004).
- S.C. Lee, L.R. Dawson, B. Pattada, S.R.J. Brueck, Y.-B. Jiang and H.F. Xu, A Strain-Relieved, Dislocation-Free In_xGa_{1-x}As (100) Heterostructure by Nanoscale Patterned Growth, *Appl. Phys. Lett.* 85, 4181-4183 (2004).

- S.C. Lee, X.Y. Sun, S.D. Hersee and S.R.J. Brueck, Phase Control of GaN on Si by Nanoscale Faceting in Metal-Organic Vapor-Phase Epitaxy, *J. Cryst. Growth* 272, 2-8 (2004).
- S.C. Lee, X.Y. Sun, S.D. Hersee, F. Xu and S.R.J. Brueck, Spatial Phase Separation of GaN Selectively Grown on a Nanoscale Faceted Si Surface, *Appl. Phys. Lett.* 84, 2079-2082 (2004).
- S.R.J. Brueck and A.M. Biswas, Extension of 193-nm Immersion Optical Lithography to the 22-nm Half-Pitch Node, *Proc. SPIE 5377*, 1315-1322 (2004).
- S. Zhang, W. Fan, A. Frauenglass, B.K. Minhas, K.J. Malloy and S.R.J. Brueck, Fabrication of 1D and 2D Vertical Nanomagnetic Resonators, *Jour. Vac. Sci. Technol* 22, 3327-3330 (2004).
- T.M. Tridhavee, B. Santhanam, and S.R.J. Brueck, Optimization and apodization of aerial images at high NA for imaging interferometric lithography, *Proc. SPIE 5377*, 1544-1554 (2004).
- X.-Y. Sun, M. Fairchild, R. Bommena, S.D. Hersee, D. Burckel, A. Frauenglass and S.R.J. Brueck, Defect Reduction Mechanisms in the Nanoheteroepitaxy of GaN on SiC, *J. Appl. Phys.* 95, 1450-1454 (2004).
- Y. Luo, A. Biswas, A. Frauenglass and S.R.J. Brueck, Large Second Harmonic Signal in Thermally Poled Lead Glass-Silica Waveguides, *Appl. Phys. Lett.* 84, 4935-4937 (2004).

Caudell, Thomas

Alverson D.C., Saiki S.M., and Caudell T.P., "Telehealth in Cyberspace: Virtual Reality for Distance Learning in Health Education and Training," in *Understanding Health Communication Technologies*, P. Whitten and D. Cook editors, Jossey-Bass Publishers, pp. 212-224 (2004).

Alverson D.A., Saiki S.M., Jacobs J., Saland L., Keep M.F., Norenberg J., Baker R., Nakatsu C., Kalishman S., Lindberg M., Wax D., Mowafi M.Y., Summers K.L., Holten J.R., Greenfield J.A., Aalseth E., Nickles D., Sherstyuk A., Haines K. and Caudell T.P., "Distributed Interactive Virtual Environments for Collaborative Experiential Learning and Training Independent of Distance of Internet2," *Proceedings of Medicine Meets Virtual Reality*, Newport Beach, CA (2004).

Alverson D.C., Saiki S.M., Caudell T.P., Summers K.L., Goldsmith T.E., Wax D.S., Bower M., Lui A., Wilks D., "Distributed Immersive Virtual Reality Simulation Development for Medical Education," *Proceeding of the International Association of Medical Science Educators*, (2004).

Summers K.L., Caudell T.P., Berkbigler K., Bush B., Davis K., and Smith S.A., "Visualization for the Analysis of the Structure and Dynamics of Extreme-Scale Supercomputer Architectures," *Journal of Information Visualization*, Palgrave Macmillan, Vol. 3 No. 3, pp. 209-221 (2004).

Chen, Jingkuang

P. Gulvin, J. Kubby, J. Chen, et al., "Silicon-on-insulator-based Optical Add-Drop Multiplexers," *Proceedings of Digest Solid-State Sensor and Actuator Workshop*, Hilton Head, South Carolina, pp. 356-359, June 2004.

Christodoulou, Christos

- M. Chryssomallis and C.G. Christodoulou, "Antenna Radiation Patterns" in John Wiley, *Encyclopedia of RF and Microwave Engineering*, 2004.
- C.G. Christodoulou and P.F. Wahid, "Antennas" in John Wiley, *Encyclopedia of RF and Microwave Engineering*, 2004.
- M.T. Chryssomallis and C.G. Christodoulou, "A Circuit-based Optimization Approach for Improving the Pattern of Uniform Array Antennas via Phase Control," *IEEE Transactions on Antennas and Propagation*, vol. 52, no. 10, pp. 2776-2781, Oct. 2004.
- J.A. Gaudet, R.J. Barker, C.J. Buchenauer, C. Christodoulou, J. Dickens, M.A. Gundersen, R.P. Joshi, H.G. Krompholz, J.F. Kolb, A. Kuthi, M. Laroussi, A. Neuber, W. Nunnally, E. Schamiloglu, K.H. Schoenbach, J.S. Tyo, and R.J. Vidmar, "Research Issues in Developing Compact Pulsed Power for High Peak Power Applications on Mobile Platforms," *Proceedings of the IEEE*, vol. 92, no. 7, pp. 1144-1165, July 2004.
- G. Tzeremes, T.S. Liao, P.K.L. Yu and C.G. Christodoulou, "Integration Issues of a Waveguide Photodetector with a CPW fed three element Slot Antenna," *Proceedings of IEEE AP/URSI Symposium*, Monterrey, CA, June 2004.
- K.V. Nikolakopoulos, D. Anagnostou, C.G. Christodoulou and M.T. Chryssomallis, "Estimation of Direction of Arrival for Coherent Signals in Wireless Communication Systems," *Proceedings of IEEE AP/URSI Symposium*, Monterrey, CA, June 2004.
- B.A. Karr, T.E. Durham, M.T. Chryssomallis, J.A. Kralovec, G.K. Gothard and C.G. Christodoulou, "Integral Equation Analysis and Investigation of a Broadband Cavity Backed Array Antenna," *Proceedings of IEEE Transactions on Antennas and Propagation*, vol. 52, no. 7, pp. 1913–1916, July 2004.

- M. Joler, C.G. Christodoulou, J. Gaudet, and E. Schamiloglu, "Effects of Bending in a Stacked, Parallel-plate Bleumlein Pulse Forming Line," *Proceedings of the 31st International Conference on Plasma Science*, June 28-July 1, Baltimore, MD, 2004.
- M. Joler, C.G. Christodoulou, E. Schamiloglu, and J. Gaudet, "Effects of a Non-Standard Design of a Dielectric in a Blumlein-configuration Parallel-plate Pulse forming Line," *Proceedings of IEEE AP/URSI Symposium*, Monterrey, CA, June 2004.
- A. Patnaik, D.E. Anagnostou, R.K. Mishra, C.G. Christodoulou, and J.C. Lyke, "Applications of Neural Networks in Wireless Communications," *IEEE Antennas and Propagation Magazine*, June 2004, pp. 130-137.
- G. Tzeremes, P. Kirawanich, C.G. Christodoulou, and N.E. Islam, "Transmission lines as radiating elements in aperture interactions for electromagnetic topology simulations," *Proceedings of IEEE Antennas and Wireless Propagation Letters*, vol. 3, no. 15, pp. 283-286, 2004.
- G. Tzeremes, H. Tanner, T.S. Liao, and C.G. Christodoulou, "Wireless Communication with 'Smart' Photonic Antennas using Transmission Power Control," *Proceedings of IEEE Antennas and Wireless Propagation Letters*, 2004, vol. 3, no. 13, pp. 232-235, 2004.
- V. Zachou, G. Mavridis, C.G. Christodoulou and M.T. Chryssomallis, "Transmission Line Model Design Formula for Microstrip Antennas with Slots." *Proceedings of the IEEE AP/URSI Symposium*, Monterrey, CA, June 2004.

Hawkins, Charles

CMOS Electronics: How it Works, How it Fails, Wiley-IEEE Press, April 2004.

"CMOS IC technology Scaling and Its Impact on Burn-in," *IEEE Transactions on Device and Materials Reliability*, pp. 208-221, June 2004.

"Parametric Failures can be a Pain in the Backside," ASM, Electron Device Failure Analysis Magazine, pp. 13-18, August 2004.

Hayat, Majeed

B.S. Paskaleva, M.M. Hayat, M.M. Moya, and R.J. Fogler, "Multispectral rock type separation and classification," *Proceedings of SPIE 49th Annual Meeting of the SPIE: Infrared Spaceborne Remote Sensing XII*, (A.G. Tescher, ed.), Denver, CO, August 2-6, vol. 5543, pp. 152-163, 2004.

- J.D. Birdwell, J. Chiasson, Z. Tang, C.T. Abdallah, M.M. Hayat, and T. Wang, Dynamic time delay models for load balancing, Part I: Deterministic models. In *Advances in Time Delay Systems, in the Series Lecture Notes in Computational Science and Engineering*, (K. Gu and S.-I. Niculescu, editors), vol. 38, pp. 355-370, Springer: Berlin, 2004.
- J. Ghanem, C.T. Abdallah, M.M. Hayat, S. Dhakal, J.D. Birdwell, J. Chiasson and Z. Tang, "Implementation of Load Balancing Algorithms over a Local Area Network and the Internet," *Proceedings of the IEEE Conference on Decisions and Controls*, Atlantis, Paradise Island, Bahamas, Dec. 14-17, 2004.
- J. Ghanem, S. Dhakal, M.M. Hayat, H. Jerez, C.T. Abdallah, and J. Chiasson, "Load Balancing in Distributed Systems with Large Time Delays: Theory and Experiment," *Proceedings of the 12th Mediterranean Conference on Control and Automation*, Kusadasi, Turkey, June 6-9, 2004.
- M.M. Hayat, B.M. Ratliff, and J.S. Tyo, "Generalized algebraic algorithm for scene-based nonuniformity correction," *Proceedings of the 49th Annual Meeting of the SPIE: Photonic Devices and Algorithms for Computing VI*, (K.M. Iftekharuddin, A. Ahad, and S. Awwal; eds.), Denver, CO, August 2-6, SPIE vol. 5556, pp. 122-136, 2004.
- M.M. Hayat, S. Dhakal, C.T. Abdallah, J. Chiasson, and J.D. Birdwell, Dynamic time delay models for load balancing. Part II: Stochastic analysis of the effect of delay uncertainty. In *Advances in Time Delay Systems, in the series Lecture Notes in Computational Science and Engineering*, (K. Gu and S.-I. Niculescu, editors), vol. 38, pp. 371-385, Springer: Berlin, 2004.
- O.-H. Kwon, M.M. Hayat, J.C. Campbell, B.E.A. Saleh, and M.C. Teich, "Optimized Breakdown Probabilities in AlGaAs-GaAs Heterojunction Avalanche Photodiodes," *IEEE Electron Device Letters*, vol. 25, no. 9, pp. 599-601, 2004.
- O.-H. Kwon, A. Grine, A. Haji, M.M. Hayat, J.C. Campbell, B.E.A. Saleh and M.C. Teich, "Breakdown Characteristics of In_{0.52}Al_{0.48}As-InP Heterojunction APDs," *Proceedings of the IEEE-LEOS 2004 Annual Meeting: Photodetectors and Imaging*, Puerto Rico, vol. 1, pp. 76-77, November 7-11, 2004.
- O.-H. Kwon, M.M. Hayat, J.C. Campbell, B.E.A. Saleh, and M.C. Teich, "Effect of stochastic dead space on noise in avalanche photodiodes," *IEEE Trans. Electron Devices*, vol. 51, pp. 693-700, 2004.

- S. Dhakal, M.M. Hayat, J. Ghanem, C.T. Abdallah, H. Jerez, J. Chiasson, and J.D. Birdwell, On the optimization of load balancing in distributed networks in the presence of delay. In *Advances in Communication Control Networks, in the Series Lecture Notes in Control an Information Sciences (LCNCIS)*, (S. Tarbouriech, C.T. Abdallah, and J. Chiasson, editors), LNCSE, vol. 308, pp. 223-244, Springer-Verlag, 2004.
- U. Sakoglu, J.S. Tyo, M.M. Hayat, S. Raghavan, and S. Krishna, "Spectrally Adaptive Infrared Photodetectors Using Bias-Tunable Quantum Dots," *Journal of the Optical Society of America B*, vol. 21, pp. 7-17, Jan. 2004.
- U. Sakoglu, R.C. Hardie, M.M. Hayat, B.M. Ratliff and J.S. Tyo, "An algebraic restoration method for estimating fixed pattern noise in infrared imagery from a video sequence," *Proceedings of SPIE 49th Annual Meeting of the SPIE: Applications of Digital Image Processing XXVII*, Denver, CO, August 2-6, vol. 5558, pp. 69-79, 2004.
- U. Sakoglu, Z. Wang, P. Dowd, M.M. Hayat, J.S. Tyo, and S. Krishna, "Quantum-Dot Detectors for Mid-Infrared Sensing: Bias Controlled Spectral Tuning and Matched Filtering," *Proceedings of SPIE International Symposium on Optics East: Nanosensing, Materials and Devices*, Phildelphia, PA, October 25-29 (M.S. Islam, A.K. Dutta; eds.), vol. 5593, pp. 396-407, 2004.
- Y. Pan, C.S. Ierotheou, and M.M. Hayat, "Parallel Gain-Bandwidth Characteristics Calculations for Thin Avalanche Photodiodes on an SGI Origin 2000 Supercomputer," *Concurrency and Computation: Practices and Experience*, John Wiley & Sons, July 2004.
- Z. Tang, J.D. Birdwell, J. Chiasson, C.T. Abdallah and M.M. Hayat, "A Time Delay Model for Load Balancing with Processor Resource Constraints," *Proceedings of the IEEE Conference on Decisions and Controls (CDC-03)*, Atlantis, Paradise Island, Bahamas, Dec. 14-17, 2004.
- Z. Tang, J.D. Birdwell, J. Chiasson, C.T. Abdallah, and M.M. Hayat, Closed loop control of a load balancing network with time delays and processor resource constraints. In *Advances in Communication Control Networks, in the series Lecture Notes in Control an Information Sciences (LCNCIS)*, (S. Tarbouriech, C.T. Abdallah, and J. Chiasson, Editors), LNCSE vol. 308, pp. 245-263, Springer-Verlag, 2004.
- Z. Wang, U. Sakoglu, S. Annamalai, N.-R. Weisse-Bernstein, P. Dowd, J.S. Tyo, M.M. Hayat and S. Krishna, "Real-time implementation of spectral matched filtering algorithms using adaptive focal plane array technology," *Proceedings of the SPIE 49th Annual Meeting of the SPIE: Imaging Spectrometry X*, (S.S. Shen, P.E. Lewis; eds.) Denver, CO, August 2-6, vol. 5546, pp. 73-83, 2004.

Heileman, Greg

- P.A. Jamkhedkar and G.L. Heileman. DRM as a Layered System. *Proceedings of the Forth ACM Workshop on Digital Rights Management*, Washington, DC, pp. 11-21, October 25, 2004.
- W. Luo and G.L. Heileman. Information-theoretic Study of Hashing Algorithms. *Proceedings of the 8th World Multi-Conference on Systemics, Cybernetics and Informatics*, Orlando, FL, Volume II, pp. 185--190, July 18-21, 2004.
- W. Luo and G.L. Heileman. Analysis of Hashing Performance Accounting for Modern Memory Hierarchies. *Proceedings of the 8th World Multi-Conference on Systemics, Cybernetics and Informatics*, Orlando, FL, Volume IX, pp. 23-28, July 18-21, 2004.
- W. Luo and G.L. Heileman. Chaotic Properties of Exponential Hashing. *Proceedings of International Conference on Cybernetics and Information Technologies, Systems and Applications*, Orlando, FL, Volume II, pp. 196-201, July 21-25, 2004.
- W. Luo and G.L. Heileman. Improved Exponential Hashing. *IEICE Electronics Express*, 1 (7): 150-155, 2004.
- W. Luo and G.L. Heileman. Properties of Exponential Hashing. *IEICE Transactions on Fundamentals of Electronics*, Communications and Computer Sciences, E87-A (9), September 2004.

Hersee, Steve

- "Defect Reduction Mechanisms in the Nanoheteroepitaxy of GaN on SiC", X.Y. Sun, R. Bommena, D. Burckel, A. Frauenglass, M. Fairchild, S.R.J. Brueck, G.A. Garrett, M. Wraback and S.D. Hersee, *J. Appl. Phys.*, 95, (2004), 1450–1454.
- "Nanostructured Devices for Separation and Analysis," G.P. Lopez, S.R.J. Brueck, S.D. Hersee, (2004) *Patent No. 6,685,841 B2*.
- "Analysis of GaN on Highly-Compliant Nanoscale Pillar Arrays," S.D. Hersee. *Proceedings of the International Conference on Alternative Substrate Technology*, March 21–25, 2004, Chamonix, France.
- "Spatial phase separation of GaN selectively grown on a nanoscale faceted Si surface," S.C. Lee, X. Sun, S.D. Hersee, H. Xu, and S.R.J. Brueck, *Appl. Phys. Lett.*, 84 (2004).
- "Heteroepitaxy of high quality Ge on Si by nanoscale Ge seeds grown through a thin layer of SiO₂," Q. Li, Y.-B. Jiang, H. Xu, S.D. Hersee, and S.M. Han *Appl. Phys. Lett.*, 85 (11), 1928 (2004).

Huffaker, Diana

- D.L. Huffaker, G. Balakrishnan, S. Huang, H. Xu and L.R. Dawson, "Evolution of Qdashes on a GaAs substrate/metamorphic buffer layer," *Proceedings of the Photonics West, Quantum Dot, Nanostructures and Nanoclusters Symposium*, 5361-8, San Jose, CA, January 2004.
- D.L. Huffaker, G. Balakrishnan, S. Huang, L.R. Dawson Y.-C. Xin and P. Conlin, "Defect-free, Monolithic III-V Nucleation on Si using AlSb Self-Assembled Quantum Dots," *Proceedings of the Emerging Technology in Optical Science*, July 2004, Cork, Ireland.
- D.L. Huffaker, G. Balakrishnan, S. Huang, L.R. Dawson Y.-C. Xin and P. Conlin "Monolithic, Defect-Free III-V on Si using Self-Assembled AlSb Quantum Dot Nucleation," *Proceedings of the International Conference on Solid State Devices and Materials*, Tokyo, Japan, September 2004.
- D.L. Huffaker, "InGaSb/AlSb quantum wells grown on Si substrates for long-wave emitters," *Proceedings of SPIE's European Symposium on Optics and Photonics for Defence and Security*, London, United Kingdom, October 2004.
- D.L. Huffaker, "Patterned Quantum Dot Formation," *Proceedings of Frontiers of Optics Symposia*, Estes Park, CO, August 2004.
- D.L. Huffaker, "QD formation using strain-based processes and nanopatterning," *Proceedings of the SPIE Annual*, Philadelphia, PA, October 2004.
- G. Balakrishna, A. Koshlakaugh, S.H. Huang, L.R. Dawson and D.L. Huffaker, "Undulating crystal structure for strain relief in highly mismatched epitaxy," *Proceedings of the North American Molecular Beam Epitaxy Conference*, Banff, Canada, October 2004.
- G. Balakrishnan, S. Huang, L.R. Dawson Y.-C. Xin, P. Conlin and D.L. Huffaker, "Defect-free, Monolithic III-V Nucleation on Si using AlSb Self-Assembled Quantum Dots," *Proceedings of the North-American MBE Conference*, Banff, Canada, October 2004.
- G. Balakrishnan, S. Huang, L.R. Dawson, Huifang Xu, and D.L.Huffaker, "Analysis of Atomic Structure in InAs Quantum Dashes Grown on AlGaAsSb Metamorphic Buffers Using HR-TEM," *J. Vacuum Science and Technology*, 22, 3, 1529-1533, May 2004.
- G. Balakrishnan, S. Huang, L.R.Dawson, H. Xu and D.L. Huffaker, "Strain-based Manipulation of 3-D Quantum Structure," *Proceedings of the Electronic Materials Conference*, Purdue University, June 2004.

- G. Balakrishnan, S. Huang, T.J. Rotter, A. Stintz, L.R. Dawson, K.J. Malloy, H. Xu, and D.L. Huffaker, "2 μm emission from InAs quantum dashes grown on a GaAs substrate using AlGaAsSb metamorphic buffers," *Appl. Phys Lett.* 84, 2058-2060, March 2004.
- G. Balakrishnan, S. Huang, T.J. Rotter, A. Stintz, L.R. Dawson, K.J. Malloy, H. Xu and D.L. Huffaker, "2.0 µm Wavelength InAs Quantum Dashes Grown on a GaAs Substrate using a Metamorphic Buffer Layer," *Virtual Journal of Nanoscale Science & Technology*, March 2004.
- N. Nuntawong, S. Birudavolu, C.P. Hains, S. Huang, H. Xu and D.L. Huffaker, "Effect of strain-compensation in stacked 1.3 µm InAs/GaAs quantum dot active regions grown by MOCVD," *Appl. Phys. Lett.* 85, 3050-3053, October 2004.
- N. Nuntawong, S. Birudavolu, C.P. Hains, S. Huang, H. Xu and D.L. Huffaker, "Effect of strain-compensation in stacked 1.3 µm InAs/GaAs quantum dot active regions grown by MOCVD," *Virtual Journal of Nanoscale Science & Technology*, November 2004.
- S. Birudavolu, N. Nuntawong, G. Balakrishnan, Y.C. Xin, S. Huang, S.C. Lee, S.R.J. Brueck, C.P. Hains and D.L. Huffaker, "Selective Area Growth of InAs Quantum Dots Formed on a Patterned GaAs Substrate," *Appl. Phys. Lett.*, 85, 2337-2340, September 2004.
- S. Birudavolu, S.Q. Luong, C.P. Hains and D.L. Huffaker, "Selective Area Growth using In-situ Mask Removal," *Proceedings of LEOS Annual Meeting*, San Juan, Puerto Rico, November 2004.
- S.W. Osborne, P. Blood, P.M. Smowton, Y.C. Xin, A. Stintz, D.L. Huffaker, and L.F. Lester, "Optical absorption cross section of quantum dots," *J. Phys.: Condens. Matter* 16, S3749–S3756, 2004.
- S.W. Osborne, P. Blood, P.M. Smowton, and J. Lutti, Y.C. Xin, A. Stintz, D.L. Huffaker, and L.F. Lester, "Energy Distributions of carriers in Quantum Dot Lasers and Structures," *Proceedings of SPIE*, vol. 5349, 63-68, June 2004.

Jain, Ravi

A. Mocofanescu, L. Wang, R. Jain, K.D. Shaw, P. Peterson, A. Gavrielides, "Experimental and theoretical investigations on stimulated Brillouin scattering (SBS) in multimode fibers at 1550 nm wavelength," *Proc. SPIE*, vol. 5581, pp. 654-657, 2004.

- A. Mocofanescu, L. Wang, R. Jain, K.D. Shaw, P. Peterson, A. Gavrielides, P.M. Sharma, "Stimulated Brillouin Scattering (SBS) extraction: From bulk to optical fibers," *Proc. 17th Annual Lasers and Electro-Optics Society Meeting*, Puerto Rico, Nov. 2004.
- A. Mocofanescu, L. Wang, R. Jain, K.D. Shaw, P. Peterson, A. Gavrielides, P.M. Sharma, "SBS threshold for single mode and multimode GRIN fibers in an all-fiber configuration," *Optics Express*, 2004.
- H. Sanghvi, X. Zhu, R.H. Stolen, and R.K. Jain, "Characterization of an ultrabroadband all-fiber polarization transformer," *IEEE Photonics Tech. Lett.*, 2004.
- J. Casson, R.K. Jain et al, "Electro-optic coefficients of lithium tantalate at near-infrared wavelengths," *J. Opt. Soc. Am.*, vol. B21, pp. 1948-1952, 2004.
- J. Tafoya, J. Pierce, R.K. Jain, and B. Wong, "Efficient and compact high-power ~3 um mid-IR lasers for surgical applications," *Lasers in Surgery: Advanced Characterization, Therapeutics and Systems XIV*, ed. Kenneth Bartels et al, *Proc. SPIE*, vol. 5312, 2004.
- L. Wang, Z. Zhang, and R.K. Jain, F. Vanholsbeeck, S. Murdoch, and J. Harvey, "Measurement of Two-Photon Absorption Coefficients in Colloidal Semiconductor Quantum Dots," *Proc. 17th Annual LEOS Meeting*, pp. WD4, 2004.
- R.K. Jain, L. Wang, L. Lester, R. Watts, and J. Harvey, "Devices Based on Two-Photon Absorption in Quantum Dots and Other Quantum-Confined Structures," *SPIE Proceedings, Photonics* 2004, December 2004.
- X. Zhu and R. Jain, "5W Diode-pumped compact and efficient cw mid-IR lasers at 3um," *Proc. 17th Annual Meeting*, LEOS, 2004.

Jamshidi, Mo

- H. Berenji, Y. Wang, D. Vebgerov, R. Langari and M. Jamshidi, "Using Gated Experts in Fault Diagnosis and Prognosis," *Proc. FUZZ-IEEE Conference*, Budapest, Hungary, July 25-28, 2004
- J. Liu and M. Jamshidi, "Cardiac system identification via fuzzy-neural systems," *Proc. Int. Conf. On Machine Learning and Cybernetics*, August 26-29, 2004, Shanghai, China.
- J. Liu, M. Jamshidi, and S. Pourbabak, "A Novel Auto Regression and Fuzzy-Neural Hybrid Method to Identify Cardiovascular Dynamics," *Proc. World Automation Congress Multimedia Track*, June 28-July 1, 2004, Seville, Spain.

- M. Jamshidi, A. Ollero, J.R. Martinez-de Dios and J.S. Jamshidi, (eds.), *Robotics: Recent Results in Research, Development and Applications, (Proc. ISORA 2004)*, Vol. 15 (Intelligent Automation and Soft Computing Series), Albuquerque, NM: TSI Press, 2004.
- M. Jamshidi, L. Foulloy, A. Elkamel and J.S. Jamshidi (eds.), *Automation and Control: Recent Results in Research*, *Development and Applications*, *Proc. ISIAC 200*), Vol. 16 (Intelligent Automation and Soft Computing Series), Albuquerque, NM: TSI Press, 2004.
- M. Jamshidi, M. Reuter, D. Andina and J.S. Jamshidi, (eds.), *Soft Computing: Trends, Principles and Applications, Proc. ISSCI 2004*, Vol. 17 (Intelligent Automation and Soft Computing Series), Albuquerque, NM: TSI Press, 2004.
- M. Jamshidi, Y. Hata, A. Kamrani and J.S. Jamshidi (eds.), *Multimedia, Image Processing, Biomedicine and Manufacturing, (Proc. IFMIP 2004 and ISOMA 2004*, Vol. 18 (Intelligent Automation and Soft Computing Series), Albuquerque, NM: TSI Press, 2004.
- P. Sridha and M. Jamshidi, "A Framework for Multi-agent Discrete Event Simulation: V-Lab®," *Proc. World Automation Congress Automation and Control Track*, June 28-July 1, 2004, Seville, Spain.
- P. Sridhar and M. Jamshidi, "Distributed multi-agent modeling and simulation," *Proc. IEEE Int. Conference on Systems, Man and Cybernetics*, The Hague, the Netherlands, October 2004.
- S. Beatty and M. Jamshidi, "Simulation of a Spacecraft Electrical Power Distribution System Using the Simulink Power System Blockset and Soft Computing Techniques," *Proc. World Automation Congress Automation and Control Track*, June 28-July 1, 2004, Seville, Spain.
- S. Sheikh-Bahaei and M. Jamshidi, "Discrete Event Fuzzy Logic Control with Application to Sensor-Based Intelligent," *Proc. World Automation Congress Robotics Track*, June 28-July 1, 2004, Seville, Spain.
- S. Sheikh-Bahaei, J. Liu, M. Jamshidi and P. Lino, "An Intelligent Discrete Event Approach to Modeling, Simulation and Control of Autonomous Agents," *Intelligent Automation and Soft Computing AutoSoft Journal*, Vol. 10, No. 4, pp. 337-348, 2004.
- T. Song, X.-M. Huang, R.R. Lee, C. Gasparovi, and M. Jamshidi, "A Hierarchical Tissue Segmentation Approach in Brain MRI Images," *Proc. World Automation Congress Biomedicine Track*, June 28-July 1, 2004, Seville, Spain.

- Y. Wang and M. Jamshidi, "Fuzzy Logic Applied in Remote Sensing Image Classification," *Proc. IEEE Conference on Systems, Man and Cybernetics*, The Hague, Netherlands, October 2004.
- Y. Wang and M. Jamshidi, "Remote sensing using fuzzy neural clustering techniques," *Proc. IEEE Int. Conference on Systems, Man and Cybernetics*, The Hague, Netherlands, October 2004.
- Y. Wang and M. Jamshidi, "A fuzzy-neural approach to remote sensing data clustering," *Proc. Int. Conf. On Machine Learning and Cybernetics*, August 26-29, 2004, Shanghai, China.
- Y. Wang and M. Jamshidi, "Multispectral Landsat Image Classification Using Fuzzy Expert Systems," *Proc. World Automation Congress Multimedia track*, June 28-July 1, 2004, Seville, Spain, pp. 21-26.
- Y. Wang, F. Benito, G.A. Vera, and M. Jamshidi, "Control Design for Diagnostic and Prognostic of Hardware Systems," *Proc. FUZZ-IEEE Conference*, Budapest, Hungary, July 25-28, 2004.
- Y. Wang, M. Jamshidi, S. Morain, P. Neville and C. Bales, "Multispectral Landsat Images Classification Using a Data Clustering Algorithm," *Proc. International Society for Photogrammetry and Remote Sensing*, Istanbul, Turkey, July 2004.

Jordan, Ramiro

- M. Castillo, D. Quintela, R. Jordan, W. Westhoff, W. Moreno, "Gíreles Sensor Networks for Flash-Flood Alerting," *Proceedings of the Fifth IEEE International Caracas Conference on Devices, Circuits and Systems*, Dominican Republic, Nov. 3-5, 2004.
- V. Licks, F. Ourique, R. Jordan, "Performance bounds on optimal watermark synchronizers," *Proceedings of Security, Steganography, and Watermarking of Multimedia Contents VI*, San Jose California, 2004, pp. 827-837.

Krishna, Sanjay

"Investigation of the energy-dependent charge dynamics in InAs SAQD's with Ultrafast Scanning Tunneling Microscopy," D. Yarotski, A.J. Taylor, A.L. Gray and S. Krishna, *Proceeding of the Conference on Laser/Electro-optics*, San Francisco May 2004.

"Normal Incidence InAs/InGaAs Quantum dots in a Well Detectors Spanning the Long Wave Atmospheric Window," *Journal of the Korean Physical Society*, Vol. 45, S875, Dec. 2004.

- "Study of structural and optical properties of quantum dots-in-a-well heterostructures," P. Rotella, G. von Winckel, S. Raghavan, A. Stintz, Y. Jiang, and S. Krishna, *J. Vac. Sci. Technol.*, B 22, 1512, 2004.
- "Time-resolved mid-infrared dynamics of an InAs/InGaAs quantum-dots-in-a-well detector," R.P. Prasankumar, R.D. Averitt, A.J. Taylor, G. von Winckel, A. Stintz, and S. Krishna, *Proceedings of Conference on Laser/Electro-optics*, San Francisco May 2004.
- A. Amtout, S. Raghavan, P. Rotella, G. von Winckel, A. Stintz, and S. Krishna "Theoretical Modeling And Experimental Characterization of InAs/InGaAs Quantum Dots In a Well Detector, *Journal of Applied Physics*, 96, 3782, October 2004.
- G. von Winckel, E. Coutsias and S. Krishna, "The Helmholtz Eigenproblem in Elliptical Domains using Spectral Tau-Method and Conformal Mapping," *Proceedings of the International Conference on Spectral and High Order Methods*, Providence, RI, June 2004.
- L.A. Farina, K.M. Lewis, C. Kurdak, S. Ghosh, S. Krishna and P. Bhattacharya, "Drag Coupling between a thin Al film and a two-dimensional electron gas near the superconducting transition," *Physica E* 22, 341-344, 2004.
- M.B.M. Rinzan, D. G. Esaev, A. G. U. Perera, S. G. Matsik, G. von Winckel, A. Stintz, and S. Krishna, "Free Carrier Absorption in Be-doped epitaxial AlGaAs thin films," *Applied Physics Letters*, 85, 5236, 2004.
- S. Raghavan, D. Forman, P. Hill, N.W. Bernstein, G. von Winckel, P. Rotella, S. Krishna, S.W. Kennerly and J.W. Little, "Normal-Incidence InAs/InGaAs Quantum Dots-in-a-Well Detector Operating in the Long Wave Infrared Atmospheric Window," *Journal of Applied Physics* 96, 1036, 2004.
- S. Krishna, S. Raghavan, G. von Winckel, A. Stintz, G. Ariyawansa, S.G. Matsik and A.G.U. Perera, "Three color Quantum Dots in a Well Detector," *Proceedings of the SPIE Conference on Infrared Spaceborne Remote Sensing*, Aug. 2004.
- U. Sakoglu, J.S. Tyo, M.M. Hayat, S. Raghavan, and S. Krishna, "Spectrally adaptive infrared photodetectors using bias-tunable quantum dots," *J. Opt. Soc. Am. B.* Vol 21, p. 7, Jan. 2004.

Lester, Luke

1.3 to 1.6 Micron Quantum Dot Devices, L. F. Lester, *Indium Phosphide and Related Materials* 2004, June 2004, Kagoshima, Japan.

Feedback Resistance and Linewidth of Quantum Dot Distributed Feedback Lasers H. Su, L. Zhang, R. Wang, T.C. Newell, A.L. Gray, and L.F. Lester, *IEEE Photonics Technology Letters*, Oct 2004, v.16, no.10, pp. 2206-2208.

Linewidth of InAs/GaAs QD laterally-loss-coupled DFB lasers with and without external feedback, H. Su, K.J. Malloy, L.F. Lester, L. Zhang, A.L. Gray, R. Wang, and T.C. Newell, *Proceedings of Photonics West 2004*, January 2004, San Jose, CA.

Linewidth Study of InAs-InGaAs Quantum Dot Distributed Feedback Lasers Optical absorption cross section of quantum dots L. F. Lester, *Proceedings of Emerging Technologies in Optical Science*, July 2004, Cork, Ireland.

Quantum Dot Photonic Devices and Applications, L. Zhang, A.L. Gray, R. Wang, S. Luong, L. Cheng, K. Sun, C. Bryan, F. Nabulsi, T. Whittington, Z. Zou, L. Olona, C. Wiggins, T. Tumolillo, J. Zilko, P.M. Varangis, H. Su, K.J. Malloy, and L. Lester, *Proceedings of CLEO/PHAST 2004*, May 2004, San Francisco, CA.

Osinski, Marek

- C.-Y. Liu, H.-J. Cao, M. Benavidez, H. Ling, H. Su, G. M. Peake, P. G. Eliseev, and M. Osinski, "Radio-frequency spectra of long-cavity diode lasers under CW pumping", Physics and Simulation of Optoelectronic Devices XII (M. Osinski, H. Amano, and F. Henneberger, Eds.), SPIE International Symposium on Integrated Optoelectronic Devices OPTO 2004, San Jose, CA, 26-29 Jan. 2004, *Proceedings of SPIE*, Vol. 5349, pp. 271-281.
- G. A. Smolyakov, V. A. Smagley, W.-L. Chen, and M. Osin'ski, "Resonant coupled-cavity effects in VCSELs with annular ring contacts", Physics and Simulation of Optoelectronic Devices XII (M. Osinski, H. Amano, and F. Henneberger, Eds.), SPIE International Symposium on Integrated Optoelectronic Devices OPTO 2004, San Jose, CA, 26-29 Jan. 2004, *Proceedings of SPIE*, Vol. 5349, pp. 385-396.
- H.-J. Cao, H. Ling, C.-Y. Liu, H. Deng, Y. Li, P. G. Eliseev, M. Osinski, and G. M. Peake, "Semiconductor ring lasers with large ring cavity: Directional switching and electrical diagnostics," *Technical Digest, Twenty Fourth Annual Conference on Lasers and Electro-Optics CLEO 2004*, San Francisco, CA, 16-21 May 2004, Paper CThL2.

- J.-H. Lee, P. G. Eliseev, M. Osin'ski, D. S. Lee, J. C. Ramer, D. I. Florescu, and E. A. Armour, "Optical and electrical properties of interdigitated InGaN/GaN green light emitting diodes," Physics and Simulation of Optoelectronic Devices XII (M. Osinski, H. Amano, and F. Henneberger, Eds.), SPIE International Symposium on Integrated Optoelectronic Devices OPTO 2004, San Jose, CA, 26-29 Jan. 2004, *Proceedings of SPIE*, Vol. 5349, pp. 408-415.
- M. Osinski, C.-Y. Liu, H.-J. Cao, H. Ling, H. Deng, M. Benavidez, G.M. Peake, and P.G. Eliseev, "Multigigahertz mode beating spectra in semiconductor edge-emitting and ring lasers," *Proceedings of the Sixteenth Asia Pacific Microwave Conference APMC'04*, New Delhi, India, 15-18 Dec. 2004, Allied Publishers, pp. 381-382.
- P.G. Eliseev, J. Lee, and M. Osinski, "Electro-optical properties of UV-emitting InGaN heterostructures accounting for injection-induced conductivity," *Kvantovaya Elektronika* 34 (#12), pp. 1127-1132, Dec. 2004.
- W. Nakwaski, M. Wasiak, P. Maćkowiak, W. Bedyk, M. Osinski, A. Passaseo, V. Tasco, M.T. Todaro, M. De Vittorio, R. Joray, J.X. Chen, R.P. Stanley, and A. Fiore, "Oxidation kinetics of AlAs and (AlGa)As layers in GaAs-based diode laser structures: Comparative analysis of available experimental data," *Semiconductor Science and Technology* 19, no. 3, pp. 333-341, March 2004.
- M. Osinski, V. A. Smagley, and M. Mojahedi, "Operator ordering of effective-mass Hamiltonian in semiconductor superlattices and quantum wells," *Proceedings of International Conference on Superlattices, Nano-Structures, and Nano-Devices ICSNN 2004*, Cancun, Mexico, 19-23 July 2004, Paper 2.7.19, p. 57.
- M. Osinski, H. Amano, and F. Henneberger (Eds.), *Proceedings of SPIE*, Vol. 5349-Physics and Simulation of Optoelectronic Devices XII, SPIE International Symposium on Integrated Optoelectronic Devices OPTO 2004, San Jose, CA, 26-29 Jan. 2004.

Pattichis, Marios

Martin, G. and Pattichis, M.S., "The Characterization of Scanning Noise and Quantization on Texture Feature Analysis," *Proceedings of the 6th IEEE Southwest Symposium on Image Analysis and Interpretation*, Lake Tahoe, Nevada, pp. 152-156, March 2004.

Neophytou S.M., Pattichis S.C., Pattichis S.M., Tanos V., Kyriacou C.E., Koutsouris D., "Multiscale Texture Feature Variability Analysis in Endoscopy Imaging Under Different Viewing Positions," *Proceedings of the II Mediterranean Conference on Medical Physics: The Analog to Digital Migration of the Hospital Working Environment*, Limassol, Cyprus, April 26-30, 2004.

- Neophytou, M.S., Pattichis, C.S., Pattichis, M.S., Tanos, V., Kyriacou, S, Pavlopoulos, S., and Koutsouris, D., "Texture Analysis in Gynaecological Endoscopy for the Classification of Endometrium Cancer," *Proceedings of IEEE 26th International Conference of the IEEE Engineering in Medicine and Biology Society (EMBS 2004).*
- Pattichis, C.S., Kyriacou, E., Christodoulou, C., Pattichis, M.S., Loizou, C., Pantziaris, M., and Nikolaides, A., "Cardiovascular: Ultrasonic Imaging in Vascular Cases," in *Wiley Encyclopedia of Biomedical Engineering*, 2004.
- Pattichis, M.S., Martin, G., and Pattichis, C.S., "A New Model for Image Variability due to the Scanning Process and its Effects on Texture Feature Analysis," *Proceedings of the II Mediterranean Conference on Medical Physics: The Analog to Digital Migration of the Hospital Working Environment*, Limassol, Cyprus, April 26-30, 2004.
- Rodriguez, P.V. and Pattichis, M.S., "Nested Random Phase Sequence Sets: A Link between AM-FM Demodulation and Increasing Operators with Application to Cardiac Image Analysis," *Proceedings of the IEEE Southwest Symposium on Image Analysis and Interpretation*, Lake Tahoe, Nevada, pp. 196-200, March 2004.

Santhanam, Balu

- B. Santhanam and J.G. Vargas-Rubio, "On the Grunbaum Tridiagonal Commutor Based Discrete Fractional Fourier Transform," *Proceedings of ICASSP-2004*, Vol. II, pp. 641 644, Montreal, Canada, May 2004.
- B. Santhanam, "Generalized Energy Demodulation for Large Frequency Deviations and Wideband Signals," *IEEE Signal Processing Letters*, Vol. 11, No. 3, pp. 341-344, March 2004.
- J.G. Vargas-Rubio and B. Santhanam, "The Centered Discrete Fractional Fourier Transform and Linear Chirp Signals," *Proceedings of the 11th IEEE DSP and SP Education Workshop*, pp. 163-167, Taos Ski Valley, New Mexico, Aug, 2004.
- M. Gupta and B. Santhanam, "Blind Adaptive MAI Suppression Using System Eigen-Space Projection," *International Journal of System Modeling and Simulation, Special Issue on Advances in Wireless Communications and Networking*, May 2004.
- M. Gupta and B. Santhanam, "ICA Based Blind Adaptive MAI Suppression in DS-CDMA Systems," *Proceedings of the 11th IEEE DSP and SP Education Workshop*, pp. 201-205, Taos Ski Valley, New Mexico, Aug 2004.
- M. Gupta and B. Santhanam, "Prior ICA Based Blind Multiuser Detection in DS CDMA Systems," *Proceedings of ACSSC-04*, Vol. I, pp. 2155-2159, Nov 2004.

- T.M. Tridhavee, B. Santhanam, and S.R.J. Brueck, "Optimal Frequency Coverages and Parsings for Imaging Interferometric Lithography," *Journal of Microlithography, Microfabrication, and Microsystems*, Dec 2004.
- T.M. Tridhavee, Balu Santhanam, S.R.J. Brueck, "Optimization and Apodization of Aerial Images at high NA in Imaging Interferometric Lithography," *Proceedings of SPIE Conference on Optical Microlithography*, Vol. 5377, pp. 1544-1554, May 2004.

Schamiloglu, Edl

- A.S. Shlapakovski and E. Schamiloglu, "Interaction of a High-Current Electron Beam with Hybrid Waveguide and Plasma Modes in a Dielectric Cherenkov Maser with a Plasma Layer," *Plasma Phys. Rep.*, vol. 30, pp. 635-643 (2004).
- D.R. Welch, D.V. Rose, B.V. Oliver, E. Schamiloglu, K. Hahn, and J.E. Maenchen, "Transport of a Relativistic Electron Beam in Gas and Plasma-Filled Focusing Cells for X-Ray Radiography," *Phys. Plasmas*, vol. 11, pp. 751-760 (2004).
- E. Schamiloglu and R.J. Barker, "Scanning the Special Issue on Pulsed Power: Technology & Applications," *Proceedings of the IEEE*, vol. 92, pp. 1011-1013 (2004).
- E. Schamiloglu, "High Power Microwave Sources and Applications," 2004 IEEE MTT-S Digest (Ft. Worth, TX, 2004), pp. 1001-1004.
- E. Schamiloglu, R.J. Barker, M. Gundersen, and A.A. Neuber, "Modern Pulsed Power: Charlie Martin and Beyond," *Proceedings of the IEEE*, vol. 92, pp. 1014-1020 (2004).
- J.A. Gaudet, R.J. Barker, C.J. Buchenauer, C.G. Christodoulou, J. Dickens, M.A. Gundersen, R.P. Joshi, H.G. Krompholz, J.E. Kolb, A. Kuthi, M. Laroussi, A. Neuber, W. Nunnally, E. Schamiloglu, K.H. Schoenbach, J.S. Tyo, and R.J. Vidmar, "Research Issues in Developing Compact Pulsed Power for High Peak Power Applications on Mobile Platforms," *Proceedings of the IEEE*, vol. 92, pp. 1144-1165 (2004).
- M.I. Fuks, M.B. Goikhman, N.F. Kovalev, A.V. Palitsin, and E. Schamiloglu, "Waveguide Resonators with Combined Bragg Reflectors," *IEEE Trans. Plasma Sci.*, vol. 32, pp. 1323-1333 (2004).
- N. Zameroski, T. Svimonishvili, M. Gilmore, E. Schamiloglu, and J. Gaudet, "Measurements of Secondary Electron Yield from Materials with Application to Depressed Collectors," *Proceedings IVEC 2004* (Monterey, CA, 2004), pp. 150-151.

- R.P. Joshi, J. Qian, G. Zhao, J. Kolb, K.H. Schoenbach, J. Gaudet and E. Schamiloglu, "Are Micro-Bubbles Necessary for the Breakdown of Liquid Water Subjected to a Sub-Microsecond Pulse?," *J. Appl. Phys.*, vol. 96, pp. 5129-5139 (2004).
- R.P. Joshi, J. Qian, K.H. Schoenbach, and E. Schamiloglu, "Microscopic Analysis for Water Stressed by High Electric Fields in the Pre-Breakdown Region," *J. Appl. Phys.*, vol. 96, pp. 3617-3625 (2004).
- S.D. Korovin, V.V. Rostov, S.D. Polevin, I.V. Pegel, E. Schamiloglu, M.I. Fuks, and R.J. Barker, "Pulsed Power-Driven High-Power Microwave Sources," *Proceedings of the IEEE*, vol. 92, pp. 1082-1095 (2004).

Shu, Wennie

- M.Y. Wu and W. Shu, "A Distributed Strategic Routing Mechanism for Wireless Ad hoc Networks," *Proceedings of IEEE 6th CAS Symposium on Emerging Technologies: Frontiers of Mobile and Wireless Communication*, May 2004.
- M.Y. Wu and W. Shu, "Cachecast Networks and its Proxy placement," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- M.Y. Wu and W. Shu, "Mechanism Design for Proxy Placement on Overlay Networks," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- M.Y. Wu and W. Shu, "RPP: A Distributed Routing Mechanism for Strategic Wireless Ad hoc Networks," *Proceedings of IEEE Globecom*, November 2004.
- M.Y. Wu, Y. Zhu, and W. Shu, "Optimal Multicast Overlay Placement for Realtime Streaming Media," *Proceedings of IEEE International Conference on Multimedia and Expo (ICME 2004)*, June 2004.
- S. Zhou, M.Y. Wu, and W. Shu, "Finding Optimal Placements for Mobile Sensors: Wireless Sensor Network Topology Adjustment," *Proceedings of IEEE 6th CAS Symposium on Emerging Technologies: Frontiers of Mobile and Wireless Communication*, May 2004.
- W. Shu and M.Y. Wu, "Capacity Analysis of Scheduled Video Delivery Service," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- W. Shu and M.Y. Wu, "Resource Requirements of Closed-Loop Video Delivery Services," *IEEE Multimedia*, pp. 24--37, April--June 2004.

Y. Jiang, M.Y. Wu, and W. Shu, "Hierarchical Overlay Multicast Network," *Proceedings of IEEE International Conference on Multimedia and Expo (ICME2004)*, June 2004.

Sigmon, Thomas W.

"Self-Assembly and Integration of Ordered, Robust, Three-Dimensional Gold Nanocrystal/Silica Arrays," MRS 2004 Spring Meeting San Francisco, CA, April, 13-16, 2004. *Materials Research Society Symposium Proceedings Series*, Vol. 818, Symposium M; *Nanoparticles and Nanowire Building Blocks Synthesis, Processing, Characterization, and Theory*, (2004), with H. Fan, K. Yang, K.J. Malloy and C. J. Brinker.

"Self-Assembly of Ordered, Robust, Three-Dimensional Gold Nanocrystal/Silica Arrays," *Science*, Vol. 304, 23 April 2004, with H. Fan, K. Yang, D.M Boye, K.J. Malloy, H. Xu, G.P. Lopez and C. J. Brinker.

"Surfactant-Assisted Self-Assembly of Water-Soluble Nanocrystal Ordered Arrays and their Integration", paper O17/W1.7, MRS 2004 Spring Meeting San Francisco, CA, April, 13-16, 2004. *Materials Research Society Symposium Proceedings Series*, Vol. 820, Symposium O; *Advanced Microsystems-Integration with Nanotechnology and Biomaterials*, (2004), with H. Fan, K. Yang, K.J. Malloy and C. J. Brinker.

Smith, Christopher

W. Abd-Almageed and C. Smith, "Active deformable models using density estimation," *International Journal of Image and Graphics*, 4(3): 343-361, July 2004.

W. Abd-Almageed, A. El-Osery and C.E. Smith, "A fuzzy-statistical contour model for MRI segmentation and target tracking," *Proceedings of SPIE*, July 2004.

W. Abd-Almageed, A. El-Osery and C.E. Smith, "A hybrid fuzzy-statistical contour model," *Proceedings of SPIE Defense and Security Symposium*, April, 2004.

Tyo, Scott

J. Gaudet, R.J. Barker, M. Gunderson, A. Kuthi, A. Neuber, J. Dickens, W. Nunnaly, E. Schamiloglu, C. Christodoulou, J.S. Tyo, K. Schoenbach, R. Joshi, M. Laroussi, J. Kolb, and R. Vidamr, "Research Issues in Developing Compact Pulsed Power for High Peak Power Applications on Mobile Platforms," *Proc. IEEE*, 92:1144-1165 (2004)

J.S. Tyo and R.C. Olsen, "PC-Based Display Strategy for Spectral Imagery," *Proceedings of IEEE/GRSS Workshop on Advances in Processing of Remotely Sensed Imagery* (IEEE, Piscataway, NJ, 2004).

- J.S. Tyo, E.G. Farr, J.S.H. Schoenberg, L.H. Bowen, and L.L. Altgilbers, "Time and Frequency domain radiation patterns of reflector impulse radiating antennas: effect of aperture field distributions," *IEEE Trans. Antennas Propagat*, 52: 1767-1776 (2004).
- J.S. Tyo, M.C. Skipper, M.D. Abdalla, S.P. Romero, and B. Cockreham, "Frequency and Bandwidth Tunable Pulser for Use in Wideband Applications," *IEEE Trans. Plasma Sci.* 32:1925-1931 (2004).
- U. Sakouglu, J.S. Tyo, M.M. Hayat, S. Raghavan, and S. Krishna, "Spectrally Adaptive Infrared Photodetectors Using Bias-Tunable Quantum dots," *J. Opt. Soc. Am.* B 21:7-17 (2004).

Wu, Min-You

- M.Y. Wu and W. Shu, "A Distributed Strategic Routing Mechanism for Wireless Ad hoc Networks," *Proceedings of IEEE 6th CAS Symposium on Emerging Technologies: Frontiers of Mobile and Wireless Communication*, May 2004.
- M.Y. Wu and W. Shu, "Cachecast Networks and its Proxy placement," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- M.Y. Wu and W. Shu, "Mechanism Design for Proxy Placement on Overlay Networks," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- M.Y. Wu and W. Shu, "RPP: A Distributed Routing Mechanism for Strategic Wireless Ad hoc Networks," *Proceedings of IEEE Globecom*, November 2004.
- M.Y. Wu, Y. Zhu, and W. Shu, "Optimal Multicast Overlay Placement for Realtime Streaming Media," *Proceedings of IEEE International Conference on Multimedia and Expo (ICME 2004)*, June 2004.
- S. Zhou, M.Y. Wu, and W. Shu, "Finding Optimal Placements for Mobile Sensors: Wireless Sensor Network Topology Adjustment," *Proceedings of IEEE 6th CAS Symposium on Emerging Technologies: Frontiers of Mobile and Wireless Communication*, May 2004.
- W. Shu and M.Y. Wu, "Capacity Analysis of Scheduled Video Delivery Service," *Proceedings of International Conference on Computers and Their Applications (CATA-2004)*, March 2004.
- W. Shu and M.Y. Wu, "Resource Requirements of Closed-Loop Video Delivery Services," *IEEE Multimedia*, pp. 24--37, April-June 2004.

Y. Jiang, M.Y. Wu, and W. Shu, "Hierarchical Overlay Multicast Network," *Proceedings of IEEE International Conference on Multimedia and Expo (ICME2004)*, June 2004.

Mechanical Engineering

Heinrich, Juan C.

Heinrich, J.C. and D.R. Poirier, "Effect of Volume Change During Directional Solidification of a Binary Alloy," *Model. Simul. Mater. Sci Eng.* 12: 881-899 (2004).

Heinrich, J.C. and D.R. Poirier, "Convection Modeling in Directional Solidification, *Comptes Rendue Mechanique*. 332: 429-445 (2004).

Zhao, P., J.C. Heinrich, and D.R. Poirier, "Fixed Grid Front-Tracking Methodology for Finite Element Simulation," *Int. J. Num. Meth. Eng.* 61: 928-948 (2004).

Zhao, P., J.C. Heinrich and D.R. Poirier, "Effect of Variable Density in Dendritic Solidification," *Proceedings of AIAA 42nd Aerospace Science Meeting*, paper AIAA-2004-0628 (2004).

Westra, D.G., J.C. Heinrich and D.R. Poirier, "Simulating the Effect of Space Vehicle Environment or Directional Solidification of Binary Alloys," *Proceedings of AIAA 42nd Aerospace Sciences Meeting*, paper AIAA-2004-0630 (2004).

Ingber, Marc S.

Hsiao, S.-C. and Ingber, M.S., "The effect of the Reynolds number on lateral migration of nonneutrally-buoyant spherical particles in Poiseuille Flow," *Comp. Mats. Continua*, 1 (1), 51-58 (2004).

Ingber, M.S., Chen, C.S., and Tanski, J.A., "A mesh free approach using radial basis functions and parallel domain decomposition for solving three dimensional diffusion equations," *Int. J. Num. Meth. Engng.*, 60, 2183-2201 (2004).

Khraishi, Tariq

Leger, R.W., Shen, Y.-L., Khraishi, T.A., 2004, "Defect Nucleation during Nanoindentation: An Atomistic Analysis," *Journal of Computational and Theoretical Nanoscience*, Vol. 1, no. 3, pp. 259-262.

Jing, P., Khraishi, T.A., 2004, "Analytical Solutions for Crack Tip Plastic Zone Shape Using the Von Mises and Tresca Yield Criteria: Effects of Crack Mode and Stress Condition," *Journal of Mechanics*, Vol. 20, No. 3, pp. 199-210.

Yan, L., Khraishi, T.A., Shen, Y.-L., Horstemeyer, M.F., 2004, "A Distributed-Dislocation Method for Treating Free-Surface Image Stresses in 3D Dislocation Dynamics Simulations," *Modelling and Simulation in Materials Science and Engineering*, Vol. 12, No. 4, pp. S289-S301.

Leger, R.W., Khraishi, T.A., Shen, Y.-L., 2004, "A Dislocation Dynamics Study of Strength Differential in Particle-Containing Metals during Cyclic Loading," *Journal of Materials Science*, Vol. 39, No. 11, pp. 3593-3604.

Khraishi, T.A., Yan, L., Shen, Y.-L., 2004, "Dynamic Simulations of the Interaction between Dislocations and Dilute Particle Concentrations in Metal-Matrix Composites (MMCs)," *International Journal of Plasticity*, Vol. 20, Issue 6, pp. 1039-1057.

Chaudhary, N., S. Lovald, J. Wagner, T.A. Khraishi, J. Kelly, J.E. Wood, 2004, "Modeling of Screw-Plate Systems for Mandibular Fracture Repair," *Proceedings of the ASME IMECE2004 Conference, Bioengineering Division*, Paper #62256, Anaheim, California.

Vanamu, G., T.A. Khraishi, A.K. Datye, S.H. Zaidi, 2004, "Modeling the Elastic Fields in Epitaxially Grown Multilayers", *Proceedings of the MRS symposium on Nanoscale Materials and Modeling—Relations Among Processing, Microstructure and Mechanical Properties*, P.M. Anderson, T. Foecke, A. Misra, and R.E. Rudd (eds.), Vol. 821, Paper # P2.10, San Francisco, California.

Mulholland, M., Caraveo, V., Khraishi, T.A., Shen, Y.-L., Horstemeyer, M., 2004, "Studies of Void Growth and Interaction in a Eutectic Sn-Pb Alloy," *Proceedings of the TMS'04 Symposium on Advances in Superplasiticty and Superplastic Forming*, Eric Taleff, Peter A. Friedman, Paul E. Krajewski, Rajiv S. Mishra and James G. Schroth (eds), pp. 289-298.

Khraishi, T.A., 2004, "Introducing Problem-Based Learning in a Materials Science Course," *Proceedings of the 2004 Annual Conference of the ASEE Gulf-Southwest Section*, Lloyd Heinze (ed.)Texas Tech University at Lubbock, Paper #33.

Khraishi, T.A., Gorbatikh, L., 2004, "Educational Experiments in Problem-Based Learning for a Dynamics Course," *Proceedings of the 2004 Annual Conference of the ASEE Gulf-Southwest Section*, Lloyd Heinze (ed.), Texas Tech University at Lubbock, Paper #38.

Lumia, Ron

Braun, B.M., G.P. Starr, R. Lumia, J.E. Wood, "A Framework for Implementing Cooperative Motion on Industrial Controllers," *IEEE Transactions on Robotics and Automation*, Vol. 20, No. 3, June, 2004.

Palmer, J.A., McDaniel, K.L., Harris, M.F., Lumia, R., and Griffith, M.L., "The Effects of Varying Substrate Angle on Feature Quality in Femtosecond Laser Ablation of Ferrous Alloys," *Proceedings SPIE, Taos, NM*, edited by Claude R. Phipps, Vol. 5448, pp. 1028-38, April 25-30, 2004.

Razani, Arsalan

Razani, A., B. Flake and S. Yarbrough, "Exergy Flow in Pulse Tube Refrigerators and Their Performance Evaluation based on Exergy Analysis," *Advances in Cryogenic Engineering*, Vol. 49, *AIP Conference Proceedings*, Vol. 710, pp. 1508-1517, 2004.

Razani, A., B. Flake, S. Yarbrough, and N.S. Abhyankar, "A Power-Efficiency Diagram for Performance Evaluation of Cryocoolers," *Advances in Cryogenic Engineering*, Vol. 49, *AIP Conference Proceedings*, Vol. 710, pp. 1527-1535, 2004.

Yarbrough, S., B. Flake and A. Razani, "Computational Fluid Dynamic Modeling of Pressure Drop Through Wire Mesh Screen Regenerator," *Advances in Cryogenic Engineering*, Vol. 49, *AIP Conference Proceedings*, Vol. 710, pp. 1138-1145, 2004.

Flake, B. and A. Razani, "Modeling Pulse Tube Internal Flow with CFD," *Advances in Cryogenic Engineering*, Vol. 49, *AIP Conference Proceedings*, Vol. 710, pp. 1493-1499, 2004.

Schmierer, E.N., J. Paquette, A. Razani and K.J. Kim, "Effective Thermal Conductivity of Fully-Saturated High Porosity Metal Foam," *Proceedings of ASME HT-FED 2004 Conference*, pp. 1-6, 2004.

Schmierer, E.N., A. Razani, S. Keating and T. Melton, "Characterization of High Porosity Open-Celled Metal Foam Using Computed Tomography," *Proceedings of IMECE 2004 Conference*, pp 1-7, 2004.

Jankowski, T. A., J. A. Waynert, F. C. Pringer, A. Razani, "Steady State Modeling of a Rotating Heat Pipe with a Composite Wick Structure," *Proceedings of ASME HT-FED* 2004 Conference, pp. 1-6, 2004.

Shen, Yu-Lin

Shen, Y.-L., "On the Atomistic Simulation of Plastic Deformation and Fracture in Crystals," *Journal of Materials Research*, 19, 973-976 (2004).

Khraishi, T.A., L. Yan and Y.-L. Shen, "Dynamic Simulation of Dislocation-Particle Interaction in Metal-Matrix Composites," *International Journal of Plasticity*, 20, 1039-1057 (2004).

- Shen, Y.-L., K.C.R. Abell and S.E. Garrett, "Effects of Grain Boundary Sliding on Microstructural Evolution and Damage Accumulation in Tin-Lead Alloy," *International Journal of Damage Mechanics*, 13, 225-240 (2004).
- Shen, Y.-L. and R.W. Leger, "Atomistic Analysis of Nano-scale Crystal Plasticity in Thin Metal Films," *Journal of Mechanics*, 20, 1-12 (2004).
- Leger, R.W., Y.-L. Shen and T.A. Khraishi, "Defect Nucleation during Nanoindentation: An Atomistic Analysis," *Journal of Computational and Theoretical Nanoscience*, 1, 259-262 (2004).
- Pereyra, R. and Y.-L. Shen, "Characterization of Particle Concentration in Indentation-Deformed Metal-Ceramic Composites," *Materials Characterization*, 53, 373-380 (2004).
- Leger, R.W., T.A. Khraishi and Y.-L. Shen, "A Dislocation Dynamics Study of Strength Differential in Particle-Containing Metals during Cyclic Loading," *Journal of Materials Science*, 39, 3593-3604 (2004).
- Yan, L., T.A. Khraishi, Y.-L. Shen and M.F. Horstemeyer, "A Distributed-Dislocation Method for Treating Free-Surface Image Stresses in 3D Dislocation Dynamics Simulations," *Modelling and Simulation in Materials Science and Engineering*, 12, S289-S301 (2004).
- Chawla, N., Y.-L. Shen, X. Deng and E.S. Ege, "An Evaluation of the Lap-Shear Test for Sn-rich Solder/Cu Couples: Experiments and Simulation," *Journal of Electronic Materials*, 33, 1589-1595 (2004).
- Mulholland, M., V. Caraveo, T.A. Khraishi, Y.-L. Shen and M. Horstemeyer, "Studies of Void Growth and Interaction in a Eutectic Sn-Pb Alloy," in *Advanced in Superplasticity and Superplastic Forming, TMS 2004*, Edited by E.M. Taleff, P.A. Friedman, P.E. Krajewski, R.S. Mishra and J. C. Schroth, TMS, Warrendale, PA, pp. 289-298, 2004.
- Ege, E. S. and Y.-L. Shen, "An Atomistic View of Interface-Mediated Dislocation Plasticity in Thin Metal Films," in *Thin Films-Stresses and Mechanical Properties X*, *Mater. Res. Soc. Symp. Proceedings, Vol. 795*, edited by S.G. Corcoran, Y-C. Joo, N.R. Moody, Z. Suo, paper no. U8.8, pp. 41-46, 2004.
- Shen, Y.-L. and E.S. Ege, "Thermomechanical Stresses in Copper Interconnect/Low-k Dielectric Systems," in *Materials, Technology and Reliability for Advanced Interconnects and low-k Dielectrics, Mater. Res. Soc. Symp. Proceedings, Vol. 812*, edited by R.J. Carter, C.S. Hau-Riege, G.M. Kloster, T.-M. Lu, S.E. Schulz, paper no. F6. 26, 2004.

Leger, R.W. and Y.-L. Shen, "Atomistic Simulations of Dislocation-Interface Interactions in Thin Films," in *Nanoscale Materials and Modeling–Relations among Processing, Microstructure and Mechanical Properties, Mater. Res. Soc. Symp. Proceedings, Vol. 821*, edited by Peter M. Anderson, Timothy Foecke, Amit Misra, Robert E. Rudd, paper number P6. 7, 2004.

Tan, X.H. and Y.-L. Shen, "Analysis of Indentation-Derived Yield Strength in Metallic Multilayers," in *Proceedings of 2004 ASME International Mechanical Engineering Congress and Exposition*, paper number: IMECE2004-61393.

Pereyra, R. and Y.-L. Shen, "Characterization of Indentation-Induced 'Particle Crowding' in Metal Matrix Composites," in *Proceedings of 2004 ASME International Mechanical Engineering Congress and Exposition*, paper number: IMECE2004-60560.

Starr, Gregory P.

Wilson, D.G., G.P. Starr, G.G. Parker, and R.D. Robinett, "Nonlinear Adaptive Control for Slewing Flexible Active Structures," *AIAA Journal of Guidance, Control, and Dynamics*, Vol. 27, No. 1, January-February 2004.

Tanner, Herbert G.

Tzeremes, G., H. Tanner, T. Liao and C. Christodoulou, "Wireless Communication with Smart Antennas using Transmission Power Control," *IEEE Antennas and Wireless Propagation Letters*, Vol. 3, No. 13, pp 232-235, April 2004.

Tanner, H.G., "ISS Properties of Nonholonomic Vehicles," *Systems & Control Letters*, Volume 53, No. 3-4, November 2004, pp. 229-235.

Tanner, H.G., G.J. Pappas and V. Kumar, "Leader-to-Formation Stability", *IEEE Transactions on Robotics and Automation*, Vol. 20, No. 3, June 2004, pp. 433-455.

Tanner, H.G., "On the Controllability of Nearest Neighbor Interconnections," *Proceedings of 43rd IEEE Conference on Decision and Control*, December 14-17, 2004, pp. 2467-2472.

Tanner, H.G., "Flocking with Obstacle Avoidance in Switching Networks of Interconnected Vehicles," *Proceedings of 2004 IEEE International Conference on Robotics and Automation*, New Orleans LA, April 26-May 1, pp. 3006-3011.

Truman, C. Randall

Bogucki, D.J., Domaradzki, J.A., Ecke, R.E., and Truman, C.R., "Light Scattering on Oceanic Turbulence," *Applied Optics*, Vol. 43, 2004, pp. 5662-69.

Wisniewski, C.F., Hewett, K.B., Manke, G.C. II, Truman, C.R., and Hager, G.D., "Hydrogen fluoride overtone laser: 2D CFD modeling of the small signal gain," *Proceedings of the SPIE - The International Society for Optical Engineering*; 2004; High Power Laser Ablation Vol. 5448, No. 1, pp. 1127-38.

Yazzie, R., Truman, C.R. and Salari, K., 2004, "Prediction of Oscillatory Flow Excitation at the Leading Edge of a Modified NACA 0015 Airfoil," *Proceedings of the 42nd AIAA Aerospace Sciences Meeting*, AIAA Paper 2004-0749.

Vorobieff, Peter

Vorobieff, P, and Kumar, S. "Experimental studies of Richtmyer-Meshkov instability," *Recent Research Developments in Fluid Dynamics*, Vol. 5 (2004), pp. 33-55.

Vorobieff, P., Tomkins, C., Kumar, S., Goodenough, C., Mohamed, N.-G., and Benjamin, R.F. "Scondary instabilities in shock-induced transition to turbulence," *Advances in Fluid Mechanics*, Vol. 5, eds. C.A. Brebbia, A. Mendes, and M. Rahman, WIT Press, Southampton, UK (2004), pp. 139-148.

Mertens, K., Putkaradze, V., and Vorobieff, P. "Braiding patterns on an inclined plane," *Nature*, Vol. 430 No. 6996 (2004), p. 165.

Art and Art History

Bobrowski, Gina

Group Exhibition: International Workshop Artist Exhibition, WOCEK, Incheon, South Korea.

Group Exhibition: Mostra, Passerini, Cortona, Italy.

Group Exhibition: As I See Myself, Kentucky Museum of Art and Design, Lexington, KY.

Group Exhibition: The State of the Union, Santa Fe Clay Ceramics Art Center, Santa Fe, NM.

Group Exhibition: Cup, CAS Gallery, University of Miami, Coral Gables, FL.

Barry, Steve

Solo Exhibition and Free Speech Symposium: *Practicing Our Democracy*, Donkey Gallery, Albuquerque, NM, November 2004.

Cook, Michael

Solo Exhibition: *Michael Cook: Pantings, Drawings, Video*, Canfield Gallery, Santa Fe, NM, November-December 2004.

Group Exhibition: *Modern and Contemporary Art*, Canfield Gallery, Santa Fe, NM, August 2004.

Craven, David

XXV Coloquio Internacional de Historia del Arte en 2002 (Ciudad Universitaria: Instituto de Investigaciones Esteticas, 2004). Essay on the TGP & Walter Benjamin.

"Modernism in Latin America," *The New Dictionary of the History of Ideas* (New York: Charles Scribners & Sons, 2004).

"World Systems Theory in Latin America," *The New Dictionary of the History of Ideas* (New York: Charles Scribners & Sons, 2004).

"Diego Rivera en los Estados Unidos: el impacto de su ideologia," *Estago: Revista de arte y cultura* (Managua), No. 2 (Spring 2004).

Feinberg, Elen

Solo Exhibition: Galerie e, Albuquerque, NM.

Group Exhibition: Chiaroscuro Gallery, Santa Fe, NM.

Group Exhibition: Ruth Bachofner Gallery, Santa Monica, CA.

Group Exhibition: Lost City Arts, New York, NY.

"The Architecture of the Ethereal," *Memorie della Societa Astronomical Italiana*, pp.122-124, Instituti Editoriali e Poligrafici Internazionali.

Hernández-Durán, Raymond

"Entre el espacio y el texto: Ubicación del arte virreinal en el México poscolonial." *Hacia otra historia del arte en México: La amplitud del modernismo y la modernidad (1861-1920.)* Volume 2/4, Edited by Esther Acevedo and Stacie G. Widdifield, Mexico City: CONACULTA/CURARE, A.C., 2002-2003 [released in 2004].

"Popular Art." Encyclopedia Latina: History, Culture, Society, Amherst: Grolier, 2004.

Jesse, Kathleen

Solo Exhibition: War Paintings for the Nursery, Greenwood Chebiths Gallery, Laguna Beach, CA, November 2004.

Solo Exhibition: War Paintings for the Nursery, University Museum, Albuquerque, NM, Spring 2004.

Irland, Basia

Audio CD Recording: Clandestine Calaveras; Audio CD with words of chemical pesticides found in the Calaveras River, California, sung by Mezzosoprano, Laurelle Mathison, with Cellist Scott Halligan and music by Andrew Ardizzoia. Also includes set of 9 postcards with molecular structures and gas chromatography/mass spectrometer chromatograms of chemical pesticides found in the Calaveras River, California overlaid on images of the river.

Video Documentary: UNM Campus Rainwater Harvesting Project.

Solo Exhibition: Six Books from the Earth. Price Dewey Galleries, Santa Fe, NM.

Solo Exhibition: Water-borne Diseases, Institute for Development Studies, Jaipur, India.

Solo Exhibition: Excavating Water, Center for Environmental Planning and Technology, Ahmedabad, India.

Group Exhibition: Beyond Words: Artists and the Book. Museum of Fine Arts, Santa Fe, NM.

Group Exhibition: *Imaging the River*. Hudson River Museum, Yonkers, NY.

Group Exhibition: H2O. Santa Fe Art Institute, Santa Fe, NM.

Group Exhibition: *Aquatopia*. Reynolds Gallery, University of the Pacific, Stockton, California.

Rainwater Harvesting Project: Jonson Gallery, north side, University of New Mexico.

Rainwater Harvesting Project: Student Union Building, Northwest corner, University of New Mexico.

Rainwater Harvesting Project: Pueblo of Isleta Project with Dr. Beverly Singer.

Walkerton Life Vest, (14 pages), The New Quarterly, Canada. 2004.

Stone, Jim

Two-person Exhibition: Brohm & Stone, Galerie Frank Schlag & Cie., Essen, Germany, May 15- June 26, 2004.

Online Exhibition, PhotoEye Gallery, Santa Fe: http://www.photoeye.com.

Online Group Exhibition: Flagging Spirits, http://www.flaggingspirits.umb.edu/.

Szabo, Joyce

"Drawing Life's Changes: Late Nineteenth-Century Plains Drawings from Hampton Institute and Carlisle Indian School." *European Review of Native American Studies* 18:1 (2004): 41-51.

Entries for "Howling Wolf" and "Allan Houser" in *Encyclopedia of the Great Plains*, David Wishart, editor. Lincoln: University of Nebraska Press, 2004.

Tsiongas, Mary

Group Exhibition: Beyond Words: Artists and the Book, Museum of Fine Arts, Santa Fe, NM, Oct 2004-Feb. 2005.

Group Exhibition: *Lineaments of Gratified Desire*, Catherine Clark Gallery, San Francisco, CA, March 2004.

Review of Site Santa Fe's 2004 Biennial, Donkey Journal, Albuquerque, NM, October 2004.

Media Arts

Konefsky, Bryan

Video Art Screening: "Beautiful Dreamer," Squeaky Wheel/Buffalo Media Art Center, Buffalo, New York February 2004.

Video Art Screening: "You Are Here," Ann Arbor Film Festival, Ann Arbor, Michigan, March 2004.

Video Art Screening: "A Junky's Christmas," Experimental Exposure UICA, Chicago, Illinois, March 2004.

Video Art Screening: "You Are Here," Michigan Public Television, April 2004.

Video Art Screening: "A Junky's Christmas," The Other Cinema, San Francisco, California, April 2004.

Video Art Screening: "A Junky's Christmas," Dallas Video Festival, Dallas, Texas, June 2004.

Video Art Screening: "A Junky's Christmas," Paris International Underground Film Festival, Paris, France, September 2004.

Video Art Screening: "You Are Here," L.A. Freewaves Festival, Los Angeles, California, September 2004.

Video Art Screening: "How Can You Resist?" Redcat Theatre, Los Angeles, California, September 2004.

Video Art Screening: "Gate of Mercy," Itinerant Traveling Film Festival, San Francisco, California, September-December 2004.

Exhibition: "The Closet of Dr. Calimari," at AC2 Gallery, Albuquerque, New Mexico, November 2004.

Video Art Screening: "A Junky's Christmas," Il Cinema Ritrovato, Bologna, Italy, November 2004: screened

Fonoroff, Nina

Film Art Screening: "The Eye of the Mask," New York Film Festival, New York, New York, 2004.

Film Art Screening: "The Eye of the Mask," SUNY Binghamton and at First Person Cinema, Boulder, Colorado.

Jaffe, Ira

Book review: How a Film Theory Got Lost and Other Mysteries in Cultural Studies, (Indiana University Press, 2001) by Robert B. Ray, in Film International, #7 (2004:1), pp. 55-57.

Music

Ellingboe, Brad

Choral Literature for Sundays and Seasons, Augsburg Fortress. Minneapolis, MN. 286 pages. 2004.

Cone to Me, for SAT(B) choir and piano. Choristers Guild. 2004.

Sing for Joy!, for SSATBB choir and organ. Kjos. 2004.

The Wondrous Gift, for SATB choir, unaccompanied. Kjos. Written for the Desert Chorale, Dennis Shrock, conductor. 2004.

Down to the River to Pray, arranged for SATB chorus, a cappella. Kjos. 2004.

For the Beauty of the Earth, for SATB chorus and piano. Kjos. 2004.

There's a Wideness in God's Mercy, for SATB choir and piano. Augsburg. 2004.

The Prayer of St. Francis, for SAB choir and piano. Kjos. 2004.

We Need each Other's Voice to Sing, for SATB chorus, organ and flute, opt. Congregation. Commissioned by the Bloomington Covenant Church, Bloomington, MN. Kjos. 2004.

Be Music, Night, recorded by the Santa Fe Desert Chorale, Linda Mack, conducting. 2004.

In the Bleak Midwinter, recorded on Great Hymns of the Faith, Vol. II, the Saint Olaf Choir, Anton Armstrong conducting. 2004.

Performance: Bass solos, Santa Fe Symphony's performances of Haydn's *Paukenmesse*. April 2004.

Conductor: UNM Choirs and the Chamber Orchestra of Albuquerque in Lauridsen's *Lux Aeterna*. Popejoy Hall, University of New Mexico, Albuquerque, New Mexico. April 2004.

Performance: Bass solos, Brahms' *Ein deutsches Requiem*, under Helmuth Rilling. Orchestra Hall, Minneapolis, Minnesota, April 2004.

Performance: Role of "Melchior" in *Amahl and the Night Visitors*, Opera Southwest, Albuquerque, New Mexico. December 2004.

Feld, Steve

Vocal Anthropology: From the music of language to the language of song, (with Aaron Fox, Thomas Porcello, David Samuels), in Alessandro Duranti, ed., *A Companion to Linguistic Anthropology*, Oxford: Blackwell, pp. 321-345. 2004.

Chitarre nella foresta: La nascita di una nuova musica in *Nuova Guinea* (Guitars in the Rainforest: The birth of a new music in New Guinea) EM: Annuario degli Archivi di Etnomusicologia (Accademia Nazionale di Santa Cecilia, Rome), NS 1: 49-69. 2004.

Dall'etnomusicologia all'eco-muse-ecologia, (From Ethnomusicology to Eco-Muse-Ecology). *Ecologia Della Musica: Saggi sul paesaggio sonoro*, ed. by Antonello Colimberti, Rome: Donzelli Editore, pp. 43-51. 2004.

The Time of Bells, I: Soundscapes of Italy, Finland, Greece, and France. Santa Fe, NM: VoxLox/EarthEar. 2004.

Hinterbichler, Karl

Contributor/Co-author: Solos for the Student Trombonist, 2nd Edition, Editions BIM, Switzerland.

Review: Johann Loewe von Eisenach; *Two Cappricios* and Michael East's *Two Fancies*. In *International Trombone Association Journal*, Vol. 32, No. 3, Summer 2004, p. 64.

Review: Dan Welcher; Brass Quintet. In International Trombone Association Journal, Vol. 32, No. 4, Fall 2004, pp. 74-75.

Literature Announcements, Premieres and Programs, *International Trombone Association Journal*, Vol. 32, No. 1, Winter 2004.

Literature Announcements, Premieres and Programs, *International Trombone Association Journal*, Vol. 32, No. 2, Spring 2004.

Literature Announcements, Premieres and Programs, *International Trombone Association Journal*, Vol. 32, No. 3, Summer 2004.

Literature Announcements, Premieres and Programs, *International Trombone Association Journal*, Vol. 32, No. 4, Fall 2004.

Performances: Four Renaissance Villancicos (arranged for brass quintet) by the Boston Brass, Atlanta Symphony Brass Quintet, Iowa Brass Quintet.

Performances: Danzon Cubano and Prelude and Fugue (Shostakovich) by the Manhattan Brass Quintet.

Performance: Andrea Gabrieli *Madrigal* (arranged for eight trombones) by the University of Texas Trombone Choir.

Performances: *Vive l'amour* (arranged for trombone quartet) by the Bratislava Trombone Quartet (Europe).

Arrangement: Jehan Alain, *Litanies* performed by New Mexico Brass Quintet, November 21, 2004.

Performance: Principal Trombone, Opera Southwest production of Carlisle Floyd's *Susanna*, February 2004.

Performance: Principal Trombone, Opera Southwest production of Verdi's *Falstaff*, March 2004.

Rombach-Kendall, Eric

Reviews: American Record Guide. Arizona Republic, March 21, 2004.

Guest Conductor: College Band Directors National Association Eastern Division Conference. Towson, MD.

Theatre and Dance

Chazin-Bennahum, Judith

Book: The Lure of Perfection: Fashion and Ballet 1780-1830, Routledge Press, 2004.

Choreography: *Love Songs*, music by Brahms, Rodey Theatre, University of New Mexico, Albuquerque, NM, October 2004.

Malolepsy, John

Scenery Designer: *Much Ado About Nothing*, Shakespeare in the Park, American Stage Company, St. Petersburg, FL, 2004.

Lighting Designer: 2004 Concert, Yjastros Flamenco, Rodey Theatre, University of New Mexico, Albuquerque, NM, 2004.

Lighting Designer: *Nutcrtacker Ballet*, Ballet Theatre of New Mexico, KiMo Theatre, Albuquerque, NM, 2004.

Lighting and Scenery Designer: *Susannah*, Opera Southwest, KiMo Theatre, Albuquerque, NM, 2004.

Newfire Interactive Light Sculpture: in collaboration with composer Panaiotis, Composer's Symposium, Department of Music, University of New Mexico, Albuquerque, NM, 2004.

Scenery Designer: West Side Story, New Mexico Symphony Orchestra and University of New Mexico Department of Theatre and Dance, Popejoy Hall, University of New Mexico, Albuquerque, NM, 2004.

Scenery Designer: Words Afire, University of New Mexico Department of Theatre and Dance, University of New Mexico, Albuquerque, NM, 2004.

Anesthesiology

Moro, Michele A.

Sanders JC, Gandhoke R, Moro M. Lumbar Epidural Blood Patch to treat a large, symptomatic postsurgical cerebrospinal leak of 5 weeks duration in a 3-year old. *Anesth Anal 2004*, 98, 629-631, May 2004.

Sanders, John C.

Sanders JC, Gandhoke R, Moro M. Lumbar Epidural Blood Patch to treat a large symptomatic postsurgical cerebronspinal leak of 5 weeks duration in a 3-year old. *Anesthe Anal 2004*, 98, 629-631, May 2004.

Anita V Delgado MD, JC Sanders. MBBS FRCA. A Simple Technique to Reduce Epistaxis and Nasopharyngeal Trauma During Nasotracheal Intubation in a Child with Factor IX Deficiency Having Dental Restoration. *Anesthesia Analgesia 2004*, 99, 1056-1057, July 2004.

Wiesel, Saul

Wills J, Wiesel S, Abram S, Rupp F. Synovial Cysts and the Lithotomy Position Causing Cauda Equina Syndrome. *Regional Anesthesia and Pain Medicine*, 29, No. 3, 324-326, May 2004.

Wills, John H. A.

Wills J, Wiesel S, Abram S, Rupp F. Synovial Cysts and the Lithotomy Position Causing Cauda Equina Syndrome. *Regional Anesthesia and Pain Medicine*, 29, No. 3, 324-326, May 2004.

Zuniga, Robert E.

Slonimski M, Abram S, Zuniga R. Intrathecal baclofen in pain management. *Regional Anesthesia and Pain Medicine*, 29, No. 3, 269-276, May 2004.

Biochemistry and Molecular Biology

Bisoffi, Marco

Bisoffi M, Klima I, Gresko E, Durfee P, Hines WC, Griffith JK. Expression profiles of androgen-independent bone metastatic prostate cancer cells indicate over-expression of the putative serine-threonine kinase GS3955. *J Urology*, 172, 1145-1150, Sept 2004.

Glew, Robert H.

Glew RH, Okolie H, Huang YS, Chuang LT, Suberu O, Crossey M, VanderJagt DJ. Abnormalities in the fatty-acid composition of the serum phospholipids of stroke patients. *J Natl Med Assoc*, 96(6), 826-32, June 2004.

Glew RH, Melah G, El-Nafaty AI, Brandt Y, Morris D, VanderJagt DJ. Plasma and urinary free amino acid concentrations in preeclampic women in northern Nigeria. *Clin Chim Acta*, 342(1-2), 179-85, April 2004.

Vanderjagt DJ, Patel RJ, El-Nafaty AU, Melah GS, Crossey MJ, Glew RH. High-density lipoprotein and homocysteine levels correlate inversely in preeclamptic women in northern Nigeria. *Acta Obstet Gynoecol Scand*, 83(6), 536-42, June 2004.

VanderJagt DJ, Mcclung KD, Kassamn HA, Harkins MS, Glew RH. Pulmonary function of herdsmen. *J Natl Med Assoc*, 96(4), 550-5, April 2004.

Glew RH, Brock HS, VanderVoort J, Agaba P, Harkins MS, VanderJagt DJ. Lung function and nutritional status of semi-nomadic Fulani children and adolescents in northern Nigeria. *J Trop Pediatr*, 50(1), 20-5, Feb 2004.

Glew RS, VanderJagt DJ, Huang YS, Chuang LT, Bosse R, Glew RH. Nutritional analysis of the edible pit of Sclerocarya bierrea in the Republic of Niger (Daniya, Hausa). *Journal of Food Composition & Analysis*, 17(1), 99-111, Feb 2004.

Glew RH, Cole, DN, Mehla G, El-Nafaty AL, VanderJagt DJ. Lysosomal enzymes in preeclampsia in northern Nigeria. *Journal of Investigative Medicine*, 52(1), 116-117, Jan 2004.

Glew RH, Casados JK, Huang YS, Chuang LT, VanderJagt DJ. Correlation of the fatty acid composition and fluid property of the cholesteryl esters in the serum of Nigerian children with sickle sell disease and healthy controls. *Journal of Investigative Medicine*, 52(1), 113-113, Jan 2004.

Glew RH, Kassam H, Vander Voort J, Agaba PA, Harkins M, VanderJagt DJ. Comparison of pulmonary function between children living in rural and urban areas in northern Nigeria. *J Trop Pediatr*, 50(4), 209-16, August 2004.

VanderJagt DJ, Damiani LA, Goodman TM, Ujah IO, Obadofin MO, Imade GE, Shatima DR, Glew RH. Assessment of the skeletal health of healthy Nigerian men and women using quantitative ultrasound. *Bone*, 35(2), 387-94, August 2004.

Cerda H, Araujo Y, Glew RH, Paoletti MG. Palm Worm (Coleoptera, Curculionidae: Rhynchophorus palmarum) A Traditional Food: Examples from Alto Orinoco, Venezuela in Ecological Implications of the use of Mini livestock: Insects, rodents, frogs and snails. Science Publishers Inc. Enfield, New Hampshire. July 2004.

Griffith, Jeffrey K.

Bisoffi M, Klima I, Gresko E, Durfee P, Hines WC, Griffith JK. Expression profiles of androgen-independent bone metastatic prostate cancer cells indicate over-expression of the putative serine-threonine kinase GS3955. *Urology*, 172, 1145-1150, Sept 2004.

Hu, Chien-An

Phang J, Hu C-AA, Valle D. Disorders of proline and hydroxyproline metabolism, in *The Metabolic and Molecular Bases of Inherited Disease*. McGraw-Hill Inc. July 2004.

Gu S, Du Y, Chen J, Liu Z, Bradbury M, Hu C-AA, Chen X. Large-scale quantitative proteomic study of PUMA-induced apoptosis using two-dimensional liquid chromatography-mass spectrometry coupled with amino acid-coded tagging. *J Proteome Res*, 3, 1191-1200, Sept 2004.

Gu S, Liu Z, Pan S, Jiang Z, Lu H, Amit O, Bradbury EM, Hu C-AA. Global investigation of p53-induced apoptosis through quantitative profiling regulatory proteins using comparative amino acid-coded tagging proteomics. *Mo Cell Proteomics*, 3, 998-1008, Dec 2004.

McCarthy, Denis

McCarthy DM. Management of Bleeding Peptic Ulcer: Current Status of Intravenous Proton Pump Inhibitors. *Best Practice & Research Clinical Gastroenterology*, 2004; 18(Supp 1): 7-12.

McGuigan JE, Belafsky PC, Fromer L, McCarthy DM, Nostrant T, Postma GN, Welage LS, Wolfe M. Diagnosis and management of night-time reflux. Alimentary *Pharmacol & Therapuetics* 2004; 20(Supp.9): 57-72

Omdahl, John L.

Annalora A, Bobrovnikova-Marjon E, Serda R, Lansing L, Chiu ML, Pastuszyn A, Iyer S, Marcus CB, Omdahl JL. Rat cytochrome P450C24 (CYP24A1) and the role of F249 in substrate binding and catalytic activity. *Archives of Biochemistry & Biophysics*, 425, 133-146, May 2004.

Gao X-H, Dwivedi PP, Omdahl JL, Morris HA, May BK. Calcitonin stimulates expression of the rat 25-hydroxyvitamin D-24-hydroxylase CYP24) promoter in HEK-293 cells expressing calcitonin receptor: identification of signaling pathways. *J Mol Endo*, 32, 89-98, Jan 2004.

Oprea, Tudor I.

Hann MM, Oprea TI. Pursuing the leadlineness concept in pharmaceutical research. *Curr Opin Chem Biol*, 8, 255-263, Jan 2004.

Oprea TI, Tollenaere J, De Winter H, Lanenaeker W, Bultinck P. Marcel Dekker Inc. 3D-QSAR Modeling in Drug Design. Computational Medicinal Chemistry & Drug Discovery, 571-616, Jan 2004.

Oprea TI. Next generation therapeutics. Curr Opin Chem Biol, 8, 347-348, July 2004.

Oprea TI, Matter H. Integrating virtual screening in lead discovery. *Curr Opin Chem Biol*, 8, 349-358, August 2004.

Edwards BS, Oprea TI, Prossnitz ER, Sklar LA. Flow Cytometry for High Throughput, High Content Screening. *Curr Opin Chem Biol*, 8, 392-398, Oct 2004.

Olah MM, Bologa CG, Oprea TI. Strategies for Compound Selection. Curr Drug Discov Tech, 1, 211-220, Nov 2004.

Mracec M, Olah M, Oprea TI. QSAR study for 2-carboxy-4-carboxamido-tetrahydroquinolines as antagoniosts of the NMDA receptor. *Rev Roum Chim*, 49, 567-572, Nov 2004.

Olah M, Bologa C, Oprea TI. Design. An automated PLS search for biologically-relevant QSAR descriptors. *J Comput-Aided Mol*, 18, 437-449, Dec 2004.

Orlando, Robert A.

Orlando RA. The low-density lipoprotein receptor-related protein associates with calnexin, calreticulin, and protein disulfide isomerase in receptor-associated-protein-deficient fibroblasts. *Experimental Cell Research*, 294(1), 244-253, March 2004.

Schmieder S, Nagai M, Orlando RA, Takeda T, Farquhar MG. Podocalyxin activates RhoA and induces actin reorganization through NHERF1 and ezrin in MDCK cells. *Journal of the American Society of Nephrology*, 15(9), 2289-2298, Sept 2004.

Osgood, Marcy

Osgood M, Ocorr K. The Absolute Ultimate Guide to Lehninger Principles of Biochemistry Study Guide and Solutions Manual. Fourth Edition. W.H. Freenan & Co., Jan 2004.

Sinsabaugh RL, Finzi A, Long TM, Osgood MP. Microbial community responses to atmospheric CO2 enrichment in a Pinus taeda forest. *Ecosystems*, Oct 2004.

Pastuszyn, Andrzej

Annalora A, Bobrovnikova-Marjon E, Serda R, Lansing L, Chiu ML, Pastuszyn A, Iyer S, Marcus CB, Omdahl JL. Rat cytochrome P450C24 (CYP24A1) and the role of F249 in substrate binding and catalytic activity. *Archives of Biochemistry & Biophysics*, 425, 133-146, May 2004.

Fee JA, Todaro TR, Luna E, Sanders D, Hunsicker-Wang LM, Patel KM, Bren KL, Gomez-Moran E, Hill MG, Ai J, Loehr TM, Oertling W, Williams PA, Stout CD, McRee D, Pastuszyn A. Cytochrome rC552, Formed during Expression of the Truncated, Thermus thermophilus Cytochrome c552 Gene in the Cytoplasm of Escherichia coli, Reacts Spontaneously To Form Protein-Bound 2-Formyl-4-vinyl (Spirographis) Heme. Biochemistry, 43(38), 12162-12176, July 2004.

Vanderjagt, David L.

Roybal CR, Yang S, Sun C-W, Hurtado D, Vander Jagt DL, Townes TM, Abcouwer SF. J Homocysteine increases the expression of VEGF by a mechanism involving endoiplasmic reticulum stress and the transcription factor ATF4. *Biol Chem*, 279, 14844-14852, Feb 2004.

Brown WM, Hoard A, Vanderjagt TA, Hunsaker LA, Deck LM, Royer RE, Piper RC, Dame JB, Makler MT, Vander Jagt DL. Comparative Structural Analysis and Kenetic Properties of Lactate Dehdrogenases from the Four Species of Human Malerial Parasites. *Biochemistry*, 43, 6219-6229, March 2004.

Heidrich JE, Contos LM, Hunsaker LA, Deck LM, Vander Jagt DL. Inhibition of Pancreatic Cholesterol Esterase Reduces Cholesterol Absorption in the Hamster. *BMC Pharmacology*, 4, 5-14, Jan 2004.

Vander Jagt DL, Hunsaker LA, Young BS, Brown WM. Aldo-keto Reductase-catalyzed Detoxication of Endogenous Aidehydes Associated with Diabetic Complications. *American Chemical Society Symposium Series*, 865, 23-35, March 2004.

Vanderjagt, Dorothy J.

Glew RH, Okolie H, Huang YS, Chuang LT, Suberu O, Crossey M, VanderJagt DJ. Abnormalities in the fatty-acid composition of the serum phospholipids of stroke patients. *J Natl Med Assoc*, 96(6), 826-32, June 2004.

Glew RH, Melah G, El-Nafaty AI, Brandt Y, Morris D, VanderJagt DJ. Plasma and urinary free amino acid concentrations in preeclampic women in northern Nigeria. *Clin Chim Acta*, 342(1-2), 179-85, April 2004.

Vanderjagt DJ, Patel RJ, El-Nafaty AU, Melah GS, Crossey MJ, Glew RH. High-density lipoprotein and homocysteine levels correlate inversely in preeclamptic women in northern Nigeria. *Acta Obstet Gynoecol Scand*, 83(6), 536-42, June 2004.

VanderJagt DJ, Mcclung KD, Kassamn HA, Harkins MS, Glew RH. Pulmonary function of herdsmen. *J Natl Med Assoc*, 96(4), 550-5, April 2004.

Glew RH, Brock HS, VanderVoort J, Agaba P, Harkins MS, VanderJagt DJ. Lung function and nutritional status of semi-nomadic Fulani children and adolescents in northern Nigeria. *J Trop Pediatr*, 50(1), 20-5, Feb 2004.

Glew RS, VanderJagt DJ, Huang YS, Chuang LT, Bosse R, Glew RH. Nutritional analysis of the edible pit of Sclerocarya bierrea in the Republic of Niger (daniya, Hausa). *Journal of Food Composition & Analysis*, 17(1), 99-111, Feb 2004.

Glew RH, Cole, DN, Mehla G, El-Nafaty AL, VanderJagt DJ. Lysosomal enzymes in preeclampsia in northern Nigeria. *Journal of Investigative Medicine*, 52(1), 116-117, Jan 2004.

Glew RH, Casados JK, Huang YS, Chuang LT, VanderJagt DJ. Correlation of the fatty acid composition and fluid property of the cholesteryl esters in the serum of Nigerian children with sickle sell disease and healthy controls. *Journal of Investigative Medicine*, 52(1), 113-113, Jan 2004.

Glew RH, Kassam H, Vander Voort J, Agaba PA, Harkins M, VanderJagt DJ. Comparison of pulmonary function between children living in rural and urban areas in northern Nigeria. *J Trop Pediatr*, 50(4), 209-16, August 2004.

VanderJagt DJ, Damiani LA, Goodman TM, Ujah IO, Obadofin MO, Imade GE, Shatima DR, Glew RH. Assessment of the skeletal health of healthy Nigerian men and women using quantitative ultrasound. *Bone*, 35(2), 387-94, August 2004.

Cell Biology and Physiology

Gale, James M.

Gale JM, Tafoya GB. Evaluation of 15 polymerases and phosphorothioate primer modification for detection of UV-induced C:G to T:A mutations by allele-specific PCR. *Photochem Photobiol*, 79, 461-9, April 2004.

Miska KB, Wright AM, Lundgren R, Sasaki-McClees R, Osterman A, Gale JM, Miller RD. Analysis of a marsupial MHC region containing two recently duplicated class I loci. *Mamm Genome*, 15(10), 851-64, Oct 2004.

Hartley, Rebecca S.

Audic Y, Hartley RS. Post-transcriptional regulation in cancer. *Biol Cell*, 96(7), 479-98, Sept 2004.

Hathaway, Helen J.

de la Cruz L, Steffgen K, Martin A, McGee C, Hathaway H. Apoptosis and involution in the mammary gland are altered in mice lacking a novel receptor, beta1,4-Galactosyltransferase I. *Dev Biol*, 272(2), 286-309, August 2004.

Kanagy, Nancy L.

Mukundan H, Resta TC, Kanagy NL. 17-beta estradiol independently regulates erythropoietin synthesis and NOS activity during hypoxia. *J Cardiovasc Pharmacol*, 43-2, 312-7, Feb 2004.

Bratz IN, Walker BR, Kanagy NL. Attenuated ET-B receptor dependent endothelial responses following intermittent hypoxia. *FASEB J*, 18, A725, March 2004.

Allahdadi KJ, Trott DW, Walker BR, Kanagy NL. Smooth muscle ET-A receptors contribute to increased ET-1 constriction of resistance arteries from rats exposed to intermittent hypoxia. *FASEB J*, 18, A657, April 2004.

Mukundan H, Kanagy NL, Resta TC. 17-beta estradiol attenuates hypoxic induction of HIF-1alpha and erythropoietin in Hep3B cells. *J Cardiovasc Pharmacol*, 44(1), 93-100, July 2004.

Bratz IN, Kanagy NL. Nitric oxide synthase-inhibition hypertension is associated with altered endothelial cyclooxygenase function. *Am J Physiol Heart Circ Physiol*, 287(6), H2394-401, Dec 2004.

Kauffman, Stuart

Levitan B, Lobo J, Schuler R, Kauffman S. Evolution of Organization Performance and Stability in a Stochastic Environment. *Computational & Mathematical Organization Theory*, 8, 281-313, Jan 2004.

Shmulevich, I, Kauffman, SA. Activities and Sensitivities in Boolean Network Models. *The American Physical Society*, 93(4), 048701-1-048701-4, July 2004.

Kauffman SJ. A proposal for using the ensemble approach to understand genetic regulatory networks. *Theor Biol*, 21; 230(4), 581-90, Oct 2004.

Kauffman, S, Peterson, C, Samuelsson, B, Troein, Genetic networks with canalyzing Boolean rules are always stable. *C PNAS*, 101(49), 17102-17107, Dec 2004.

McGuire, Paul G.

Das A, Boyd N, Jones TR, Talarico N, McGuire PG. Inhibition of choroidal neovascularization by a peptide inhibitor of the urokinase plasminogen activator and receptor system in a mouse model. *Arch Ophthalmol*, 122(18), 1844-9, Dec 2004.

Prossnitz, Eric R.

Revankar CM, Vines CM, Cimino DF, Prossnitz ER. Arrestins block G protein-coupled receptor-mediated apoptosis. *J Biol Chem*, 279, 23, 24578-84, June 2004.

Simons PC, Biggs SM, Waller A, Foutz T, Cimino DF, Guo Q, Neubig RR, Tang WJ, Prossnitz ER, Sklar LA. Real-time analysis of ternary complex on particles: Direct evidence for partial agonism at the agonist-receptor-G protein complex assembly step of signal transduction. *J Biol Chem*, 279, 14, 13514-21, April 2004.

Postma B, Poppelier M, van Galen JC, Prossnitz ER, van Strijp JA, de Haas CJ, van Kessel KP. Chemotaxis inhibitory protein of Staphylococcus aureus binds specifically to the C5a and formylated peptide receptor. *J Immunol*, 172, 11, 6994-7001, June 2004.

Young SM, Curry MS, Ransom JT, Ballesteros JA, Prossnitz ER, Sklar LA, Edwards BS. High-throughput microfluidic mixing and multiparametric cell sorting for bioactive compound screening. *J Biomol Screen*, 9, 2, 103-11, Jan 2004.

Waller A, Simons PC, Biggs SM, Edwards BS, Prossnitz ER, Sklar LA. Techniques: GPCR assembly, pharmacology and screening by flow cytometry. *Trends Pharmacol Sci*, 25:12, 663-9, Dec 2004.

Xue M, Vines CM, Buranda T, Cimino DF, Bennett TA, Prossnitz ER. N-formyl peptide receptors cluster in an active Raft-associated state prior to phosphorylation. *J Biol Chem*, 279:43, 45175-84, Oct 2004.

Chigaev A, Zwartz GJ, Buranda T, Edwards BS, Prossnitz ER, Sklar LA. Conformational regulation of alpha 4 beta 1-integrin affinity by reducing agents. "Inside-out" signaling is independent of and additive to reduction-regulated integrin activation. *J Biol Chem*, 279:31, 32435-32443, July 2004.

Prossnitz ER. Novel roles for arrestins in the post-endocytic trafficking of G protein-coupled receptors. *Life Sci*, 75:8, 893-9, July 2004.

Edwards BS, Oprea T, Prossnitz ER, Sklar LA. Flow cytometry for high-throughput, high-content screening. *Curr Opin Chem Biol*, 392-398, 8:4, August 2004.

Vines CM, Prossnitz ER. Mechanisms of G protein-coupled receptor-mediated degranulation. *FEMS Microbiol Lett*, 236:1, 1-6, July 2004.

Prossnitz ER, Sklar LA. Chemotactic peptide/Complement Receptors. *Encyclopedia of Biological Chemistry*, Volume 1. Elsevier Science. 425-429, Dec 2004.

Resta, Tom

Jernigan NL, Walker BR, Resta TC. Endothelium-derived reactive oxygen species and endothelin-1 attenuate NO-dependent pulmonary vasodilation following chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, June 2004.

Jernigan NL, Resta TC, Walker BR. Contribution of oxygen radicals to altered NO-dependent pulmonary vasodilation in acute and chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, 286-5, L947-55, May 2004.

Mukundan H, Resta TC, Kanagy NL. 17-beta estradiol independently regulates erythropoietin synthesis and NOS activity during hypoxia. *J Cardiovasc Pharmacol*, 43-2, 312-7, Feb 2004.

Jernigan NL, Walker BR, Resta TC. Endothelium-derived reactive oxygen species and endothelin-1 attenuate NO-dependent pulmonary vasodilation following chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, 287(4), L801-8, Oct 2004.

Chicoine LG, Tzeng E, Bryan R, Saenz S, Paffett ML, Jones J, Lyons CR, Resta TC, Nelin L D, Walker BR. Intratracheal adenoviral-mediated delivery of iNOS decreases pulmonary vasoconstrictor responses in rats. *J Appl Physiol*, 97(5), 1814-1822, Nov 2004.

Mukundan H, Kanagy NL, Resta TC. 17-beta estradiol attenuates hypoxic induction of HIF-1alpha and erythropoietin in Hep3B cells. *J Cardiovasc Pharmacol*, 44(1), 93-100, July 2004.

Jernigan NL, Walker BR, Resta TC. Chronic hypoxia augments protein kinase G-mediated Ca2+ desensitization in pulmonary vascular smooth muscle through inhibition of RhoA/Rho kinase signaling. *Am J Physiol Lung Cell Mol Physiol*, 287(6), L1220-1229, Dec 2004.

Earley S, Resta TC, Walker BR. Disruption of smooth muscle gap junctions attenuates myogenic vasoconstriction of mesenteric resistance arteries. *Am J Physiol Heart Circ Physiol*, 287(6), H2677-86, Dec 2004.

Walker, Benjimen R.

Jernigan NL, Walker BR, Resta TC. Endothelium-derived reactive oxygen species and endothelin-1 attenuate NO-dependent pulmonary vasodilation following chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, June 2004.

Jernigan NL, Resta TC, Walker BR. Contribution of oxygen radicals to altered NO-dependent pulmonary vasodilation in acute and chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, 286-5, L947-55, May 2004.

Chicoine LG, Tzeng E, Bryan R, Saenz S, Paffett ML, Jones J, Lyons CR, Resta TC, Nelin L D, Walker BR. Intratracheal adenoviral-mediated delivery of iNOS decreases pulmonary vasoconstrictor responses in rats. *J Appl Physiol*, 97(5), 1814-1822, Nov 2004.

Jernigan NL, Walker BR, Resta TC. Endothelium-derived reactive oxygen species and endothelin-1 attenuate NO-dependent pulmonary vasodilation following chronic hypoxia. *Am J Physiol Lung Cell Mol Physiol*, 287(4), L801-8, Oct 2004.

Earley S, Resta TC, Walker BR. Disruption of smooth muscle gap junctions attenuates myogenic vasoconstriction of mesenteric resistance arteries. *Am J Physiol Heart Circ Physiol*, 287(6), H2677-86, Dec 2004.

Jernigan NL, Walker BR, Resta TC. Chronic hypoxia augments protein kinase G-mediated Ca2+ desensitization in pulmonary vascular smooth muscle through inhibition of RhoA/Rho kinase signaling. *Am J Physiol Lung Cell Mol Physiol*, 287(6), L1220-1229, Dec 2004.

Emergency Medicine

Binder, Douglas S.

Binder, D. In Reply: I wish to thank Jang et al for their kind reply to my letter. *Ann Emer Med*, 43:3, 418, March 2004.

Braude, Darren A.

Braude D, Richards M. To Editor: Appeal for Fentanyl Prehospital Use. *Prehospital Emergency Care*, 8 (4), 441-442, Oct 2004.

Crandall, Cameron S.

Nufer K, Tuttle A, Rangitch T, Crandall C. Ketone Measurements in the Emergency Department. *Acad Emerg Med*, 11:5, 577, May 2004.

Crandall C, Hjost P, Broidy L, Daday G, Sklar D. Previous Emergency Department Use Among Homicide Victims and Offenders: A Case Control Study. *Ann Emerg Med*, 44(6), 646-655, Dec 2004.

Cumpston, Kirk L.

Leikin J, Mycyk M, Bryant S, Cumpston K, Hurwitz S. Characteristics of Patients with No Underlying Toxicologic Syndrome Evaluated in a Toxicology Clinic. *Journal of Toxicology*, 42(5), 643-648, Oct 2004.

Cumpston K, Erickson TB. Maternal-Fetal Toxicology. *Pediatric Toxicology*, 15-25, Nov 2004.

Doezema, David

Sklar D, Doezema D. When a Faculty Member Dies or Becomes Disabled. *Acad Emerg Med*, 11:3, 287-288, Mar 2004.

Hauswald, Mark

Kwack H, Sklar D, Skipper B, Kaufman A, Fingado E, Hauswald M. Effect of Managed Care on ED Use in an Uninsured Population. *Ann Emerg Med*, 43:2, 166-173, Feb 2004.

Hauswald M. The ED is an Efficient Place to Treat ED Patients. Am J Emerg Med, 22(7), 564-567, Nov 2004.

Macias, Darryl J.

Macias D, Rogers K, Alcock J. Development of a Wilderness and Travel Medicine Rotation in an Academic Setting. *Wilderness and Environmental Med*, 15(2), 136-145, June 2004.

Macias D. A New Argentina. ACEP Newsletter, 6(3), June 2004.

McLaughlin, Steven A.

McKinney P, McLaughlin S. Sulfonylurea and Antihyperglycemic Drugs. *Medical Toxicology*, 3rd Ed. Lippincott Williams & Williams. 956-964, August 2004.

McLaughlin S, Richards M. To Editor: Another Perspective on "Severe Hypercapnia Caused by Acute Heroin Overdose." *Ann Emerg Med.*, 44:6. 670-672. Dec 2004.

McLaughlin S, McKinney P. Octreotide. *Medical Toxicology*, 3rd Ed. Lippincott Williams & Williams. 230-231, August 2004.

Gordon J, McLaughlin S, Shapiro M, Spillane L, Bond W. Simulation in Emergency Medicine. Lloyd, Lade and Greenberg, Elsevier Mosby. *Practical Healthcare Simulations*, 299-338, August 2004.

Nufer, Kevin E.

Nufer K, Tuttle A, Rangitch T, Crandall C. Ketone Measurements in the Emergency Department. *Acad Emerg Med*, 11:5, 577, May 2004.

Richards, Michael E.

McLaughlin S, Richards M. To Editor: Another Perspective on "Severe Hypercapnia Caused by Acute Heroin Overdose." *Ann Emerg Med*, 44:6, 670-672, Dec 2004.

Braude D, Richards M. To Editor: Appeal for Fentanyl Prehospital Use. *Prehospital Emergency Care*, 8(4), 441-442, Oct 2004.

Sapien, Robert E.

Sapien R, Fullerton-Gleason L, Allen N. Teaching School Teachers to Recognize Respiratory Distress in Asthmatic Children. *Journal of Asthma*, 41(7), 739-743, Nov 2004.

Sklar, David P.

Sklar D. Length of hospital stay for elderly people is substantially higher in the NHS compared with Kaiser Permanente and US Medicare program. *Evidence-base Healthcare*, 8, 113-115, June 2004.

Kwack H, Sklar D, Skipper B, Kaufman A, Fingado E, Hauswald M. Effect of Managed Care on ED Use in an Uninsured Population. *Ann Emerg Med*, 43:2, 166-173, Feb 2004.

Sklar D, Doezema D. When a Faculty Member Dies or Becomes Disabled. *Acad Emerg Med*, 11:3, 287-288, March 2004.

Crandall C, Hjost P, Broidy L, Daday G, Sklar D. Previous Emergency Department Use Among Homicide Victims and Offenders: A Case Control Study. *Ann Emerg Med*, 44(6), 646-655, Dec 2004.

Family and Community Medicine

Dow y Garcia Velarde, Lily

Arnold S, Kozel C, Velarde L. Recommendations for evaluating accreditation guideline outcomes assessment methods for accredited environmental health programs in the U.S. *Journal of Environmental Health*, 67(1), 22-26, July 2004.

Duran, Bonnie M.

Oetzel J, Duran B. Intimate Partner Violence in American Indian and or Alaska Native Communities: A social ecological framework of determinants and interventions. *Journal of the Center for American Indian and Alaska Native Mental Health Research*, 11(4), 49-68, Oct 2004.

Duran B, Malcoe LH, Sanders M, Waitzkin H, Skipper B. Child maltreatment prevalence and mental disorders outcomes among American Indian women in primary care. *J Child Abuse and Neglect*, 28, 131-145, August 2004.

Duran B, Sanders M, Skipper B, Waitzkin H, Malcoe LH, Paine S, et al. Prevalence and correlates of mental disorders among Native American women in primary care. *American Journal of Public Health*, 94(1), 71-77, Sept 2004.

Duran B, Walters K. HIV/AIDS prevention. AIDS Education and Prevention, 16(3), 187-201, Nov 2004.

Malcoe LH, Duran BM, Montgomery JM. Socioeconomic disparities in intimate partner violence against Native American women: A cross-sectional study. *BMC Medicine*, 2(1), 20, July 2004.

Wallerstein N, Duran B, Minkler M, Foley K. Methods for conducting community-based participatory research for health. *Developing and Maintaining Partnerships with Communities*, Jossey Bass. July 2004.

Duran B. Dharma, Color, and Culture: New Voices in Western Buddhism. Race, Racism and the Dharma. HG Baldoquin. Parallax Press, 135-140, July 2004.

Grebosky, James M.

Grebosky J. Letter to the Editor. American Family Physician, Dec 2004.

Helitzer, Deborah

Newes-Adeyi G, Helitzer D, Roter D, Caulfield L. Improving client-provider communication: Evaluation of a training program for women, infants and children (WIC) professionals in New York state. *Patient Education and Counseling*, 55, 210-217, July 2004.

Alverson DC, Shannon S, Sullivan E, Prill A, Effertz G, Helitzer, D, Beffort S, Preston A. Telehealth in the Trenches: Reporting back from the Frontlines in Rural America. *Telemedicine Journal and e-Health*, 10 (supp 2). S-95-109, 2004, July 2004.

Iriart, Celia

Waitzkin H, Iriart C. Political and Economic Determinants of Population Health and Well-Being. Controversies and Developments. *How the United States Exports Managed Care to Developing Countries*. Baywood Publishing Company, Inc. 147-157, July 2004.

Eldredge JD, Waitzkin H, Buchanan HS, Teal J, Iriart C, Wiley K, Tregear J. The Latin American Social Medicine Database. *BMC Public Health*, 4:69, 1471-2458, Dec 2004.

Iriart C, Waitzkin H, Merhy E. Sickness and Wealth. The Corporate Assault on Global Health. *HMO's Abroad: Managed Care in Latin America*. South End Press, 69-78, July 2004.

Kaufman, Arthur

Heeman K, Sklar D, Skipper B, Kaufman A, Fingado E, Hauswald, M. Effect of Managed Care on Emergency Department Use in an Uninsured Population. *Annals of Emergency Medicine*, 43:2, 166-173, Feb 2004.

Kotchian, Sarah B.

Kotchian, S. Developing a Local Comprehensive Environment and Health Tracking System: Using What We Know to Improve Health and the Environment. *Journal of Environmental Health*, 66 No. 10, 9-14, June 2004.

Glad JA, Kotchian S, Barron G. Designing environmental and health surveillance systems for local public health departments. *Journal of Environmental Health*, June 2004.

Leeman, Lawrence M.

Dresang L, Rodney WM, Leeman L, Dees J, Koch P, Palecia M. Advanced Life Support in Obstetrics in Ecuador: Teaching for Teachers. *Journal of the American Board of Family Practice*, 17, 276-282, July 2004.

Malcoe, Lorraine Halinka

Duran BM, Sanders M, Skipper B, Waitzkin H, Malcoe LH, Paine S, Yager, J. Prevalence and correlates of mental disorders among American Indian women in primary care. *American Journal of Public Health*, 1, 71-77, Jan 2004.

Duran BM, Malcoe LH, Sanders M, Skipper B, Waitzkin H, Yager J. Child Maltreatment Prevalence and Mental Disorders Outcomes Among American Indian Women in Primary Care. *Child Abuse and Neglect*, 28:2, 131-145, Feb 2004.

Malcoe LH, Duran BM, Montgomery JM. Socioeconomic Disparities in Intimate Partner Violence Against Native American Women: A Cross-sectional Study. *BMC Medicine*, 2:20, Jan 2004.

Kegler MC, Malcoe LH. Anti-smoking socialization beliefs among rural Native American and White parents of young children. *Health Education Researach Advance Access*, 10, 1093., July 2004.

Kegler MC, Malcoe LH. Results from a lay health advisor intervention to prevent lead poisoning in Native American children. *American Journal of Public Health*, 94, 1730-1735, Oct 2004.

Bland AD, Kegler MC, Escoffery C, Malcoe LH. Understanding childhood lead poisoning preventive behaviors: The roles of self-efficacy, subjective norms, and perceived benefits. *Preventive Medicine*, Dec 2004.

Trujillo, Michael H.

Trujillo MH, Baines DR, Kendrick AJ. American Indian and Alaska Native People. Second Edition. American Medical Association. *Clinical Preventive Medicine*, Chapter 39, 439-453, April 2004.

Waitzkin, Howard B.

Schillaci MA, Waitzkin H, Lopez CM, Boehm DA, Lopez LA, Mahoney SF. Falling immunization coverage and Medicaid managed care in New Mexico: A multi-method assessment. *Annals of Family Medicine*, 2, 13-21, Jan 2004.

Duran B, Malcoe LH, Sanders M, Waitzkin H, Skipper B, Yager J. Child maltreatment prevalence and mental disorders outcomes among American Indian women in primary care. *Child Abuse and Neglect*, 28, 135-145, Jan 2004.

Duran B, Sanders M, Skipper B, Waitzkin H, Malcoe LH, Paine S, Yager J. Prevalence and correlates of mental disorders among American Indian women in primary care. *American Journal of Public Health*, 94, 71-77, Jan 2004.

Escalona R, Archilles G, Waitzkin H, Yager J. PTSD and somatization in a women's health primary care sample. *Psychosomatics*, 45, 291-296, July 2004.

Iriart C, Waitzkin H, Merhy E. Sickness and Wealth: The Corporate Assault on Global Health. *HMO's abroad: Managed care in Latin America*. South End Press. July 2004.

Willging C, Waitzkin H, Wagner W. Unhealthy Health Policy: A Critical Anthropological Examination. *The death and resurrection of Medicaid managed care for mental health services in NM*. Altamira Press. July 2004.

Wallerstein, Nina B.

Wells K, Miranda J, Bruce ML, Alegria M, Wallerstein N. Bridging community intervention and mental health services research. *American Journal of Psychiatry*, 161(6), 955-63, June 2004.

English KC, Wallerstein N, Chino M, Finster CE, Rafelito A, Adeky S, Kennedy M. Intermediate Outcomes of a Tribal Community Public Health Insfrastructure Assessment. *Ethnicity and Disease*, 14, S1:63-S1:71, July 2004.

Wallerstein N, Auerbach E. Problem-Posing at Work: A Popular Educator's Guide. Grassroots Press. July 2004.

Auerbach E, Wallerstein N. Problem-Posing at Work: English for Action. Grassroots Press. July 2004.

Wells K, Miranda J, Bruce M, Alegria M, Wallerstein N. Bridging community intervention and mental health services research. *American Journal of Psychiatry*, 161(6), 955-963, July 2004.

Warner, Teddy D.

Krakow B, Melendrez DC, Lee SA, Warner TD, Clark JO, Sklar D. Refractory insomnia and sleep-disordered breathing: a pilot study. *Sleep and Breathing*, 8(1), 15-29, March 2004.

Roberts LW, Warner TD, Anderson C, Smithpeter M, Rogers M. Schizophrenia research participants' responses to protocol safeguards: Recruitment, informed consent, and debriefing. *Schizophrenia Research*, 67, 283-291, Jan 2004.

Warner TD. Ethnicity. July 2004. Plenum Publishers. Encyclopedia of Women's Health, 253-257.

Monaghan-Geernaert P, Warner TD, Robrets LW. Rural Health. July 2004. Plenum Publishers. *Encyclopedia of Women's Health*, 569-574.

Roberts LW, Green Hammond K, Warner TD, Lewis R. Influence of Ethical Safeguards on Research Participation: Comparison of Perspectives of People with Schizophrenia and Psychiatrists. *American Journal of Psychiatry*, 161(12), 2309-2311, Dec 2004.

Warner TD, Roberts LW. Scientific Integrity, Fidelity and Conflicts of Interest. *Current Opinion in Psychiatry*, 17(5), 381-385, August 2004.

Roberts LW, Green Hammond K, Warner TD, Geppert CMA. The Positive Role of Professionalism and Ethics Training in Medical Education: A comparison of Medical Student and Resident Perspectives. *Academic Psychiatry*, 28, 170-182, July 2004.

Krakow B, Haynes PL, Warner TD, Santana E, Melendrez D, Johnston L, Hollifield M, Sisley BN, Koss M, Shafer L. Nightmares, insomnia, and sleep-disordered breathing in Fire Evacuees seeking treatment for posttraumatic sleep disturbance. *Journal of Traumatic Stress*, 17, 257-268, Sept 2004.

Williams, Robert L.

Williams, RL. Motherhood, Apple Pie, and COPC. *Annals of Family Medicine* 2004, 2, 100-102. April 2004.

Williams RL, Borkan JM, Jones R. Community Primary Care. Oxford University Press. Oxford Textbook of Primary Care Medical Care, 19-22, Jan 2004.

Health Sciences Library and Informatics Center

Buchanan, Holly Shipp

Eldredge JD, Waizkin H, Buchanan HS, Teal J, Iriart C, Wiley K, Tregear J. The Latin American Social Medicine database. *BMC Public Health*, 4, 69, Dec 2004.

Eldredge, Jonathan D.

Eldredge JD. Inventory of Research Methods for Librarianship and Informatics. *Journal of the Medical Library Association*, 92, 83-90, Jan 2004.

Eldredge JD. The Librarian as Tutor/Facilitator in a Problem-Based Learning (PBL) Curriculum. *Reference Services Review*, 32, 54-59, Jan 2004.

Teal J, Wax D, Eldredge J, Hendrix I. Instructional objectives: A means to designing effective instructional sessions for hospital librarians. *Journal of Hospital Librarianship*, 4, issue 2, 47-56, July 2004.

Eldredge JD, Waizkin H, Buchanan HS, Teal J, Iriart C, Wiley K, Tregear J. The Latin American Social Medicine database. *BMC Public Health*, 4, 69, Dec 2004.

Eldredge JD. Search strategies for population and social subjects in a medical school curriculum. *Medical Reference Services Quarterly*, 23(4), 35-47, Dec 2004.

Hendrix, Ingrid C.

Hendrix, I. RefWorks. Journal of the Medical Library Association, 92, 111-112, Jan 2004.

Teal J, Wax D, Eldredge J, Hendrix I. Instructional objectives: A means to designing effective instructional sessions for hospital librarians. *Journal of Hospital Librarianship*, 4, issue 2, 47-56, July 2004.

Kroth, Philip J.

Kroth PJ, Murray MD, McDonald CJ. Under-Treatment of Osteoporosis in Women as Detected by Vertebral Compression Fractures on Chest Radiographs. *The American Journal of Geriatric Pharmacology*, 2, 112-118, June 2004.

Teal, Janis

Teal J, Wax D, Eldredge J, Hendrix I. Instructional objectives: A means to designing effective instructional sessions for hospital librarians. *Journal of Hospital Librarianship*, 4, issue 2, 47-56, July 2004.

Eldredge JD, Waizkin H, Buchanan HS, Teal J, Iriart C, Wiley K, Tregear J. The Latin American Social Medicine database. *BMC Public Health*, 4, 69, Dec 2004.

Wax, Diane S.

Teal J, Wax D, Eldredge J, Hendrix I. Instructional objectives: A means to designing effective instructional sessions for hospital librarians. *Journal of Hospital Librarianship*, 4, issue 2, 47-56, July 2004.

Internal Medicine

Abrams, Jonathan

Abrams, Jonathan. Management Implications of NCEP/ATP III Guidelines in a High Cardiovascular Risk Populations. *Clinical Cardiology*, July 2004.

Abrams, Jonathan. Viewpoint on Over-The-Counter Statins in the US. *Nature Medicine*, Sept 2004.

Abrams, Jonathan. Chronic Stable Anginas. Clinical Practice Series. New England Journal of Medicine. Sept 2004.

Abrams, Jonathan. Therapy of Stable Anginas. Circulation, July 2004.

Abrams, Jonathan. Physical Examination of the Heart and Circulation. *Essential Cardiology*, 2nd Edition, July 2004.

Arora, Sanjeev

Waldman JD, Arora S. Measuring Retention Rather than Turnover-A Different and Complementary HR Calculus. *Health Care Management Review*, 29(1), 2-7, Jan 2004.

Brennan B, Rosenberg G, Arora S. Best Cases for AFIP (Armed Institute of Pathology): Bouveret's Syndrome. *RSNA*, 24(4), 1171-1175, July 2004.

Baumgartner, Kathy

Baumgartner KB, Hunt WC, Baumgartner RN, Crumley DD, Gilliland FD, McTiernen A, Berstein L, Ballard-Barbash R. Association of body composition and weight history with breast cancer prognostic markers: Divergent pattern for Hispanic and non-Hispanic white women. *Am J Epidemiol*, 160(11), 1087-1097, Dec 2004.

Wayne S, Lopez S, Butler L, Baumgartner K, Baumgartner R, Ballard-Barbash R. Changes in Dietary Intake After Diagnosis of Breast Cancer. *J Am Dietetic Assoc*, 104(10), 1561-1568, Oct 2004.

Irwin ML, McTiernan A, Bernstein L, Gilliland FD, Baumgartner R, Baumgartner K, Ballard-Barbash R. Physical activity levels among breast cancer survivors: Influence of obesity, ethnicity, age, and disease stage. *Medicine Science Sports & Exercise*, 36(9), 1484-1491, Sept 2004.

Baumgartner, Richard N.

Scariano JK, Simplicio SG, Montoya GD, Garry PJ, Baumgartner RN. Estrogen Receptor beta Dinucleotide (CA) Repeat Polymorphism is Significantly Associated with Bone Mineral Density in Postmenopausal Women. *Calcif Tissue Int*, 17, Feb 2004.

Janssen I, Baumgartner RN, Ross R, Rosenberg IH, Roubenoff R. Skeletal muscle cutpoints associated with elevated disability risk in older men and women. *Am J Epidemiol*, 15:159(4), 413-421, Feb 2004.

Sisk ER, Lockner DW, Wold R, Waters DL, Baumgartner RN. The impact of folic acid fortification of enriched grains on an elderly population: The New Mexico aging process study. *J Nutr Health Aging*, 8(3), 140-143, May 2004.

Morley JE, Baumgartner RN. Cytokine-related aging process. *Journals of Gerontology Series A-Biological Sciences and Medical Sciences*, Vol. 59 No. 9, 924-929, Sept 2004.

Baumgartner KB, Hunt WC, Baumgartner RN, Crumley DD, Gilliland FD, McTiernan A, Bernstein L, Ballard-Barbash R. Association of body composition and weight history with breast cancer prognostic markers: Divergent pattern for hispanic and non-hispanic white women. *American Journal of Epidemiology*, Vol. 160, No. 11, 1087-1097, Dec 2004.

Wayne SJ, Lopez ST, Butler LM, Baumgartner KB, Baumgartner RN, Ballard-Barbash R. Changes in dietary intake after diagnosis of breast cancer. *Journal of the American Dietetic Association*, Vol. 104, No. 10, 1561-1568, Oct 2004.

Irwin ML, McTiernan A, Bernstein L, Gilliland FD, Baumgartner R, Baumgartner K, Ballard-Barbash R. Physical activity levels among breast cancer survivors. *Medicine and Science In Sports and Exercise*, Vol. 36, No. 9, 1484-1491, Sept 2004.

Baumgartner RN, Wayne SJ, Waters DL, Janssen I, Gallagher D, Morley JE. Sarcopenic Obesity Predicts Instrumental Activities of Daily Living Disability in the Elderly. *Obesity Research*, Vol. 12, No. 12, 1995-2004, Dec 2004.

Bennahum, David A.

Bennahum DA. The Letters of Cicely Saunders, ed David Clark. *Journal of History of Medicine & Allied Sciences*, 171, Jan 2004.

Bennahum David A. Ethical Foundations of Palliative Care for Alzheimer's Disease. *The Clinical Challenge of Uncertain Diagnosis and Prognosis in Patients with Dementia.* Johns Hopkins University Press. June 2004.

Berwick, Marianne

Thomas NE, Alexander A, Edmiston SN, Parrish E, Millikan RC, Berwick M, Groben P, Ollila DW, Mattingly D, Conway K. Tandem BRAF Mutations in Primary Invasive Melanomas. *J Invest Dermatol*, 122(5), 1245-50, May 2004.

Dwyer T, Stankovich JM, Blizzard L, FitzGerald LM, Dickinson JL, Reilly A, Williamson J, Ashbolt R, Berwick M, Sale MM. Does the addition of information on genotype improve prediction of the risk of melanoma and nonmelanoma skin cancer beyond that obtained from skin phenotype? *AM J Epidemiol*, 1:159(9), 826-33, May 2004.

Mahabir S, Frenkel K, Brady MS, Coit D, Leibes L, Karkoszka J, Berwick M. Randomized, placebo-controlled pilot trial of the effects of alpha-tocopherol supplementation on levels of autoantibodies against 5-hydroxymethyl-2-deoxyuride in melanoma patients. *Melanoma Res*, 14(1), 49-56, Feb 2004.

Amend KL, Elder JT, Tomsho LP, Bonner JD, Johnson TM, Schwartz J, Berwick M, Gruber SB. EGF Gene polymorphism and the risk of incident primary melanoma. *Cancer Res*, 13(1), 65-70, April 2004.

Berwick M, Orlow I, Mahabir S, Myskowski P, Coit D, Brady MS, Roy P, Song Y, Canchola R, Barz A, Halpern A, Bolognia J, Eng S, Elahi A, Begg CB. Estimating the relative risk of developing melanoma in INK4A carriers. *Eur J Cancer Prev*, 13(1), 65-70, Feb 2004.

Lazovich D, Sweeney C, Weinstock MA, Berwick M. Re: A prospective study of pigmentation, sun exposure, and risk of cutaneous malignant melanoma in women. *J Natl Cancer Inst*, 18:96(4):335, Feb 2004.

Oliveria SA, Dusza SW, Phelan DL, Ostroff JS, Berwick M, Halpern AC. Patient adherence to skin self examination effect of nurse intervention with photographs. *Am J Prev Med*, 26(2), 152-5, Feb 2004.

Satagopan JM, Ben-Porat L, Berwick M, Robson M, Kutler D, Auerbach AD. A Note on Competing risks in survival data analysis. *British Journal of Cancer*, 91(7), 1229:35, Oct 2004.

Berwick M, Matullo G, Song YS, Guarrera S, Dominguez G, Orlow I, Walker M, Vineis P. Association between aryl hydrocarbon receptor genotype and survival in soft tissue sarcoma. *J Clin Oncol*, 22(19), 3997-4001, Oct 2004.

Lockett KL, Hall MC, XU J, Zheng SL, Berwick M, Chuang SC, Clark PE, Cramer SD, Lohman K, Hu JJ. The ADPRT V762A genetic variant contributes to prostate cancer susceptibility and deficient enzyme function. *Cancer Research*, 64(17), 6344-8, Sept 2004.

Boivin, Michel A.

Levy H, Hayes J, Boivin MA, Tomba T. Nasoenteric feeding tube placement in critically ill patients using electromyogram and erythromycin. *Chest*, 125, 587-591, Feb 2004.

Ma TY, Iwamoto GK, Hoa N, Akotia V, Pedram A, Boivin MA, Said H. TNF-alpha induced increase in intestinal epithelial tight junction permeability requires nfkappa b activation. *American J of Physiology Gastrointest Liver Physiol.*, 286, G367-376, March 2004.

Boyle, Patrick J.

Boyle PJ, Marchetti A. Treating the Spectrum of Insulin Resistance: From Beta-Cell Dysfunction to Cardiovascular Disease. *Clinical Therapeutics*, 25 (Supplement B), Jan 2004.

Boyle PJ. What are the effects of peroxisome proliferator-activated receptor agonists on adiponectin, tumor necrosis factor-alpha, and other cytokines in insulin resistance? *Clin Cardiology*, 27(7 Suppl 4), IV11-6, July 2004.

Nagaraja H and Boyle PJ. Handbook on Diabetes and Diabetes Management. Concepts on the Origin of Diabetes. Springer Publishing. July 2004.

Peters AL, Kendall DM, Buse JC, Boyle PJ, Marchetti A, Lau H. Impact of adjunctive thiazolidinedione therapy on blood lipid leves and glycemic control in patients with type 2 diabetes. *Current Medical and Research Opinions*, 20, 215-223, Jan 2004.

Brown, Lee K.

Dedrick DL, Brown LK. Obstructive Sleep Apnea Syndrome Complicating Oculopharyngeal Muscular Dystrophy. *Chest*, 125, 334-336, Jan 2004.

Brown LK, Boxer R, Nelson LS, Devanathan S, Doggett J, Gunter MJ. Charges for healthcare services before and after diagnosis of obstructive sleep apnea: A case control study. *Sleep*, 27/A, 185, July 2004.

Brown LK. Home sleep testing rarely accurate. Albuquerque Journal. Oct 2004.

Burge, Mark R.

Chelliah A, Burge MR. Insulin edema in the 21st Century: A review of the existing literature. *J Invest Med*, 52, 104-108, March 2004.

Burge MR, Chelliah A, Schade DS. Hypoglycemia in type 2 diabetes. 3rd. Lippincott, Williams & Wilkins. *Diabetes Mellitus, a fundamental and clinical text*, 1213-24, July 2004.

Chelliah A, Burge MR. Hypoglycemia in elderly patients with diabetes mellitus: Causes and strategies for prevention. *Drugs and Aging*, 21, 511-530, August 2004.

Colleran KM, Krentz AJ, Burge MR. Chapter 5: Hypoglycemia caused by insulin secretagogues. John Wiley and Sons, Ltd. *Emergencies in Diabetes*, 95-111, July 2004.

Burge MR, Carey JD. Vitiligo associated with subcutaneous insulin lispro infusion in type 1 diabetes. *Diabetes Care*, 27, 275-276, Jan 2004.

Burgos, Marcos

Miller B, Fratti R, Poschet J, Timmins G, Master S, Burgos M, Marletta M, Deretic V. Mycobacteria Inhibit Nitric Oxide Synthase Recuritment to Phagosomes During Macrophage Infection. *Infection and Immunity*, 72(5), 2872-8, May 2004.

Chang, Betty

Hansel N, Wu A, Chang B, Drette G. Quality of Life in Tuberculosis: Patient and Provider Prospectives. *Quality of Life Research*, 13(3), 639-652, March 2004.

Hansel NN, Wu Albert W, Chang B, Diette GB. Quality of life tuberculosis: Patient and provider perspectives. *Quality of Life Research*, 13(7), 639-652, Jan 2004.

Chang B, Wu AW, Hansel NN, Diette GB. Quality of life in tuberculosis: A review of the English language literature. *Quality of Life Research*, 13(10), 1633-43, Dec 2004.

Chang B. Respiratory Disorders and Behavioral Medicine. *Chest*, 126(1), 322-3, July 2004.

Colleran, Kathleen M.

Colleran KM, Krentz AJ, Burge MR. Chapter 5: Hypoglycemia caused by insulin secretagogues. John Wiley and Sons, Ltd. *Emergencies in Diabetes*, 95-111, July 2004.

Garcia, David A.

Ageno W, Garcia D, Libby E, Crowther, MA. Managing oral anticoagulant therapy in patients with mechanical heart valves undergoing elective surgery: Results of a survey conducted among Italian physicians. *Blood Coagulation and Fibrinolysis*, 15(8), 623-628, April 2004.

Goade, Diane Wassil

Ye C, Prescott J, Nofchissey R, Goade D, Hjelle B. Neutralizing Antibodies and Sin Nombre Virus RNA After Recovery from Hantavirus Cardiopulmonary Syndrome. *Emerging Infectious Diseases*, 3, 478-82, March 2004.

Gonzales, Melissa

Murkerjee S, Noris GA, Smith L, Nobel C, Neas LN, Ozkaynak AH, Gonzales M. Receptor Model Comparisions and Wind Direction Analyses of Volatile Organic Compounds and Submicrometer Particles in an Arid, Binational, Urban Airshed. *Environ Sci Technol*, 15:38(8), 2317-27, April 2004.

Mukerjee S, Smith LA, Norris GA, Morandi MT, Gonzales M, Noble NA, Neas LM, Ozkaynak HA. Field Method Comparison Between Passive Air Samplers and Continuous Monitors for Volatile Compounds and NO2 in El Paso, Texas. *J Air Waste Manag Assoc*, 54(3), 307-19, March 2004.

Grigg-Damberger, Madeleine

Grigg-Damberger, M. Neurologic disorders masquerading as pediatric sleep problems. *Pediatr Clin N AM*, 51, 89-115, Nov 2004.

Harkins, Michelle S.

Harkins MS. The Immunological Basis of Asthma. Chest, 125(3):1176, 800, March 2004.

Glew RH, Brock HS, Vander Voort J, Agaba P, Harkins MS, VanderJagt DJ. Lung function and nutritional status of semi-nomadic Fulani children and adolescents in northern Nigeria. *Journal of Tropical Pediatrics*, 50(1), 20-25, Feb 2004.

VanderJagt DJ, McClung KD, Kassam H, Harkins M, Glew RH. Pulmonary Function of Fulani Herdsmen of Northern Nigeria. *Journal of the National Medical Association*, 96(4), 550-55, April 2004.

Harkins MS, Fiato K-L, Iwamoto GK. Exhaled nitric oxide predicts asthma exacerbation. *Journal of Asthma*, 41(4), 471-476, July 2004.

Harkins MS. The Immunological Basis of Asthma. Chest, 124(2), 773-74, March 2004.

Basehore MJ, Howard TD, Lange LA, Moore WC, Hawkins GA, Marshik PL, Harkins MS, Meyers DA, Bleecker ER. A comprehensive evaluation of IL-4 variants in ethnically diverse populations: Association of total serum IgE levels and asthma in white subjects. *Journal of All Clin Immunol*, 114(1), 80-87, July 2004.

Glew RH, Kassam H, Vandervoort J, Agaba P, Harkins M, VanderJagt DJ. Comparison of pulmonary function between children living in rural and urban areas in Northern Nigeria. *Journal of Tropical Pediatrics*, 50(4), 209-216, August 2004.

Harkins MS. Therapeutic Targets in Airway Inflammation. *Chest*, 126(5), 1714-1715, Nov 2004.

Herman, Carla J.

Herman, CJ, Minton D, Kalishman S. Introduction of geriatrics into the undergraduate curriculum. *Academic Medicine*, Jan 2004.

Herman C, Allen P, William C, Hunt MA, Prasad A, Brady T. Use of Complementary Therapies among Primary Care Clinic Patients with Arthritis. *Preventing Chronic Disease*, *Public Health Research*, 1, No 4, Oct 2004.

Hill, Deirdre

Hill DA, Inskip P, Linet M, Parry D, Fine HA, Shapiro WR, Selker RG, Black PM. Cancer in first-degree relatives and risk of meningioma and schwannoma in adults. *Neuro-Oncology*, 6, 331-335, Nov 2004.

Allan JM, Smith AG, Wheatley K, Hills RK, Travis LB, Hill DA, Swirsky DM, Roman E, Morgan GJ, Wild CP. The Xeroderma Pigentosum group D condon 751 polymorphism associates with treatment outcome and risk of myeloid leukemia after chemotherapy. *Blood*, 104, 3872-3877, Dec 2004.

Hoffman, Richard M.

Murata GH, Duckworth WC, Shah JH, Wendel CS, Hoffman RM. Sources of glucose variability in insulin-treated type 2 diabetes: The Diabetes Outcomes in Veterans Study (DOVES). *Clinical Endocrinology*, 60, 451-456, April 2004.

Murata GH, Duckworth WC, Shah JH, Wendel CS, Hoffman RM. Factors affecting hypoglycemia awareness in insulin-treated type 2 diabetes. *Diabetes Res Clin Pract*, 65, 61-7, July 2004.

Hoffman RM, MacDonald R, Monga M, Wilt TJ. Transurethral microwave thermotherapy versus transurethral resection for treating benign prostatic hyperplasia. *BJU Int*, 101(9), 2011-2019, Nov 2004.

Hoffman RM, Caeron-Adams M, Murata GH. Misclassifying Indications for Prostate-Specific Antigen Testing may Bias-Case-Control Studies of Prostate Cancer Screening. *Clin Epidemiology*, 57(10), 1071-1075, Oct 2004.

Hoffman RM, Gilliland FD, Penson DF, Stone SN, Hunt WC, Potosky AL. Cross-Sectional and longitudinal comparisons of health-related quality of life betwen prostate cancer patients and matched controls. *Cancer*, 101(9), 2011-2019, Nov 2004.

Murata GH, Duckworth WC, Hoffman RM, Wendel CS, Adam KD, Solvas PA, Bokhari SU, and Shah JH. Weekly variation in the contribution of blood glucose to hemoglobin A1c in type 2 diabetes. *Am J Med Sci* 2004; 327: 319-23.

Murata GH, Hoffman RM, Wendel CS, Duckworth WC, and Shah JH. A probabilistic model for predicting hypoglycemia in type 2 diabetes. The Diabetes Outcomes in Veterans Study (DOVES). *Arch Intern Med* 2004; 164: 1445-1450.

Legler JM, Davis WW, Potosky AL, and Hoffman RM. Latent variable modeling of recovery trajectories: sexual function following radical prostatectomy. *Statist Med* 2004; 23: 3875-93.

Potosky AL, Davis WW, Hoffman RM, Stanford JL, Stephenson RA, Penson DF, and Harlan LC. Five year health outcomes following surgery versus radiotherapy for clinically localized prostate cancer. The Prostate Cancer Outcomes Study (PCOS). *J Natl Cancer Inst* 2004; 64: 6673-8.

Kang T, Gilliland FD, Hoffman RM, Deapen D, Penson D, Stanford J, Albertsen P, and Hamilton AS. Racial/ethnic differences in health-related quality of life during the five years after diagnosis of clinically localized prostate cancer: results from the Prostate Cancer Outcomes Study. *J Clin Onc* 2004; 22:4193-4201.

Murata GH, Shah JH, Duckworth WC, Wendel CS, Mohler MJ, and Hoffman RM. Adherence of type 2 diabetic veterans to the 2003 dietary recommendations of the American Diabetes Association. The Diabetes Outcomes in Veterans Study (DOVES). *J Am Dietetic Assoc* 2004; 104:1816-26.

Hoffman RM, MacDonald R, and Wilt TJ. Laser prostatectomy for benign prostatic obstruction (Cochrane Review). *The Cochrane Library*, Issue 1, 2004. Chichester, UK: John Wiley & Sons, Ltd.

Hoffman RM. Screening for prostate cancer. UpToDate, Version 12.3, October 2004.

Murata GH, Duckworth WC, Hoffman RM, Wendel CS, Mohler MJ, and Shah JH. Hypoglycemia in type 2 diabetes: a critical review. *Biomed Pharmacother* 2004; 58:551-9.

Hoffman R. Re: Doxazosin plus finasteride reduced clinical progression of benign prostatic hyperplasia more than either drug used alone. ACP Journal Club 2004: 141:20.

Hromas, Robert A.

Ramsey H, Christopher K, Hromas R. Forced expression of AML1-AMP19, a fusion transcript generated from a radiation-associated t(19;21) leukemia, blocks myeloid differentiation. *Leukemia Research*, 28(8), 863-868, August 2004.

Christopher K, Hromas R. Endothelial Chemokines in Auto-Immune Disease. *Current Pharmaceutical Design*, 10(2), 145-154, Feb 2004.

Guo Y, Einhorn L, Kelley M, Hirota K, Yodoi J, Reinbold R, Scholer H, Ramsey H, Hromas R. Redox regulation of the embryonic stem cell transcription factor oct-4 by thioredoxin. *Stem Cells*, 22(3), 259-264, March 2004.

Kellie, Susan M.

German JW, Kellie SM, Pai MP, Turner PT. Treatment of a chronic Scedosporiumapiospermum vertebral osteomyelitis. *Neurosurgery Focus*, 17, E9, Dec 2004.

Kitzes, Judith K.

Kitzes J. Constipation. Indian Health Service Provider Journal, March 2004.

Kitzes J, Domer T. Pain and Palliative Care in Developing World and Marginalized Populations. *Pallative Care: An Emerging Issue for American Indians/Alaska Natives*. Haworth Press. June 2004.

Kitzes J. Death Pronouncement. Indian Health Service Provider Journal, Jan 2004.

Finke B, Bowannie T, Kitzes J. Palliative Care in the Pueblo of Zuni. *Journal of Palliative Medicine*, Jan 2004.

Kitzes J, Domer T. Palliative Care: An Emerging Issue for American Indians/Alaska Natives. *Journal of Pain and Palliative Care Pharmacotherapy*, 17-3/4 2003, 201-210, Feb 2004.

Kitzes J, Berger L. End-of-life Issues for American Indians: Insights from one Indian Health Service Area. *Journal of Palliative Medicine*, 7, Issue 6, March 2004.

Knoefel, Janice

Pugh MJV, Cramer J, Knoefel JE, Charbonneau A, Mandell A, Kazis L. Potentially Inappropriate Antiepileptic Drugs for Elderly Patients with Epilepsy. *Journal of American Geriatrics Society*, 52, S54-55, Jan 2004.

Lawrence, Elizabeth

Lawrence E. Diagnosis and Management of Migraine Headaches. *Southern Medical Journal*, 97, 1069-1077, Nov 2004.

Lee, Fa-Chyi

Verschraegen CF, Smith HO, Lee FC, Cathcart C, Norenberg JP. TLK-286. *IDrugs*, 7(8), 771-781, August 2004.

Lee, Sang-Joon

Rosser CJ, Kuban DA, Lee S-J, Levy LB, Pettaway C, Kamat AM, Chichakli R, Lee A, Cheung RM, Sanchez-Ortiz R, Pisters LL. Racial influence on biochemical disease-free survival in men treated with external-beam radiotherapy for localized prostate cancer. *Journal of National Medical Association*, 96(7), 939-944, July 2004.

Min DU, Roxana A Irani, David N Stivers, Sang-Joon Lee, Elizabeth L Travis. H2-Ea Deficiency Is a Risk Factor for Bleomycin-Induced Lung Fibrosis in Mice. *Cancer Research*, 64, 6835-6839, Oct 2004.

Libby, Edward N.

Ageno W, Garcia D, Libby E, Crowther, MA. Managing oral anticoagulant therapy in patients with mechanical heart valves undergoing elective surgery: Results of a survey conducted among Italian physicians. *Blood Coagulation and Fibrinolysis*, 15(8), 623-628, April 2004.

Ma, Thomas Y.

Ma TY, Iwamoto GK, Hoa NT, Akotia V, Pedram A, Boivin MA, Said HM. Mechanism and Regulation of Folate Uptake by Human Pancreatic Epithelial MIA PaCa-2-cells. *Am J Physiol Gastrointest Liver Physiol.*, 286(3), G367-376, March 2004.

Nabokina SM, Ma TY, Said HM. Mechanism and regulation of folate uptake by human pancreatic epithelial MIA PaCa-2 cells. *Am J Physiol Cell Physiol*, 287(1), C1, 42-48, July 2004.

Mertz, Gregory J.

Boulanger LL, Ettestad P, Fogarty JD, Dennis DT, Romig D, Mertz GJ. Gentamicin and tetracyclines for the treatment of human plague: A review of 75 cases in New Mexico, 1985-1999. *Clinical Infectious Diseases*, 38, 663-669, March 2004.

Torrez-Pérez F, Navarrete-Drougett J, Aldunate R, Yates TL, Mertz GJ, Vial PA, Ferrés M, Marquet PA, and Palma RE. Peridomestic small mammals associated with confirmed cases of Human Hantavirus Disease in southcentral Chile. *American Journal of Tropical Medical & Hygiene*, 70, 305-309, March 2004.

Castillo C, Villagra E, Sanhueza L, Ferrés M, Mardones J, Mertz GJ. Prevalence of antibodies to Hantavirus among family and healthcare worker contacts of persons with Hantavirus Cardiopulmonary Syndrome in Chile: Lack of evidence for nosocomial transmission of Andes virus to healthcare workers in Chile. *American Journal of Tropical Medical & Hygiene*, 70, 302-304, March 2004.

Corey L, Wald A, Patel R, Sacks SL, Tyring SK, Warren T, Douglas JM Jr., Paavonen J, Ashley Morrow R, Beutner KR, Stratchounsky LS, Mertz G, Keen ON, Watson HA, Tait D, Vargas-Cortes M for the Valacyclovir HSV Transmission Study Group. Once-Daily Valacyclovir to Reduce the Risk of Transmission of Genital Herpes. *New England Journal of Medicine*, 350, 11-20, Jan 2004.

Mertz GJ, Miedzinski L, Goade D, Pavia AT, Hjelle B, Hansbarger CO, Levy H, Koster FT, Baum K, Lindemulder A, Wand W, Riser L, Fernandez H, Whitley RJ. Placebo-Controlled, Double-Blind Trial of Intravenous Ribavirin for Hantavirus Cardiopulmonary Syndrome in North America. *Clin Infect Dis*, 39, 1307-1313, Nov 2004.

Moseley, Pope L.

Savell J, Ma Y, Morrow R, Jove R, Olashaw N, Moseley P, Cress WD, Wharton W. AG490 Inhibits G1/S Traverse in BALB/c-3T3 Cells following either Mitogenic Stimulation of Exogenous Expression of E2F-1. 3. *Molecular Cancer Therapeutics*, 205-213, Feb 2004.

Roigas J, Jensen CA, Wallen ES, Loening SA, Wharton W, Moseley PL. Repression of thermotolerance in Dunning R3327 Prostate Carcinoma Cells by 2-Deoxyglucose. *Int. J Hyperthermia*, 20, No. 6, 557-566, Sept 2004.

Mulloy, Karen B.

Moraga-McHaley S, Mulloy KB, Voorhess. Occupational Health Surveillance in New Mexico: Highlights from the CSTE Indicators Project. 2004 New Mexico Epidemiology Report, No. 6, 1-3, July 2004.

Moraga-McHaley S, Mulloy KB, Voorhees R. "Occupational Injury Fatalities in New Mexico: 1998-2002." *New Mexico Selected Health Statistics Annual Report.* The State Center for Health Statistics, Office of New Mexico Vital Records & Health Statistics. June 2004, pp. S10-S16.

Murata, Glen H.

Murata GH, Duckworth WC, Shah JH, Wendel CS, Hoffman RM. Factors affecting hypoglycemia awareness in insulin-treated type 2 diabetes. *Diabetes Res Clin Pract*, 65, 61-67, July 2004.

Hoffman RM, MacDonald R, Monga M, Wilt TJ. Transurethral microwave thermotherapy versus transurethral resection for treating benign prostatic hyperplasia. *BJU Int*, 101(9), 2011-2019, Nov 2004.

Hoffman RM, Caeron-Adams M, Murata GH. Misclassifying Indications for Prostate-Specific Antigen Testing may Bias-Case-Control Studies of Prostate Cancer Screening. *Clin Epidemiology*, 57(10), 1071-1075, Oct 2004.

Osborn, Larry A.

Pai RK, Kedia A, Hsu PYF, Osborn LA, Taylor RA. AIDS with associated severe corpulmonale & large pericardial effusion with cardiac tamponade. *Cardiology in Review*, 12, 49-55, June 2004.

Pai RK, Osborn LA. Giant ascending aortic aneurysm with type A dissection diagnosed by aortography. *Cardiology in Review*, 12, 106, June 2004.

Pai RK, Pergam SA, Kedia A, Cadman CS, Osborn LA. Pacemaker lead infection secondary to Haemophilus Parainfluenzae. *PACE*, 27, July 2004.

Patt, Yehuda Z.

Cusnir M, and Patt YZ. Novell systemic therapies for Hepatocellular carcinoma. Cancer *J*;10: 97-103, 2004.

Patt YZ, Hassan MM, Aguayo A, Nooka AJ Lozano RD, Curley SA, Vauthey JN, Ellis LM, Schnirer II, Wolf RA, Charnsangavej C, Brown TD. Oral Capecitabine (Xeloda®) for Hepatocellular Carcinoma, Cholangiocarcinoma and Gallbladder Cancer. *Cancer* 101:578-586, 2004.

Prasad, Arti

Prasad A. Body Boosters-More Options Available to Ease Midlife Symptoms. *Albuquerque Journal*, May 2004.

Prasad A. Body Boosters-Don't Depend on Herbal Remedies to Back Off Cold and Flu. *Albuquerque Journal*, Jan 2004.

Herman C, Allen P, William C, Hunt MA, Prasad A, Brady T. Complementary Therapy Use among Primary Care Clinic Patients with Arthritis. *Preventing Chronic Disease*, *Public Health Research*, 1, No. 4, Oct 2004.

Rabinowitz, Ian

Rabinowitz I, Larson RS. Wintrobe's Clinical Hematology. *Chronic Myeloid Leukemia*. 11th. Lippincott, Williams & Wilkins. 2235-2258, Jan 2004.

Raj, Dominic

Raj DSC, Welbourne TC, Dominic EA, Waters D, Wolfer R and Ferrando A. Glutamine Kinetics in end-stage renal disease. *Am J Physiol*, 288, E37-E46, 2004.

Raj DSC, Dominic EA, Wolfe RA, Shah O, Bankhurst A, Zager P, Ferrando A. Coordinated increase in albumin, fibrinogen and muscle protein synthesis during hemodialysis: Role of cytokines. *Am J Physiol, Endocrinol and Metab*, 286, E658-E664, 2004.

Raj DSC, Lim G, Levi M, Qualls C, Jain SK. Advanced glycation end products and oxidative stress are increased in chronic allograft nephropathy. *Am J Kidney Dis*, 43, 154-160, 2004.

Raj DSC, Zager P, Shah VO, Dominic EA, Adeniyi O, Blandon P, Wolfe R, Ferrando A. Protein turnover and amino acid transport kinetics in end-stage renal disease. *Am J Physiol*, 286 (1):E136-E143, 2004.

Royce, Melanie E.

Vinh-Hung V, Verschraegen C, Promish DI, Cserni G, Van de Steene J, Tai P, Vlastos G, Voordeckers M, Storme G, Royce M. Ratios of involved nodes in early breast cancer. *Breast Cancer Research*, 6(6), R680-688, Oct 2004.

Ayers M, Symmans WF, Stec J, Damokosh AI, Clark E, Hess K, Leococke M, Metivier J, Booser D, Ibrahim N, Valero V, Royce M, Arun B, Whitman G, Ross J, Sneige N, Hortobagyi GN, Pusztai L. Gene expression profiles predict complete pathologic response to neoadjuvant paclitaxel and fluorouracil, doxorubicin, and cyclophosphamide cheotherapy in breast cancer. *Journal of Clinical Oncology*, 22(12), 2284-2293, June 2004.

Pusztai L, Medoza TR, Reuben JM, Martinez MM, Willey JS, Lara J, Syed A, Fritsche HA, Bruera E, Booser D, Valero V, Arun B, Ibrahim N, Rivera E, Royce M, Cleeland CS, Hortobagyi GN. Changes in plasma levels of inflammatory cytokines in response to paclitaxel chemotherapy. *Cytokine*, 25(3), 94-102, Feb 2004.

Royce ME, Xia W, Sahin AA, Katayama H, Johnston DA, Hortobagyi G, Sen S, Hung MC. STK15/Aurora-A expression in primary breast tumors is correlated with nuclear grade but not with prognosis. *Cancer*, 100(1), 12-19, Jan 2004.

Royce M, Rowinsky EK, Hoff PM, Coyle J, de Jager R, Pazdur R, Saltz L. A phase II study of intravenous exatecan mesylate (DX-8951f, DX) administered daily for five days every three weeks to patients with advanced or metastatic adenocarcinoma of the colon or rectum. *Journal of Investigational New Drugs*, 22(1), 53-56, Jan 2004.

Rubin, Richard H.

Rubin, RH. Medical Care of the Elderly. 1st. Springer Publishing Company. *Multidisciplinary Perspectives on Aging*, 111-126. Oct 2004.

Schade, David S.

Burge MR, Chelliah A, Schade DS. Hypoglycemia in type 2 diabetes. *Diabetes Mellitus*, a fundamental and clinical text. 3rd. Lippincott, Williams & Wilkins. 1213-1224, July 2004.

The Diabetes Prevention Program (DPP) Research Group, Including Schade DS. Dietary intake in the DPP cohort: Baseline and 1-year post-randomization. *Annals of Epidemiology*, 14(10), 763-772, Nov 2004.

The Diabetes Prevention Program Group, Including Schade DS. Achieving weight and activity goals among Diabetes Prevention Program lifestyle participants. *Obesity Research*, 12(9), 1426-1434, Sept 2004.

Schuyler, Mark R.

Sklar L, Tsuji H, Edwards B, Larson R, Schuyler M. Allergy, Eosinophil traffic in the circulation following allergen challenge. *European J of Allergy & Clinical Immunology*, 59, 596-605, July 2004.

Schuyler M, Gott K, French V. The Role of MIP-1cx in Experimental Hypersensitivity Pneumonitis. *Lung*, 182, 135-149, July 2004.

Schuyler M. Hypersensitivity Pneumonitis. *Textbook of Pulmonary Diseases*. 7th Edition. Lippincott, Williams and Wilkins. 481-498, July 2004.

Shah, Vallabh

Raj DSC, Dominic EA, Wolfe R, Shah VO, Bankhurst A, Zager PG, and Ferrando A. Coordinated increase in albumin, fibrinogen, and muscle protein synthesis during hemodialysis: role of cytokines. *Am J Physiol Endocrinol Metab*, Apr 2004; 286: E658-664.

Raj DSC, Zager PG, Shah VO, Dominic EA, Oladipo A, Blandon P, Wolfe R, and Ferrando A. Protein turnover and amino acid transport kinetics in ESRD. *American J of Physiology Endocrinology*, 286: E136-E143, 2004.

Simpson, Anne R.

"Patients' Rights" and "African American," Encyclopedia of Women's Health, Kluwer Academic/Plenum Publishers, 2004.

"Cultural Issues and Elder Mistreatment," Clinics in Geriatric Medicine, Elsevier Saunders, 2004.

Taylor, Robert A.

Pai RK, Kedia A, Hsu PYF, Osborn LA, Taylor RA. AIDS with associated severe corpulmonale and large pericardial effusion with cardiac tamponade. *Cardiology in Review*, 12, 49-55, June 2004.

Thomas, Elaine

Thomas, Elaine. Chlamydia Trachomatis: A Common and Serious Infection. *The IHS Primary Care Provider*, 29(11), 249-254, Nov 2004.

Thompson, Janice L.

Harnack L, Himes JH, Anliker J, Clay T, Gittelsohn J, Jobe JB, Ring K, Snyder P, Thompson J, Weber JL. Intervention-related bias in reporting of food intake by fifthgrade children participating in an obesity prevention study. *American Journal of Epidemiology*, 160, 1117-1121, Nov 2004.

Thompson J, Manore M. Nutrition: An Applied Approach. 1st edition. Benjamin Cummings Publishing Co. *Nutrition: An Applied Approach*, Sept 2004.

Verschraegen, Claire F.

Li Q, Verschraegen, C, Mendoza J, Hassan R. Cytotoxic Activity of the Recombinant Anti-mesothelin Immunotoxin, SS1 (dsFv)PE38, towards Tumor Cell Lines Established from Ascites of Patients with Peritoneal Mesotheliomas. *Anticancer Research*, 24, 1327-1335, March 2004.

Verschraegen CF, Kudelka AP, Hu W, Vincent M, Kavanagh JJ, Loyer E, Bastien L, Duggal A, De Jager R. A phase II study of intravenous exatecan mesylate (DX-8951f) administered daily for 5 days every 3 weeks to patients with advanced ovarian, tubal or peritoneal cancer resistant to platinum, taxane and topotecan. *Cancer Chemotherapy Pharmacology*, 53, 1-7, Jan 2004.

Hu W, Wu W, Verschraegen CF, Chen L, Yeung SC, Kudelka AP, Freedman RS, Kavanagh JJ. Proteomic identification of heat shock protein 70 as a candidate target for enhancing apoptosis induced by farnesyl transferase inhibitor. *Proteomics*, 3, 1904-1911, Jan 2004.

Bedrosian I, Lu KH, Verschraegen C, Keyomarsi K. Cyclin E deregulation alters the biologic properties of ovarian cancer cells. *Oncogene*, 1-10, March 2004.

Verschraegen CF, Smith HO, Lee FC, Cathcart C, Norenberg JP. TLK-286 Telik. *IDrugs*, 7(8), 771-781, August 2004.

Verschraegen C, Vinh-Hung V. Breast-conserving surgery with or without radiotherapy: Pooled analysis for risks of ipsilateral breast tumor recurrence and mortality. *J National Cancer Institute*, 96(14), 1111-1112, July 2004.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LW, Padilla LA, Key CR. Gestational Trophoblastic Neoplasia in American Indians. *The Journal of Reproductive Medicine*, 49(7), 535-543, July 2004.

Verschraegen CF, Padilla-Paz LA, Smith HO. New Strategies in the Prevention and Treatment of Cervical Cancer. *The Internet Journal of Oncology*, 2(1), 1-18, April 2004.

Vinh-Hung V, Verschraegen C, Promish DI, Cserni G, Van de Steene J, Tai P, Vlastos G, Voordeckers M, Storme G, Royce M. Ratios of involved nodes in early breast cancer. *Breast Cancer Research*, 6(6), R680-688, Oct 2004.

Waters, Debra

Sisk E, Lockner D, Wold R, Waters D, Baumgartner R. The impact of Folic Acid Fortification of Enriched Grains on an elderly Population: The New Mexico Aging Process Study. *J Nutr Aging*, 8(3), 140-143, May 2004.

Sisk E, Lockner D, Wold R, Waters D, Baumgartner R. The Impact of Folic Acid Fortification of Enriched Grains on an Elderly Population: The New Mexico Aging Process Study. *Journal of Health Nutrition and Aging*, 8(3), 140-143, July 2004.

Wharton, Walker

Savell J, Ma Y, Morrow R, Jove R, Olashaw N, Moseley P, Cress WD, Wharton W. AG490 Inhibits G1/S Traverse in BALB/c-3T3 Cells following either Mitogenic Stimulation of Exogenous Expression of E2F-1. *Molecular Cancer Therapeutics*, 3, 205-213, Feb 2004.

Roigas J, Jensen CA, Wallen ES, Loening SA, Wharton W, Moseley PL. Repression of thermotolerance in Dunning R3327 Prostate Carcinoma Cells by 2-Deoxyglucose. *Int J Hyperthermia*, 20, No. 6, 557-566, Sept 2004.

Molecular Genetics and Microbiology

Arias Pulido, Hugo

Rao PH, Arias-Pulido H, Lu X-Y, Harris CP, Vargas H, Zhang FF, Narayan G, Schneider A, Terry MB, Murty VVVS. Chromosomal amplifications, 3q gain and deletions of 2q33-q37 are the frequent genetic changes in cervical carcinoma. *BMC Cancer*, 4, 5, July 2004.

Narayan G, Arias-Pulido H, Nandula SV, Sugirtharaj DD, Vargas H, Mansukahni M, Villella J, Meyer L, Schneider A, Gissmann L, Durst M, Pothuri B, Murty VVV. Promoter hypermethylation of FANCF: Disruption of fanconi anemia-BRCA pathway in cervical cancer. *Cancer Res*, 64, 2994-2997, July 2004.

Arias-Pulido H, Joste N, Wheeler C. Loss of heterozygosity on chromosone 6 in HPV-16 positive cervical carcinomas carrying the DRB1*1501-DQB1*0602 haplotype. *Chromosomes Cancer*, 40, 277-284, July 2004.

Bill, Colin A.

Bill CA, Summers Genomic DNA double-strand breaks are targets for hepadnaviral DNA integration. *J Natl Acad Sci USA*, 101, 11135-11140, July 2004.

Nickoloff, Jac A.

Wang H, Boecker W, Wang H, Wang X, Guan J, Nickoloff, JA, Thompson LH. Caffeine inhibits homology directed repair of I Scel induced DNA double-strand breaks. *Oncogene*, 23, 824-834, July 2004.

Bailey SM, Brenneman MA, Halbrook J, Nickoloff JA, Ullrich RL, Goodwin EH. The kinase activity of DNA-PK is required to protect mammalian telomeres. *DNA Repair*, 3, 225-233, July 2004.

Miller CA, Bill CA, Nickoloff JA. Characterization of palindromic loop mismatch repair tracts in mammalian cells. *DNA Repair*, 3, 421-428, July 2004.

Huang L, Grimm S, Smith LE, Kim PM, Nickoloff JA, Goloubeva OG, Morgan WF. Ionizing radiation induces delayed hyperrecombination in mammalian cells. *Molecular Cell Biology*, 24, 5060-5068, July 2004.

Nickoloff JA, Brenneman MA. Analysis of recombinational repair of DNA double-strand breaks in mammalian cells with I Scel nuclease. *Meth Mol Biol*, 262, 35-52, July 2004.

Panganiban, Antonito

Mir MA, Panganiban AT. Trimeric Hantavirus Nucleocapsid Protein Binds Specifically with the Viral RNA Panhandle. *J Virology*, 78, 8281-8288, August 2004.

Rubin, Robert

Teodorescu M, Ustiyan V, Russo K, Rubin RL. Binding to histone of an anomalous IgG from patients with SLE and drug-induced lupus. *J Clin Immunol*, 110, 145-153, July 2004.

Yang Z, Jakymiw A, Wood MR, Eystathioy T, Rubin RL, Fritzler MJ, Chan EKL. GW182 is critical for the stability of GW bodies expressed during the cell cycle and cell proliferation. *J Cell Science*, 117, 5567-5578, July 2004.

Rubin RL, Kretz-Rommel A. Drug-Induced Autoimmunity. In *Stem Cell Therapy of Autoimmune Disease*, 173-181, July 2004.

Rubin RL. Antihistine antibodies. Systemic Lupus Erythematosus, 4th edition, 325-348, July 2004.

Neurology

Adair, John C.

Lee BH, Jeong Y, Kang SJ, Baek MJ, Chin J, Adair JC, Na DL. Visutal Search Pattern during the Line Quadrisection Task in Normal Subjects. *Experimental Brain Research*, 156, 487-494, Jan 2004.

Adair JC, Charile J, Dencoff JE, Kaye JA, Quinn JF, Camicioli RM, Stetler-Stevenson WG, Rosenberg GA. Measurement of gelatinase B (MMP-9) in the cerebrospinal fluid of patients with vascular dementia and Alzheimer's disease. *Stroke*, 35(6), 159-162, June 2004.

Lee BH, Kang SJ, Park JM, Son Y, Lee KH, Adair JC, Heilman KM, Na DL. The character-line bisection task: A new test for hemispatial neglect. *Neuropsychologia*, 42, 1715-1724, July 2004.

Lee BH, Kim M, Kang SJ, Park KC, Kim EJ, Adair JC, Na DL. Pseudoneglect in solid-line versus character-line bisection tasks: A test for attention dominance theory. *Cogn Behav Neurol*, 17, 174-178, July 2004.

Adair JC, Lee RR. Abnormal FLAIR signal foci in the splenium of a patient with presenilin-1 mutation. *American Journal of Neuroradiology*, 25, 1864-1865, July 2004.

Chapin, John E.

Klein CJ, Boes CJ, Chapin JE, Lynch CD, Campeau NG, Dyck JB, Dyck PJ. Adult pollyglucosan body disease: case description of an expanding genetic and clinical syndrome. *Muscle & Nerve*, 29, 323-328, Feb 2004.

Davis, Larry E.

Davis L. Neurology for the Non-Neurologist. *Central Nervous System Infections*. 5th edition. Lippincott Williams & Wilkins, 477-487, Jan 2004.

Davis LE, Eisen SA, Murphy FM, Alpern R, Parks BJ, Blanchard M, Reda DJ, King MK, Mithen FA, Kang HK. Clinical and laboratory assessment of distal peripheral nerves in Gulf War veterans and spouses. *Neurology*, 62 (suppl 5), A267, April 2004.

Hyang M, Davis LE, Aine C, Weisend M, Harrington D, Christner R, Stephen J, Edgar JC, Herman M, Meye J, Paulson K, Martin K, Lee RR. MEG response to median nerve stimulation correlates with recovery of sensory and motor function after stroke. *Clin Neurophysiol*, 115, 820-833, July 2004.

Davis, L. Central Nervous System Infections. 5th Edition. Lippincott Williams & Wilkins. *Neurology for the Non-Neurologist*, 477-487, July 2004.

Davis LE. Botulism. MedLink Corporation. MedLink CD rom Neurology Textbook, July 2004.

Davis LE. Review of Clinical Neurovirology. Neurology, 55, 900, July 2004.

Ford, Corey C.

Panitch H, Miller A, Pay D, Weinshenker B, Picone MA, Blake C, Jeffery D, Ford C, et al. Interferon beta-1b in secondary progressive MS – Results from a 3-year controlled study. *Neurology*, 63(10), 1788-1795, Nov 2004.

Graham, Glenn D.

Cavendish JJ, Cramer SC, Graham GD. Role of antiplatelet therapy in cardiovascular disease II: ischemic stroke. *Curr Med Res Opin*, 20, 1845-1849, July 2004.

Johnson, Mary I.

Johnson M. Headaches in Children. HealthSmart, Vol. 13, No. 1, Jan 2004.

Jung, Rex

Hill DE, Ciesielski KT, Hart BL, Jung RE. MRI Morphometric and Neuropsychological Correlates of Long-term Memory in Survivors of Childhood Leukemia. *Pediatric Blood & Cancer*, 42, 611-617, Jan 2004.

Haier RJ, Jung RE, Yeo RA, Head K, Alkire MT. Structural Brain Variation and General Intelligence. *NeuroImage*, 23, 425-433, July 2004.

King, Molly K.

Davis LE, Eisen SA, Murphy FM, Alpern R, Parks BJ, Blanchard M, Reda DJ, King MK, Mithen FA, Kang HK. Clinical and laboratory assessment of distal peripheral nerves in Gulf War veterans and spouses. *Neurology*, 61 (suppl 5), A267, Jan 2004.

Morrison, Leslie

Morrison L. Tourette Syndrome. *HealthSmart*, Vol. 13, No. 1, Jan 2004.

Mun-Bryce, Sheila

Rosenberg GA, Mun-Bryce S. Matrix metalloproteinases in neuroinflammation and cerebral ischemia. *Ernst Schering Res Found Workshop*, 47, 1-16, Jan 2004.

Mun-Bryce S, Wilkerson A, Pacheco B, Zhang T, Want Y, Rai S, Okada JC. Depressed cortical excitability and elevated matrix metalloproteinases in remore brain regions following intracerebral hemorrhage. *Brain Research*, 12:1026(2), 227-234, Nov 2004.

Mun-Bryce S, Roberts LJ, Hunt WC, Bartolo A, Okada YC. Acute changes in cortical excitability in the cortex contralateral to focal intracerebral hemorrhage in the swine. *Brain Research*, 12:1026(2), 218-226, Nov 2004.

Okada, Yoshio

Pihko E, Lauronen L, Wikstrom H, Taulu S, Nurminen J, Kivitie-Kallio S, Okada Y. Somatosensory evoked potentials and magnetic fields elicited by tactile stimulation of the hand during active and quiet sleep in newborns. *Clin Neurophysiol*, 115, 448-455, July 2004.

Mun-Bryce S, Wilkerson A, Pacheco B, Zhang T, Rai S, Wang Y, Okada Y. Depressed cortical excitability and elevated matrix metalloproteinases in remore brain regions following intracerebral hemorrhage. *Brain Res*, 1026(2), 227-234, July 2004.

Mun-Bryce S, Roberts LJ, Curtis Hunt W, Bartolo A, Okada Y. Acute changes in cortical excitability in the cortex contralateral to focal intracerebral hemorrhage in the swine. *Brain Res*, 1026, 218-226, July 2004.

Phillips, John P.

Phillips J. What is Cerebral Palsy? *HealthSmart*, Vol. 13, No. 1, Jan 2004.

Rosenberg, Gary A.

Adair JC, Charlie J, Dencoff JE, Kaye JA, Quinn JF, Camicioli RM, Stetler-Stevenson WG, Rosenberg GA. Measurement of gelatinase B (MMP-9) in the cerebrospinal fluid of patients with vascular dementia and Alzheimer's disease. *Stroke*, 35, 159-162, June 2004.

Gursoy-Ozdemir Y, Qiu J, Matsuoka N, Bolay H, Bermpohl D, Jin H, Wang X, Rosenberg GA, Lo EH, Moskowitz MA. Cortical spreading depression activates and upregulates MMP-9. *J Clin Invest*, 113-(10), 1447-1455, May 2004.

Liu J, Rosenberg GA, Shi H, Furuichi T, Timmins GS, Cunningham LA, Liu KJ. Xanthine oxidase activates pro-matrix metalloproteinase-2 in cultured rat vascular smooth muscle cells through non-free radical mechanisms. *Arch Biochem Biophys*, 426, 7-11, June 2004.

Rosenberg GA, Mun-Bryce S. Matrix metalloproteinases in neuroinflammation and cerebral ischemia. *Ernst Schering Res Found Workshop*, 47, 1-16, Jan 2004.

Wetzel M, Tibbitts J, Rosenberg GA, Cunningham LA. Vulnerability of mouse cortical neurons to doxorubicin-induced apoptosis is strain-dependent and is correlated with mRNAs encoding Fas, Fas-Ligand, and metalloproteinases. *Apoptosis*, 9(5), 649-656, Sept 2004.

Rosenberg GA, Mun-Bryce S. Matrix metalloproteinases in neuroinflammation and cerebral ischemia. *Ernst Schering Res Found Workshop*, 47, 1-16, July 2004.

Rosenberg GA, Esiri M. Hydrocephalus and dementia. *The Neuropathology of Dementia*. 2nd Edition. Cambridge University Press. July 2004.

Shih, Jerry J.

Huang MX, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weissend MP, Hanlon F, Paulson KM, Miller GA, Canive JM. Commonalities and differences among a variety of beamformer approaches in electromagnetic source imaging. *Brain Topography*, 16(3), 139-158, Jan 2004.

Shih JJ, Weisend MP, Sanders JA, Dermon JD, Lewine JD, Lee RR. Areas of interictal spiking are associated with metabolic dysfunction in MRI-negative temporal lobe epilepsy. *Epilepsia*, 45(3), 223-229, Jan 2004.

Shih JJ, Cohen LG. Cortical reorganization in the human brain: how the old dog learns depends on the trick. *Neurology*, 63(10), 1772-1773, Nov 2004.

Knowlton RC, Shih JJ. Magnetoencephalography in epilepsy. *Epilepsia*, 45, Supplement 4, 61-71, July 2004.

Huang MX, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weisend MP, Hanlon F, Paulson KM, Miller GA, Canive, JM. Commonalities and differences among a variety of beamformer approaches in electromagnetic source imaging. *Brain Topography*, 16(3), 139-158, July 2004.

Shih JJ, Weisend MP, Sanders JA, Dermon JD, Lewine JD, Lee RR. Areas of interictal spiking are associated with metabolic dysfunction in MRI-negative temporal lobe epilepsy. *Epilepsia*, 45(3), 223-229, July 2004.

Sood, Rohit R.

Sood RR. Off-resonance binomial preparatory pulse technique for high sensitivity MRI of H2O-17. *Magn Res Imag*, 22:2, 181-195, Jan 2004.

Sood R. Off resonance binomial preparatory pulse technique for high sensitivity MRI of H2 017. *Magn Res Imag*, 22, 181-195, July 2004.

Zhang, Tongsheng

Mun-Bryce S, Wilkerson A, Pacheco B, Zhang T, Rai S, Wang Y, Okada Y. Depressed cortical excitability and elevated matrix metalloproteinases in remote brain regions following intracerebral hemorrhage. *Brain Res*, 1026(2), 227-234, Nov 2004.

Neurosciences

Allan, Andrea M.

Bustillo J, Wolff C, Myers y Gutierrez A, Dettmer TS, Cooper TB, Allan A, Lauriello J, Valenzuela CF. Treatment of rats with antipsychotic drugs: Lack of an effect on brain NAA levels. *Schizophrenia Research*, 66, 31-39, Jan 2004.

Shelton KL, Dukat M, Allan AM. Effect of 5-HT3 receptor over-expression on the discriminative stimulus effects of ethanol. *Alcohol Clinical Exp Research*, 28, 1161-1171, July 2004.

Caldwell, Kevin K.

Buckley CT, Caldwell KK. Fear conditioning is associated with altered integration of PLC and ERK signaling in the hippocampus. *Pharmacol Biochem Behav*, 79, 633-640, July 2004.

Buckley CT, Sekiya F, Kim YJ, Rhee SG, Caldwell KK. Identification of phospholipase C-y1 as a mitogen-activated protein kinase substrate. *J Biol Chem*, 279, 41807-41814, July 2004.

Weeber EJ, Caldwell KK. Delay fear conditioning modifies phospholipase C-B1a signaling in the hippocampus and frontal cortex. *Pharmacol Biochem Behav*, 78, 155-164, July 2004.

Galindo R, Frausto S, Wolff C, Caldwell KK, Perrone-Bizzozero NI, Savage DD. Prenatal ethanol exposure reduces mGluR5 receptor number and function in the dentate gyrus of adult offspring. *Alcoholism: Clin Exp Res*, 28, 1587-1597, July 2004.

Connor, John A.

Xing H, Azimi-Zonooz A, Shuttleworth CW, Connor JA. Caffeine releasable stores of Ca2+ show depletion prior to the final steps in delayed CA1 neuronal death. *Journal of Neurophysiology*, 92, 2960-2967, July 2004.

Hoskison MM, Connor JA, Shuttleworth CW. GABA B-receptor modulation of short-term synaptic depression at an excitatory input to murine hippocampal CA3 pyramidal neurons. *Neuroscience Letters*, 365, 48-53, July 2004.

Cunningham, Lee Anna

Liu W, Rosenberg GA, Shi H, Furuichi T, Timmins GS, Cunningham LA, Liu KJ. Xanthine oxidase activates pro-matrix metalloproteinase-2 in cultured rat vascular smooth muscle cells through non-free radical mechanisms. *Archives of Biochemistry and Biophysics*, 426, 11-17, Jan 2004.

Wetzel M, Tibbits J, Rosenberg G, Cunningham LA. Vulnerability of mouse cortical neurons to doxorubicin-induced apoptosis is strain-dependent and is correlated with mRNAs encoding Fas, Fas-Ligand, and metalloproteinases. *Apoptosis*, 9, 649-656, July 2004.

Guzowski, John F.

Vazdarjanova A, Guzowski JF. Differences in hippocampal neuronal population responses to modifications of an environmental context: Evidence for distinct, yet complementary, functions of CA3 and CA1 ensembles. *J Neuroscience*, 24, 6489-6496, July 2004.

Chawla MK, Lin G, Olson K, Vazdarjanova A, Burke SN, McNaughton BL, Worley PF, Guzowski JF, Roysam B, Barnes CA. 3D-catFISH: A system for automated quantitative three-dimensional compartmental analysis of temporal gene transcription activity imaged by fluorescence in situ hybridization. *Journal of Neuroscience Methods*, 139(1), 13-24, July 2004.

Guzowski JF, Knierim JJ, Moser El. Ensemble dynamics of hippocampal regions CA3 and CA1. *Neuron*, 44(4), 581-584, July 2004.

Dickey CA, Gordon MN, Mason JE, Wilson NJ, Diamond D, Guzowski JF, Morgan D. Amyloid suppresses induction and dynamically modulates expression of genes critical for memory consolidation in APP+PS1 transgenic mice. *Journal of Neurochemistry*, 88(2), 434-442, July 2004.

Partridge, L. Donald

Bark C, Bellinger FP, Kaushal A, Mathews JR, Partridge LD, Wilson MC. Developmentally regulated switch in alternatively spliced SNAP-25 isoforms alters facilitation of synaptic transmission. *J Neurosci*, 24, 8794-8805, July 2004.

Perrone-Bizzozero, Nora I.

Tanner D, Githinji A, Young E, Savage DD, Perrone-Bizzozero NI. Fetal alcohol exposure alters GAP-43 phosphorylation and protein kinase C responses to contextual fear conditioning in the hippocampus of adult rat offspring. *Alcoholism: Clinical & Experimental Research*, 28, 113-122, Jan 2004.

Galindo R, Frausto S, Wolff C, Caldwell KK, Perrone-Bizzozero NI, Savage DD. Prenatal ethanol exposure reduces mGluR5 receptor number and function in the dentate gyrus of adult offspring. *Alcoholism: Clin Exp Res*, 28, 1587-1597, July 2004.

Bolognani F, Merhege MA, Twiss JL, Perrone-Bizzozero NI. Dendritic localization of the RNA-binding protein HuD in hippocampal neurons: Association with polysomes and upregulation during contextual learning. *Neurosci Letters*, 371, 152-157, July 2004.

Smith CL, Afroz R, Bassell GJ, Furneaux HM, Perrone-Bizzozero NI, Burry RW. HuD protein and GAP-43 mRNA colocalization in neurites and growth cones following NGF stimulation. *Journal of Neurobiology*, 61, 222-235, July 2004.

Chambers JS, Perrone-Bizzozero NI. Altered myelination of the hippocampal formation in subjects with schizophrenia and bipolar disorder. *Neurochem Res*, 29, 2293-2302, July 2004.

Saland, Linda C.

Saland LC, Abeyta A, Frausto S, Raymond-Stintz M, Hastings CM, Carta M, Valenzuela CF, Savage DD. Chronic ethanol consumption reduces delta-and muopioid receptor-stimulated G-protein coupling in rat brain. *Alcoholism: Clin Exp Res*, 28, 98-104, Jan 2004.

Alverson D, Saiki SM, Jacobs J, Saland L. Distributed interactive virtual environments for collaborative experiental learning and training independent of distance over Internet 2. IOS Press. *Medicine Meets Virtual Reality 12: Building a Better You: Tools for Medical Educ.*, *Diag. and Care*, 7-12, July 2004.

Savage II, Daniel D.

Tanner D, Githinji A, Young E, Savage DD, Perrone-Bizzozero NI. Fetal alcohol exposure alters GAP-43 phosphorylation and protein kinase C responses to contextual fear conditioning in the hippocampus of adult rat offspring. *Alcoholism: Clinical & Experimental Research*, 28, 113-122, Jan 2004.

Saland LC, Abeyta A, Frausto S, Raymond-Stintz M, Hastings CM, Carta M, Valenzuela CF, Savage DD. Chronic ethanol consumption reduces delta-and muopioid receptor-stimulated G-protein coupling in rat brain. *Alcoholism: Clin Exp Res*, 28, 98-104, Jan 2004.

Galindo R, Frausto S, Wolff C, Caldwell KK, Perrone-Bizzozero NI, Savage DD. Prenatal ethanol exposure reduces mGluR5 receptor number and function in the dentate gyrus of adult offspring. *Alcoholism: Clin Exp Res*, 28, 1587-1597, July 2004.

Caldeira JC, Wu Y, Mameli M, Pudy RH, Li PK, Akwa Y, Savage DD, Engen JR, Valenzuela CF. Fetal alcohol exposure alters neurosteroid levels in the developing brain. *J Neurochem*, 90, 1530-1539, July 2004.

Shuttleworth, Claude W.R.

Ozaki H, Kawai T, Shuttleworth CW, Won KJ, Suzuki T, Sato K, Horiguchi H, Hori M, Karaki H, Torihashi S, Ward SM, Sanders KM. Isolation and characterization of resident macrophages from the smooth muscle layers of murine small intestine. *Neurogastroenterology and Motility*, 16, 39-51, June 2004.

Xing H, Azimi-Zonooz A, Shuttleworth CW, Connor JA. Caffeine releasable stores of Ca2+ show depletion prior to the final steps in delayed CA1 neuronal death. *Journal of Neurophysiology*, 92, 2960-2967, July 2004.

Hoskison MM, Connor JA, Shuttleworth CW. GABA B-receptor modulation of short-term synaptic depression at an excitatory input to murine hippocampal CA3 pyramidal neurons. *Neuroscience Letters*, 365, 48-53, July 2004.

Valenzuela, Carlos F.

Bustillo J, Wolff C, Myers y Gutierrez A, Dettmer TS, Cooper TB, Allan A, Lauriello J, Valenzuela CF. Treatment of rats with antipsychotic drugs: Lack of an effect on brain NAA levels. *Schizophrenia Research*, 66, 31-39, Jan 2004.

Saland LC, Abeyta A, Frausto S, Raymond-Stintz M, Hastings CM, Carta M, Valenzuela CF, Savage DD. Chronic ethanol consumption reduces delta-and muopioid receptor-stimulated G-protein coupling in rat brain. *Alcoholism: Clin Exp Res*, 28, 98-104, Jan 2004.

Carta M, Mameli M, Valenzuela CF. Alcohol enhances GABAergic transmission to cerebellar granule cells via an increase in Golgi cell excitability. *J Neuroscience*, 24, 3746-3751, Jan 2004.

Caldeira JC, Wu Y, Mameli M, Pudy RH, Li PK, Akwa Y, Savage DD, Engen JR, Valenzuela CF. Fetal alcohol exposure alters neurosteroid levels in the developing brain. *J Neurochem*, 90, 1530-1539, July 2004.

Wilson, Michael C.

Bark C, Bellinger FP, Kaushal A, Mathews JR, Partridge LD, Wilson MC. Developmentally regulated switch in alternatively spliced SNAP-25 isoforms alters facilitation of synaptic transmission. *J Neurosci*, 24, 8794-8805, July 2004.

Zhao, Xinyu

Zhao X, Schaffer D, Gage FH. Neurogenesis in adult brain: understanding its mechanism and regulation. 2004. Springer-Verlag Berlin Heidelberg. *Stem Cells in the Nervous System: Functional and Clinical Implications*, 1-23, June 2004.

Lein ES, Zhao X, Aston C, Gage FH. Defining a molecular anatomy of the hippocampus using DNA microarrays and high-throughput in situ hybridization. *J Neuroscience*, 24(15), 3879-3889, Jan 2004.

Farmer J, Zhao X, van Praag H, Wodtke K, Gage FH, Christie BR. Voluntary exercise reduces the threshold for the induction of long-term potentiation in the dentate gyrus in vivo. *Neuroscience*, 124(1), 71-79, Jan 2004.

Obstetrics and Gynecology

Cole, Laurence A.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LA, Padilla LA, Key CR. Gestational trophoblastic disease in American Indians. *J Reprod Med*, 49, 535-544, Jan 2004.

Sutton JM, Khanlian SA, Cole LA, Butler SA. hCG Urinary Metabolites in Breast Milk. *Hormone Metab Res*, 36, 75-78, July 2004.

Cole LA, Khanlian SA, Sutton JM, Davies S, Rayburn WF. Accuracy of home pregnancy tests at the time of missed menses. *Am J Obstet Gynecol*, 190, 100-105, July 2004.

Sutton JM, Cole LA. Sialic acid-deficient invasive trophoblast antigen (sd-ITA): A new urinary variant for gestational Down syndrom screening. *Prenat Diagn*, 24, 194-197, Jan 2004.

Cole LA, Khanlian SA. Easy Fix for Clinical Laboratories for the false positive defect with the Abbott AxSym total B-hCG test. *Clin Biochem*, 37, 344-349, Jan 2004.

Cole LA, Sutton JM, Higgins TN, Cembrowski GS. Between-Method Variation in hCG Test Results. *Clin Chem*, 50, 874-882, Jan 2004.

Cole LA, Khanlian SA. Inappropriate Management of Women with Persistent Low hCG Results. *J Reprod Med*, 49, 423-432, Jan 2004.

Butler S, Cole LA. Early embryo production of hCGB and hyperglycosylated hCG. *J Endocrinol*, 181, 1209-1216, Jan 2004.

Cole LA, Khanlian SA. Response to rebuttal by Abbott Laboratories. *Clin Biochem*, 37, 501-502, Jan 2004.

Cole LA, Sutton JM. Selecting an Appropriate hCG Test for Management of Gestational Trophoblastic Disease and Cancer Cases. *J Reprod Med*, 49, 545-553, Jan 2004.

Dai, Donghai

Dai D, Albitar L, Nguyen T, Laidler LL, Singh M, Leslie KK. A therapeutic model for advanced endometrial cancer: Systemic progestin in combination with local adenoviral mediated progesterone receptor expression. *Mol Cancer Ther*, 14, 1, July 2004.

Davies S, Dai D, Feldman I, Pickett G, Leslie KK. Identification of a novel mechanism of NF-kB inactivation by progesterone through progesterone receptors in Hec50co poorly differentiated endometrial cancer cells: Induction of A20 and ABIN-2. *Gynecol Oncol*, 94, 463, July 2004.

Leslie, Kimberly K.

Dai D, Albitar L, Nguyen T, Laidler LL, Singh M, Leslie KK. A therapeutic model for advanced endometrial cancer: systemic progestin in combination with local adenoviral mediated progesterone receptor expression. *Mol Cancer Ther*, 14, 1, July 2004.

Davies S, Dai D, Feldman I, Pickett G, Leslie KK. Identification of a novel mechanism of NF-kB inactivation by progesterone through progesterone receptors in Hec50co poorly differentiated endometrial cancer cells: induction of A20 and ABIN-2. *Gynecol Oncol*, 94, 463, July 2004.

Davies S, Dai D, Feldman I, Pickett G, Leslie KK. Identification of a novel mechanism of NF-kB inactivation by progesterone through progesterone receptors in Hec50co poorly differentiated endometrial cancer cells: induction of A20 and ABIN-2. *Gynecol Oncol*, 94, 463, July 2004.

Leslie, KK. Review of Hormones, Genes, and Cancer. *Gynecol Oncol*, 92, 389-391, July 2004.

Lewis, Cynthia

Lewis C, Kammerer-Doak DN. Vaginal repair of pelvic organ prolapse: advantages and patient selection. *Female Patient*, 29, 32-43, July 2004.

Lewis CM, Rogers RG. Diabetes and Lower Urinary Tract Disorders. *American Urogynecologic Society (AUGS)*, Quarterly Report, July 2004.

Muller, Carolyn Y.

Lea JS, Kurien A, Schorge JO, Coleman RL, Miller DS, Muller CY. Aberrant p16 methylation in squamous cell cervical cancers is a potential biomarker of tobacco induced DNA damage. *Am J Obstet Gynecol*, 190(3), 674-679, July 2004.

Muller, CY. The Miracle of Life and Privilege of Death. *Obstet Gynecol*, 103(6), 1314-1316, July 2004.

Pakakasama S, Chen TT, Frawley W, Muller CY, Douglass EC, Lee R, Pollock BH, Tomlinson GE. CCND1 polymorphism and age of onset of hepatoblastoma. *Oncogene*, July 2004.

Lea JS, Muneer S, Ashfaq R, Burbee DG, Miller DS, Minna JD, Muller CY. Understanding the mechanisms of FHIT inactivation in cervical cancer for biomarker development. *J Soc Gynecol Investig*, 11(5), 329-337, July 2004.

Muller CY, Schorge JO, Tomlinson GE, Ashfaq R. BRCAPap? Feasibility of clinical BRCA testing on liquid-based cervical cytology: Implications for biomarker development. *Cancer Epidemiol Biomarkers Prev*, 13(9), 1534-1537, Sept 2004.

Padilla Paz, Luis A.

Padilla LA, Twiggs LB, Carlson J, Lonky N, Crum CP, Felix J, Hunter V, Krumholz B, Massad LS, Benedet JL. Evidence Supporting the Current Management Guidelines for High-Grade Squamous Intraepithelial Lesion Cytology. *J Lower Genital Tract Disease*, 8(2), 139-146, Jan 2004.

Verschraegen CF, Padilla LA, Smith HO. New Strategies In the Prevention and Treatment of Cervical Cancer. *The Internet Journal of Oncology*, 2(1), Jan 2004.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LA, Padilla LA, Key CR. Gestational trophoblastic disease in American Indians. *J Reprod Med*, 49, 535-544, Jan 2004.

Smith HO, Singleton SS, Qualls CR, Verschraegen CR, Padilla-Paz LA, Key CR. Endometrial Carcinoma Population-Based Incidence and Survival Trends (SEER 1973-1999). *Gynecol Oncol*, 92, 420-421, July 2004.

Phelan, Sharon T.

Holzman GB, Phelan ST. Precis Primary and Preventive Care, 3rd Edition. ACOG, Jan 2004.

Phelan ST, Chiang S. Obstetrics/Gynecology - Clerkship Series, Hayes Press, Jan 2004.

Holzman GB, Phelan ST. *Precis Primary and Preventive Care*, 3rd Edition. American College of Obstetricians and Gynecologists, July 2004.

Goepfert AR, Phelan ST, Cliver SP, Herbert WNP. An Evaluation of Trends in Obstetrics and Gynecology clerkships in the United States and Canada, *AJOG*, 191, 354-358, July 2004.

Rayburn, William F.

Rayburn WF, Gonzales CL, Parker KM, Christensen HD. Chronic prenatal exposure to carbamazepine and behavior effects on mice offspring. *Am J Obstet Gynecol*, 190, 517-521, Jan 2004.

Rayburn B, Theele, Bolnick J, Rayburn W. Selection of a light source for fetal biophysical testing. *J Reprod Med*, 49, 563-565, Jan 2004.

Caridi B, Bolnick J, Fletcher B, Rayburn W. Effect of external light stimulation from a halogen light source on nonstress testing. *Am J Obstet Gynecol*, 190, 1470-1472, Jan 2004.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LA, Padilla LA, Key CR. Gestational trophoblastic disease in American Indians. *J Reprod Med*, 49, 535-544, Jan 2004.

Bogenshultz M, Rayburn W. Substance Use Disorders and Womens Health. *Obstet Gynecol Cl No Am*, 30, No. 3, Jan 2004.

Cole LA, Khanlian SA, Sutton JM, Davies S, Rayburn WF. Accuracy of home pregnancy tests at the time of missed menses. *Am J Obstet Gynecol*, 190. 100-105. July 2004.

Christensen HD, Rayburn WF, Parker KM, Gonzalez CL, Gold KA. Chronic prenatal exposure to carbamazepine and perinatal outcomes of C3H/He mice. *Am J Obstet Gyncol*, 190, 259-264, July 2004.

Bolnick J, Velazquez M, Gonzalez J, Rappaport V, McIlwain-Dunivan G, Rayburn W. Randomized trial between two active labor management protocols in the presence of an unfavorable cervix. *Am J Obstet Gynecol*, 190, 124-128, July 2004.

Zhang J, Troendle J, Meikle S, Klebanoff MA, Rayburn W. Isolated oligohydramnios is not associated with adverse perinatal outcomes. *Br J Obstet Gynaecol*, 111, 220-225, July 2004.

Rayburn WF, Gonzales CL, Parker KM, Christensen HD. Chronic prenatal exposure to carbamazepine and behavior effects on mice offspring. *Am J Obstet Gynecol*, 190, 517-521, July 2004.

Rayburn B, Theele, Bolnick J, Rayburn W. Selection of a light source for fetal biophysical testing. *J Reprod Med*, 49, 563-565, July 2004.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LA, Padilla LA, Key CR. Gestational trophoblastic disease in American Indians. *J Reprod Med*, 49, 535-544, July 2004.

Caridi B, Bolnick J, Fletcher B, Rayburn W. Effect of external light stimulation from a halogen light source on nonstress testing. *Am J Obstet Gynecol*, 190, 1470-1472, July 2004.

Rogers, Rebecca G.

Fenner DE, Rogers RG, DeLancey JOL. Fetal Incontinence. ACOG Update, 29, 1-9, May 2004.

Rogers R, Kammerer-Doak D, Darrow A, Murray K, Olsen A, Barber M, Qualls C. Sexual Function after Surgery for Stress Urinary Incontinence and/or Pelvic organ Prolapse: A Multi-Center Prospective Study. *Am J Obstet Gynecol*, 191, 206-210, July 2004.

Rogers R, Kammerer-Doak D, Olsen A, Thompson PK, Walters M, Lukacz ES, Qualls C. A Randomized Double-Blind Placebo Controlled Comp. of the Effect of Nitrofurantoin Monohydrate Macrocrystals on the Development of UTI Following Surgery for Pelvic Floor Organ Prolapse and/or SUI with Suprapubic Catheterization. *Am J Obstet Gynecol*, 191, 192-197, July 2004.

Rogers R. Sexual Function In Women with Pelvic Floor Disorders. *The Female Patient*, 29(11), 30-38, Nov 2004.

Rogers RG, McCarty T. Sexual Dysfunction. *The Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishing Co., July 2004.

Lewis CM, Rogers RG. Diabetes and Lower Urinary Tract Disorders. *American Urogynecologic Society (AUGS)*, Quarterly Report, July 2004.

Smith, Harriet O.

Verschraegen CF, Padilla LA, Smith HO. New Strategies In the Prevention and Treatment of Cervical Cancer. *The Internet Journal of Oncology*, 2(1), Jan 2004.

Smith HO, Qualls CR, Hilgers RD, Verschraegen CF, Rayburn WF, Cole LA, Padilla LA, Key CR. Gestational trophoblastic disease in American Indians. *J Reprod Med*, 49, 535-544, Jan 2004.

Smith HO, Jaing C, Weiss GR, Hallum III AV, Liu PY, Miller AM, Gandara DR, Markman M, Alberts DS. Tirapazamine Plus Cisplatin in Advanced or Recurrent Squamous or Adenosquamous Carcinoma of the Uterine Cervix: A Phase II study of the Southwest Oncology Group (SWOG). *Gynecol Oncol*, 92, 416, July 2004.

Smith HO, Singleton SS, Qualls CR, Verschraegen CR, Padilla-Paz LA, Key CR. Endometrial Carcinoma Population-Based Incidence and Survival Trends (SEER 1973-1999). *Gynecol Oncol*, 92, 420-421, July 2004.

Velazquez, Maria D.

Bolnick J, Velazquez M, Gonzalez J, Rappaport V, McIlwain-Dunivan G, Rayburn W. Randomized trial between two active labor management protocols in the presence of an unfavorable cervix. *Am J Obstet Gynecol*, 190, 124-128, July 2004.

Waxman, Alan G.

Waxman AG. New cervical cancer screening guidelines: Do they signal the end of the annual Pap test? *J Lower Gen Tract Dis*, 8, 87-90, Jan 2004.

Waxman AG. New Guidelines and Technologies for Pap Test Screening. *American Indian and Alaska Native Primary Care Discussion Forum: Maternal and Child Health.* Jan 2004.

Waxman AG. Pap test every year? Not for every woman. Obg Management, 16(12), 36-56, Dec 2004.

Orthopaedics and Rehabilitation

Bosch, Patrick

Bosch P, C.E.,II, Karol L. Slipped capital femoral eiphysis in patients with down syndrome. *J Pediatric Orthopaedics*, 24, 271-277, June 2004.

Grudziak JS, Bosch P. Orhtopaedic Surgery Essentials: Pediatric. Lippincott Williams & Wilkins, Jan 2004.

Decoster, Thomas A.

DeCoster TA, Crawford MK, Stevens-Kraut MA. Safe extracapsular placement of proximal tibia transfixation pins. *Journal of Orthopaedic Trauma*, 18(8) Supplement, S43-S47, Sept 2004.

DeCoster TA, Gehlert RJ, Mikola EA, Pirela-Cruz MA. Management of post-traumatic segmental bone defects. *Journal of the American Academy of Orthopaedic Surgeons*, 12(1), 28-38, Jan 2004.

DeCoster TA. Letter to the Editor regarding article titled: Hybrid external fixation of the proximal tibia: Strategies to improve frame stability. *Journal of Orthopaedic Trauma*, 18(1), 57, Jan 2004.

Firoozbakhsh, Keikhosrow

Firoozbakhsh K, Moneim M, Yi IS, Umeda Y, Shahinpoor M. Smart Intramedullary Rod for Correction of Pediatric Bone Deformity. *J Clin Orthop Rel Research*, 424, 194-201, Jan 2004.

Rouhi G, Herzog W, Sudak L, Firoozbakhsh K, Epstein M. Free Surface Density and Microdamage in the Bone Remodeling Equation: Theoretical Considerations. *FORMA*, 19(4), Dec 2004.

Gehlert, Rick J.

DeCoster TA, Gehlert RJ, Mikola EA, Pirela-Cruz MA. Management of post-traumatic segmental bone defects. *Journal of the American Academy of Orthopaedic Surgeons*, 12(1), 28-38, Jan 2004.

Mikola, Elizabeth A.

Young SD, Mikola EA. Thumb carpometacarpal arthrosis. *Journal of the American Society for Surgery of the Hand*, 4, 73-93, May 2004.

DeCoster TA, Gehlert R, Mikola EA, Pirela-Cruz MA. Management of post traumatic segmental diaphyseal bone defects. *Journal of the American Academy of Orthopaedic Surgeons*, 12, 28-38, Jan 2004.

Moneim, Moheb S.

Moneim M, Firoozbakhsh K, Yi IS, Umeda Y, Theele D, Shahinpoor M. Smart Intramedullary Rod for Correction of Pediatric Bone Deformity. *Clinical Orthopaedics and Related Research*, 424, 194-201, July 2004.

Schenck, Jr., Robert C.

Coughlin MJ, Schenck RC Jr, Grebing BR, Treme G. Comprehensive Reconstruction of the Lateral Ankle for Chronic Instability Using a Free Gracilis Graft. *Foot and Ankle International*, 25, 231-241, April 2004.

Schenck RC. Classification of Knee Dislocations. *The Multiple Ligament Injured Knee: A Practical Guide to Management.* Springer-Verlag. 37-49, July 2004.

Pathology

Bocklage, Therese J.

Divine KK, Pulling LC, Marron-Terada PG, Liechty KC, Kang T, Schwartz AG, Bocklage TJ, Coons TA, Gilliland FD, Belinsky SA. Multiplicity of abnormal promoter methylation in lung adenocarcinomas from smokers and never smokers. *International J Cancer*, Dec 2004.

Buranda, Tione

Bartsch JW, Waller A, Mammoli AA, Buranda T, Sklar L, Tran HD, Edwards BS. An Investigation of Liquid Carry-over and Sample Residual for the HyperCyt Sample Delivery System. *Analytical Chemistry*, 76(13):3810-7, Jan 2004.

Chigaev A, Zwartz GJ, Buranda T, Edwards BS, Prossnitz ER, Sklar LA. Conformational regulation of the alpha 4beta 1 -integrin affinity by reducing agents—"Inside-out" signaling is independent of and additive to reduction-regulated integrin activation. *Journal of Biological Chemistry*, 30, 32435-32443, May 2004.

Sklar LA, Tsuji H, Edwards BS, Larson RS, Schuyler M. Eosinophil traffic in the circulation following allergen challenge. *Allergy*, 59, 596-605, Jan 2004.

Chen, I-Ming

I-M Chen, Whalen M, Bankhurst A, Sever C, Doshi R, Hardekopf D, Montgomery K, Willman C. A New Human Natural Killer Leukemia Cell Line. IMC-1. A Complex Chromosomal Rearrangement Defined by Spectral Karyotyping: Functional and Cytogenetic Characterization. *Leukemia Research*, 28, 275-284, Jan 2004.

Crookston, Kendall

Rund, C. R., Pourbabak, S., and Crookston, K.P. Three cases of massive fetal-maternal hemorrhage presenting without clinical suspicion. *Archives of Pathology and Laboratory Medicine* 128:463-465, 2004.

Merchant, S.H., Mathew, P., VanderJagt, T.J., Howdieshell, T.R., and Crookston, K.P. Recombinant factor VIIa in management of spontaneous subcapsular liver hematoma associated with pregnancy. *Obstetrics and Gynecology* 103:1055-1058, 2004.

Danielson, Leslie

Hayes ES, Curnow EC, Trounson AO, Danielson LA, Unemori EN. Implantation

and Pregnancy Following in Vitro Fertilization and the Effect of Recombinant Human Relaxin Administration in Macaca facicularis. *Biology of Reproduction*, 10, 1095, March 2004.

Conrad KP, Do Debrah, Novak J, Danielson LA, Shroff S. Effects of Relaxin on Systemic Arterial Hemodynamics and Mechanical Properties in Conscious Rats: Gender Dependency and Dose Response. *Journal of Applied Physiology*, Oct 2004.

Conrad KP, Do Debrah, Novak J, Danielson LA, Schroff S. Relaxin Modifies Systemic Arterial Resistance and Compliance in Conscious, Non-pregnant Rats. *Endocrinology*, 145(7), 3289-3296, July 2004.

Edwards, Bruce S.

Edwards BS, Oprea TI, Prossnitz ER, Sklar LA. Flow cytometry for high throughput, high content screening. *Curr Opin Chem Biol*, Jan 2004.

Sklar LA, Tsuji H, Edwards BS, Larson RS, Schuyler M. Eosinophil traffic in the circulation following allergen challenge. *Allergy*, 59, 596-605, Jan 2004.

Chigaev A, Zwartz GJ, Buranda T, Edwards BS, Prossnitz ER, Sklar LA. Conformational regulation of the alpha 4beta 1 -integrin affinity by reducing agents: "Inside-out" signaling is independent and additive to reduction-regulated integrin activation. *Journal of Biological Chemistry*, May 2004.

Young SM, Curry MS, Ransom JT, Ballesteros JA, Prossnitz ER, Sklar LA, Edwards BS. Screen. High-throughput microfluidic mixing and multiparametric cell sorting for bioactive compound screening. *J Biomol*, 9, 103-111, Jan 2004.

Bartsch JW, Waller A, Mammoli AA, Buranda T, Sklar L, Tran HD, Edwards BS. An Investigation of Liquid Carryover and Sample Residual for the HyperCyt Sample Delivery System. *Analytical Chemistry*, 76, (13):3810-7, Jan 2004.

Fischer, Edgar G.

Rund CR, Galyon SW, Fischer EG. Pathologic Quiz Case: An anterior neck mass in a 5-month-old female infant. *Arch Pathol Lab Med*, 128, 1453-1454, July 2004.

Fischer EG. Glomerular mesangial cell adhesion to fibrinogen is mediated by alph-v beta-3 integrin. *Biochem Cell Biol.*, 82, 597-601, July 2004.

Fischer EG. Non-proliferative fibrocystic changes and the Easter bunny. *Arch Pathol Lab Med*, 128, 1054, July 2004.

Fischer EG, Carney JA, Anderson SR, Klatt EC, Lager DJ. An immunophenotypic comparison of metanephric metaplasia of Bowman capsular epithelium with metaephric adenoma, Wilms tumor, and renal development. A case report and review of the literature. *Am J Clin Pathol*, 121, 850-856, July 2004.

Foucar, M. Kathryn

Montgomery DK, Winter SS, Frost JD, Hardekopf D, Holt K, Graham ML, Foucar K. Myeloid antigen positive acute lymphocytic leukemia with the Philadelphia translocation and a jumping translocation of 1q in a child. *Leukemia*, 18, 1548-1550, Oct 2004.

Foucar K, Matutes E, Catovsky D. T-cell large granular lymphocytic leukemia, T-prolymphocytic leukemia, and aggressive natural killer-cell leukemia/lymphoma. *Non-Hodgkin's Lymphoma*. Lippincott WIlliams & Wilkins, 283-293, June 2004.

Harris, Alexis A.

Chapin J, Harris A. Amyloid myopathy: Characteristic features of a still under diagnosed disease. *Muscle Nerve*, 11:31 (2), 266-272, Oct 2004.

Hjelle, Brian L.

Alam MK, Timlin JA, Martin LE, Williams D, Lyons CL, Garrison K, Hjelle B. Spectroscopic evaluation ofliving murine macrophage cells before and after activation using attenuated total reflectance infrared spectroscopy. *Vibrat Spectroscopy*, 34, 3-11, Jan 2004.

Armien B, Pascale JM, Bayard V, Carlos-Munoz C, Itza-Mosca I, Guerrero G, Armien A, Quiroz E, Castillo Z, Yamizel-Zaldivar Y, Garcia F, Hjelle B, Koster F. High seroprevalence of hantavirus infection on the Azuero Peninsula of Panama. *Am J Trop Med Hyg*, 70, 682-687, June 2004.

Ye C, Prescott J, Nofchissey R, Goade D, Hjelle B. Neutralizing antibodies and Sin Nombre virus RNA after recovery from hantavirus cardiopulmonary syndrome. *Emerg Infect Dis*, 10, 478-82, March 2004.

Hjelle B. Pathogenesis of hantavirus infections. Rose BD, Ed. *UpToDate*, Feb 2004.

Biser JA, Vogel LA, Berger J, Hjelle B, Loew SS. J. An investigation into the effects of heavy metals on immunocompetence of white-footed mice (*Peromyscus leucopus*). *Wildlife Diseases*, 40, 173-184, Jan 2004.

Mertz GJ, Miedzinski L, Goade D, Pavia A, Hjelle B, Hansbarger CO, Levy H, Koster

FT, Lindemulder A, Wang W, Riser L, Fernandez H, Whitley RJ. The Collaborative Antiviral Study Group. Placebo-controlled, bouble-blind trial of intravenous ribavirin for the treatment of hantavirus cardiopulmonary syndrome in North America. *Clin Infect Dis*, 39, 1307-1313, Jan 2004.

Hjelle B. Wellesley MA. Pathogenesis of hantavirus infections. Rose BD, Ed. *UpToDate*, July 2004.

Hjelle B. Hantavirus diagnostic testing. Newletter for TriCore Reference Laboratories, August 2004.

Koster F, Hjelle B. The Hantaviruses. *Infectious Diseases*. Third Edition. WB Saunders Co., 2023-2031, July 2004.

Holbrook, Michael R.

Beasley DWC, Holbrook MR, Travasos da Rosa APA, Coffey L, Carrara AS, Phillippi-Falkenstein K, Bohm Jr. RP, Ratterree MS, Ludwig GV, Estrada-Franco J, Weaver SC, Tesh RB, Shope RE, Barrett ADT. Detection of antibodies to West Nile virus infection in mouse, monkey, and horse sera using a recombinant envelope protein subunit antigen. *J Clinical Microbiology*, 42, 2759-2765, July 2004.

Yu S, Basu R, Holbrook MR, Barrett ADT, Lee JC. Protein stability and structural dynamics in domain III of vector-specific strain envelope protein of the flaviviruses. *Biochemistry*, 43, 9168-9176, July 2004.

Li L, Rollin PE, Nichol ST, Shope RE, Barrett ADT, Holbrook MR. Molecular determinants of antigenicity in two strains of the tick-borne flavivirus Omsk hemorrhagic fever virus. *J Gen Virology*, 85, 1619-1624, July 2004.

Volk DE, Kallick DA, Holbrook MR, Beasley DWC, Barrett ADT, Gorenstein DG. 1H, 13C and 15N resonance assignments for domain III of the West Nile virus envelope protein. *J Biological Chemistry*, 279, 38755-38761, July 2004.

Holbrook MR, Shope RE, Barrett ADT. Development of an ELISA based diagnostic assay for tick-borne encephalities serocomplex flaviviruses. *J Clinical Microbiology*, 42, 4101-4110, July 2004.

Holbrook MR, Aronson JF, Campbell GA, Jones S, Feldmann H, Barrett ADT. An animal model for the tick-borne flavivirus Omsk hemorrhagic fever virus. *J Infectious Diseases*, 191, 100-108, Dec 2004.

Hozier, John C.

Merchant SH, Haines S, Hall B, Hozier J, Viswanatha DS. Fluorescence in situ hybridization identifies cryptic t(16;16) (p13;q22) masked by del (16)(q22) in a case of AML-M4 Eo. *J Mol Diagn*, 6, 271-274, August 2004.

Irvine, Rebecca

Lindsay T, O'Hara J, Irvine R, Kerrigen S. Strychnine overdose following ingestion of gopher bait. *J Anal Toxicol*, 2, 135-137, March 2004.

Pai RK, Irvine R. Pathologic quiz case: Giant medistinal mass in a 69-year-old man. Thymolipoma. *Arch Pathol Lab Med*, 11, 150-160, Nov 2004.

Joste, Nancy E.

Joste NE, Racz MI, Montgomery KD, Haines S, Pitcher JD. Clonal chromosome abnormalities in a plexiform cellular schwannoma. *Cancer Genet Cytogent*, 150, 73-77, July 2004.

Arias-Pulido H, Joste N and Wheeler CM. Loss of heterozygosity on chromosome 6 in HPV-16 positive cervical carcinoma carrying the DRBI*1501-DQB1*0602 haplotype. *Gene Chromosomes Cancer*, 40, 277-284, July 2004.

Kisiel, Walter

Chand HS, Du X, Ma D, Inzunza HD, Kamei S, Foster DC, Brodie SG, Kisiel W. The effect of human tissue factor pathway inhibitor-2 on the growth and metastasis of fibrosarcoma tumors in athymic mice. *Blood*, 103, 1069-1077, Feb 2004.

Neaud V, Gillibert-Duplantier J, Mazzocco C, Kisiel W, Rosenbaum J. Thrombin upregulates tissue factor pathway inhibitor-2 synthesis through a cyclooxygenase-2-dependent mechanism. *J Biol Chem*, 279, 5200-5206, Feb 2004.

Hisaka T, Lardeux B, Lamireau T, Wuestefeld T, Lalor PF, Neaud V, Maurel P, Desmouliere A, Kisiel W, Trautwein C, Rosenbaum J. Expression of tissue factor pathway inhibitor-2 in murine and human liver: Regulation during inflammation. *Thromb Haemostas*, 91, 569-575, March 2004.

Chand HS, Schmidt AE, Bajaj SP, Kisiel W. Structure-function analysis of the reactive site in the first Kunitz-type domain of human tissue factor pathway inhibitor-2. *J Biol Chem*, 279, 17500-17507, April 2004.

Mahrus S, Kisiel W, Craik CS. Granzyme M is a regulatory protease that inactivates proteinase inhibitor 9, an endogenous inhibitor of Granzyme B. *Journal of Biological*

Larson, Richard S.

Churchwell CJ, Rintoul MD, Martin S, Visco DP, Kotu A, Brown DC, Sillerud LO, Larson RS. The Signature Molecule Descripto: Inverse quantitativge structure-activity relationship of ICAM-1 inhibitory peptides. *J Mol Model and Design*, 22, 263-273, Jan 2004.

Zwartz G, Chigaev A, Foutz R, Larson RS, Posner R, Sklar LA. Relationship between Molecular and Cellular Dissociation Rates for VLA-4/VCAM-1 Interaction in the Absence of Shear Stress. *Biophysical Journal*, 86, 1243-1252, Jan 2004.

Sklar L, Tsuji H, Edwards B, Larson RS, Schuyler M. Eosinophil traffic in the circulation following allergen challenge. *Eur J Allergy Clin Immunol*, 59, 596-605, Jan 2004.

Sillerud, L, Burks, E, Brown, MW, Wester, MJ, Brown DC, Larson, RS. NMR Solution Structure of a Potent Peptide Inhibitor of Integrin-based Cell Adhesion Produced by Homologous Amino Acid Substitution, *J Pept Res*, 64:1-14, 2004.

Lathrop, Sarah

Shah N, Lathrop S, Landen M. Unintentional methadone-related overdose death in New Mexico (USA) and implications for surveillance, 1998-2002. *Addiction*, August 2004.

Wolz M, Pai R, Lathrop S, Joste N. Histologic predictors of subsequent correlation in noncorrelating dysplastic Pap smears and cervical biopsies. *Diagnostic Cytopathology*, July 2004.

Croft P, Fedderson R, Lathrop S, Joste N. Estrogen receptor expression in papillary urothelial carcinoma of the bladder. *Archives of Pathology and Laboratory Medicine*, Oct 2004.

Lipscomb, Mary F.

Lyons CR, Lovchik JH, Lipscomb MF. Murine Model of Pulmonary Anthrax: Kinetics of Dissemination, Histopathology and Mouse Strain Susceptibility. *Infection & Immunity*, 72, 4801-4809, August 2004.

Masten BJ, Olson GK, Kusewitt DF, Lipscomb MF. Flt3 Ligand Preferentially Increases the Number of Functionally Active Myeloid Dendritic Cells in the Lungs of Mice. Journal of Immunology, 172, 4077-4083, April 2004.

Masten, Barbara J.

Masten BJ. Sem. Respir. Initiation of Lung Immunity: The Afferent Limb and the Role of Dendritic Cells. *Critical Care Medicine*, 25(1), 11-20, July 2004.

Masten BJ, Olson GK, Kusewitt DF, Lipscomb MF. Flt3 Ligand Preferentially Increases the Number of Functionally Active Myeloid Dendritic Cells in the Lungs of Mice. *Journal of Immunology*, 172, 4077-4083, April 2004.

Nolte, Kurt B.

Wolfe, MI, Nolte KB, Yoon, SS. Utility of a Computerized Text Search Tool for Infectious Disease Mortality Surveillance: Development and Implementation in a Medical Examiner Database. *Emerging Infectious Diseases*, 10, 48-53, Oct 2004.

Nolte, KB. Research Issues in Forensic Pathology: A Survey of Academic Institutions Employing Forensic Pathologists. *Hem Pathol*, 35, 532-535, May 2004.

Nolte, KB. Medical Examiners, Coroners, and Biologic Terrorism: A Guidebook for Surveillance and Case Management. *Morbidity and Mortality Weekly Report*, 53, 1-36, July 2004.

Reichard, Ross

Purdy PD, White CL, Baer DL, Frawley WH, Reichard RR, Pride GL Jr, Adams C, Miller S, Hladik CL, Yetkin Z. Percutaneous Translumbar Spinal Cord Compression Injury in Dogs from an Angioplasty Balloon: MR and Histopathologic Changes with Balloon Sizes and Compression Times. *Am J Neuroradiol*, 25, 1435-1442, Sept 2004.

Graham DI, Smith C, Reichard R, Leclercq PD, Gentleman SM. Trials and tribulations of using Beta-amyloid precursor protein immunohistochemistry to evaluate traumatic brain injury in adults. *International Journal of Forensic Sciences*, 146 (Issue 2), 89-96, Dec 2004.

Scariano, John K.

Scariano JK, Simplicio SG, Montoya GD, Garry PJ, Baumgartner RN. Estrogen Receptor Beta Dinucleotide (CA) Repeat Polymorphism is Significantly Associated with Bone Mineral Density in Postmenopausal Women. *Calcified Tissue International*, 74, 501-508, Feb 2004.

Sklar, Larry A.

Edwards BS, Oprea TI, Prossnitz ER, Sklar LA. Flow cytometry for high throughput, high content screening. *Curr Opin Chem Biol*, Jan 2004.

Bartsch JW, Waller A, Mammoli AA, Buranda T, Sklar L, Tran HD, Edwards BS. An Investigation of Liquid Carry-over and Sample Residual for the HyperCyt Sample Delivery System. *Analytical Chemistry*, 76(13):3810-7, Jan 2004.

Sklar LA, Tsuji H, Edwards BS, Larson RS, Schuyler M. Eosinophil traffic in the circulation following allergen challenge. *Allergy*, 59, 596-605, Jan 2004.

Young SM, Curry MS, Ransom JT, Ballesteros JA, Prossnitz ER, Sklar LA, Edwards BS. High-throughput microfluidic mixing and multiparametric cell sorting for bioactive compound screening. *J Biomol Screen*, 9, 103-111, Jan 2004.

Zwartz GJ, Chigaev A, Dwyer D, Foutz TD, Edwards BS, Sklar LA. Real-time analysis of VLA-4 affinity modulation by shear. *J Biol Chem*, Jan 2004.

Viswanatha, David S.

Merchant SH, Haines S, Hall B, Hozier J, Viswanatha DS. Fluorescence in-situ hybridization identifies cryptic t (16;16)(p13;q22) masked by del (q22) in a case of AML-M4Eo. *J Mol Diagn*, 66, 271-274, Jan 2004.

Chen I-M, Chakerian A, Combs D, Garner K, Viswanatha DS. Post PCR multiplex fluorescent ligation detection assay and flow cytometry for rapid detection of genespecific translocations in leukemia. *Am J Clinl Pathol*, 122, 783-793, July 2004.

Merchant SH, Haines S, Hall B, Hozier J, Viswanatha DS. Fluoroscence in-situ hybridizatin identifies cryptic t(16;16)(p13;q22) masked by del(q22) in a case of AML-M4Eo. *J Mol Diagn*, 6, 271-274, August 2004.

Wilson, Bridget S.

Wilson BS, Steinberg SL, Liederman K, Pfeiffer JR, Surviladze Z, Zhang J, Kotula PG, Oliver JM. (2004.) Distinct distribution and behavior of raft markers in native membranes. *Mol. Biol. of the Cell.* 15: 2580-2592

Hernandez-Hansen V, Smith AJ, Chigaev A, Surviladze Z, Mazel T, Kalesnikoff J, Lowell CA, Krystal G, Sklar LA, Wilson BS, Oliver JM. (2004.) Dysregulated FceRI signaling and altered Fyn and SHIP activities in Lyn-deficient mast cells. *J. Immunology.* 173: 100-112.

Valna P, Ledbduska P, Draberova L, Henegerg P, Boubelik M, V, Malissen M, Wilson BS, Horejsi V, Malissen B, Draber P. (2004.) Negative regulatory role of the non-T cell activation linker in mast cell signaling. *J. Exp. Medicine*. 200:1001-1013.

Wilson, Carla S.

Lin P, Ownens R, Tricot G, Wilson CS. Flow cytometric immunophenotypic analysis of 306 cases of multiple myeloma. *Am J Clin Path*, 121, 482-488, April 2004.

Wilson CS. *The plasma cell dyscrasias, in Hematopathology in Oncology*. Kluwer Academic Publishers. 113-144, Jan 2004.

Wilson CS. Multiple Myeloma. QA 5183. ASCP CheckPath, Oct 2004.

Zumwalt, Ross E.

Smith ME, Zumwalt RE. Occupational Deaths Due to Penetrating Chest Injuries From Sledgehammer Fragments: Two Case Reports and Review of the Literature. *American Journal of Forensic Medicine and Pathology*, 25, 71-73, Jan 2004.

Horn KD, Halsey JF, Zumwalt RE. Utilization of Serum Tryptase and Immunoglobulin E Assay in the Postmortem Diagnosis of Anaphylaxis. *American Journal of Forensic Medicine and Pathology*, 25, 37-43, Jan 2004.

Yazzie J, Kelly SC, Zumwalt RE, Kerrigan S. Fatal Bupivacaine Intoxication Following Unusual Erotic Practices. *Journal of Forensic Sciences*, 49, 351-353, Feb 2004.

Pediatrics

Anaya, Theresa M.

Stevenson DA, Anaya TM, Clayton-Smith J, Hall BD, Van Allen MI, Zori RT, Zackai EH, Frank G, Clericuzio CL. Unexpected death and critical illness in Prader-Willi Syndrome: Report of ten individuals. *American Journal of Medical Genetics*, 124A, 158-164, Jan 2004.

Annett, Robert D.

Annett RD. Asthma. *Handbook of Pediatric Psychology in School Settings*. Lawrence Erlbaum Associates, Inc., Jan 2004.

Annett RD, Brody JL, Scherer DG, Perkett EA. Perceived risk associated with asthma research procedures among children, parents, and pediatricians. *Journal of Asthma and Clinical Immunology*, 114(5), 1138-1145, July 2004.

Bender BG, Annett RD, Strunk RC. Retrospective and prospective documentation of sleep loss and relationship to disease severity and psychological functioning in children with asthma. *Journal of Asthma and Clinical Immunology*, 114(4), 985-988, July 2004.

Annett RD, Heideman RD. Cerebellar mutism following surgcal resection for pediatric medulloblastoma: A marker diaschisis and neuropsychological compromise. *Archives of Clinical Neuropsychology*, 19, 982, July 2004.

Bashir, Naim S.

Bashir NS. Sleep Medicine Pearls. Chest, 125, 357, Jan 2004.

Burtner-Freeman, Patricia A.

Westcott S, Burtner PA. Motor Control of balance in children: Implications for pediatric practice. *Physical and Occupational Therapy in Pediatrics*, 23, Jan 2004.

Westcott S, Burtner PA. Motor Control of balance in children: Implications for pediatric practice. *Movement Sciences: Transfer of Knowledge to Pediatric Therapy Practice*. Haworth Press. Jan 2004.

Crowe, Terry K.

Crowe TK, Picchaiarini MR, Proffenroth T. Community participation: Challenges for people with disabilities living in Oaxaca, Mexico and New Mexico, United States. OTJR: Occupation, Participation and Health, 24, 72-80, Jan 2004.

McGuire B, Crowe TK, Law M, VanLeit B. Mothers of children with disabilities: Occupational concerns and solutions. *OTJR: Occupation, Participation and Health*, 24, 54-63, Jan 2004.

McNulty, T.M., Crowe, T.K., and VanLeit, B. (2004). Promoting professional reflection through problem-based learning evaluation Activities. *Occupational Therapy in Healthcare: Special Topic: Best Practices in Occupational Therapy Education*, 18, 71-82.

Crowe, T.K., More Adventures in Oaxaca Studying Traditional Medicine: Part II, *Advance*, Oct. 18, 2004.

Crowe, T.K., Learning Mexican Medicine: Part I, Advance, Sept. 6, 2004.

Crowe, T.K., Occupational Therapy Down Under, *Advance*, July 26, 2004.

Crowe, T.K., Living Well in the United States, International Perspective, *Advance*, June 14, 2004.

Crowe, T.K., Meet the WFOT Delegates, International Perspective, *Advance*, May 3, 2004.

Crowe, T.K., Learn to Read with a World View, International Perspective, *Advance*, Feb. 23, 2004.

Cunningham-Sabo, Leslie

Weber JL, Lytle L, Gittelsohn J, Cunningham-Sabo L, Heller K, Anliker JA, Stevens J, Hurley J, Ring K. Validity of self-reported dietary intake at school meals by American Indian children: The Pathways Study. *Journal of the American Dietetic Association*, 104, 746-752, June 2004.

Greger, Nancy

Frey MA, Ellis D, Naar-King S, Greger N. Diabetes management in adolescents in poor metabolic control. *The Diabetes Educator*, 30, 1-21, July 2004.

Hsi, Andrew C.

Poland RL, Hartenberger C, McHenry H, Hsi A. Comparison of skin sites for estimating serum total bilirubin in in-patients and out-patients: Chest is superior to brow. *Journal of Perinatology*, 1-3, Sept 2004.

Lopez, Suzanne M.

Ramanathan R, Rasmussen MR, Gerstmann DR, Finer N, Sekar K, Lopez S, and the North American Study Group. A randomized multicenter masked comparison trial of Poractant Alfa (Curosurf) versus Beractant (Survanta) in the treatment of respiratory distress syndrome in Preterm Infants. *Am J of Perinat*, 21, 109-119, Jan 2004.

Overturf, Gary D.

Shahinpoor P, Wood MS, Overturf G, Mootha VV. A small angle with a peculiar finding. Ocular HSV Infection. *American Academy of Ophthalmology Eye Net*, 6, 39-40, Jan 2004.

Overturf GD. How to control and prevent infectious diseases. *HealthWise: A Bulletin for School and Community Health*, Vol. IV, No. 1, April 2004.

Overturf, GD. Immunizations in New Mexico. *HealthWise: A Bulletin for School and Community Health*, Vol. IV, No. 1, April 2004.

Overturf, GD. Pediculosis capitius or head lice. *HealthWise: A Bulletin for School and Community Health*, Vol. IV, No. 1, April 2004.

Perkett, Elizabeth

Perkett EA. Mechanisms and Limits of Induced Postnatal Lung Growth. American Thoracic Society Workshop. *Am J Respir Crit Care Med*, 170, 319-343, July 2004.

Annett RD, Brody JL, Scherer DG, Perkett EA. Perception of risk associated with asthma research procedures among adolescents, parents, and pediatricians. *J Allergy Clin Immonol*, 114, 1138-1145, July 2004.

Poole, Janet L.

Poole JL, Brower LM. Validity of the Scleroderma Functional Assessment Questionnaire. *Journal of Rheumatology*, 31, 402-403, Jan 2004.

Poole JL, Watzlaf VJM, D'Amico F. A five-year followup of hand function and activities of daily living in persons with systemic sclerosis (Scleroderma). *J Hand Ther*, 17, 407-411, Oct 2004

Brower LM, Poole L. Reliability and validity of the Duruöz Hand Index in persons with systemic sclerosis. *Arthritis Care & Res*, 51, 805-809, Oct 2004

Poole JL, Schukar-Cordova J. Dressing routines in women with chronic disease: A pilot study. *N Z J Occuo Thery*, 51, 30-35, Mar 2004

Quintero, Gilbert

Nichter M, Quintero G, Nichter M, Mock J, Shakib S. Qualitative Research: Contributions to the Study of Drug Use, Drug Abuse, and Drug Use(r)-Related Interventions. *Substance Use and Misuse*, 39, 1907-1969, July 2004.

Strasburger, Victor C.

Strasburger VC. Children, adolescents, and the media. Curr Prob in Pediatr & Adolesc Health Care, 34 (2), 54-113, Jan 2004.

Psychiatry

Adelsheim, Steven N.

Adelsheim SN. Welcome to Mind Matters. Albuquerque Tribune, Nov 2004.

Anthony, Tracy

McKay G, Maybell S. Calming the Family Storm: Anger Management for Moms, Dads, and All the Kids, 306, Oct 2004.

Apfeldorf, William

Alexopoulos GS, Apfeldorf W. Unipolar Depression. Late-Life Depression. Oxford University Press. 21-33, July 2004.

Bereiter, Jeanne

Bereiter J. Mind Matters: Kids need a firm diet, less TV. Albuquerque Tribune, Dec 2004.

Bogenschutz, Michael

Geppart CMA, Bogenshutz M. Women with Addiction Disorders: Ethical Issues, Jan 2004.

Bogenschutz M, Roberts LW, Dyer AR. Caring for People with Addictions. *Ethics in Mental Health Care*. American Psychiatric Publishing Inc., 137-151, Jan 2004.

Bogenschutz MP, Nurnberg HG. Olanzapine versus Placebo in the Treatment of Borderline Personality Disorder. *Journal of Clinical Psychiatry*, 65(1), 104-109, Jan 2004.

Rayburn WF, Bogenschutz MP. Pharmacotherapy for pregnant women with addictions. *American Journal of Obstetrics and Gynecology*, 191(6), 1885-1897, July 2004.

Geppert CMA, Bogenschutz MP. Women with Addiction Disorders: Ethical Issues. *The Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishing, July 2004.

Bogenschutz M, Roberts LW, Dyer AR. Caring for People with Addictions. *Ethics in Mental Health Care*. American Psychiatric Publishing, Inc., 137-151, July 2004.

Bogenschutz MP, Nurnberg HG. Olanzapine versus Placebo in the Treatment of Borderline Personality Disorder. *Journal of Clinical Psychiatry*, 65(1), 104-109, July 2004.

Geppert CMA, Bogenschutz M. Women with Addiction Disorders: Ethical Issues. *The Encylopedia of Women's Health*. Kluwer Academic/Plenum Publishing, June 2004.

Bustillo, Juan R.

Lauriello J, Bustillo J, Shingler K. The first interview of a patient with psychosis: Symptoms, safety and stabilization. *Focus*, 11, 7-12, Dec 2004.

Bustillo J, Wolff C, Myers y Gutierrez A, Dettmer T, Cooper T, Allan A, Lauriello J, Valenzuela CF. Treatment of rats with antipsychotic drugs: Lack of an effect on N acetyl-aspartate levels. *Schizophrenia Research*, 66, 31-39, July 2004.

Canive, Jose M.

Huang HM, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weisend MP, Paulson KM, Hanlon F, Miller GA, Martin K, Canive JM. Commonalities and differences among vectorized beamformers in electromagnetic source imaging. *Brain Topogr*, 16:3, 139-158, Jan 2004.

Canive JM, Hanlon FM, Thoma RJ, Moses SN, Weisend MP, Huang M, Irwin J, Paulson K, Martin K, Edgar JC, Bustillo J, Miller GA. P50 sensory gating in schizophrenia patients treated with conventional and novel antipsychotics. *Int J Neuropsychopharmacol*, 7:S1, S223, June 2004.

Canive JM, Calais LA, Pickard J, Thoma RJ, Villarreal G. Efficacy of Aripiprazole monotherapy in the treatment of Posttraumatic Stress Disorder. *Int J Neuropsychopharmacol*, 7:S2, S225, June 2004.

Huang MX, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weisend MP, Hanlon F, Paulson KM, Li T, Martin K, Miller GA, Canive JM. Commonalities and differences among vectorized beamformers in electromagnetic source imaging. *Brain Topogr*, 16:3, 139-158, July 2004.

Clayton, Paula J.

Clayton P. Ask the Doctors in Outreach. *The Newsletter of the Depression and Bipolar Support Alliance*, Dec 2004.

Clayton P. Bereavement and Depression. *Late Life Depression*. Oxford University Press, July 2004.

Clayton P, Hensley P. Bereavement. *The Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishing Co., July 2004.

Clayton P. Ask the Psychiatrist. Women's Day Magazine, July 2004.

Escalona, Patricio Rodrigo

Escalona R, Anchilles G, Waitzkin H, Yager J. PTSD and Somatization in a Women's Health Primary Care Sample. *Psychosomatics*, 45:4, 291-296, July 2004.

Lu BY, Woofter C, Escalona R. A case of Prolonged Peyote-Induced Psychosis Resolved by Sleep. *Journal of Clincal Psychiatry*, 65:10, 1433-1434, July 2004.

Fraser, Kathryn

Fraser K. A troubled patient's secret life. Current Psychiatry, 3:8, August 2004.

Geppert, Cynthia

Roberts LW, Green-Hammond KA, Geppert CM, Warner TD. The positive rolde of professionalism and ethics training in medical education: a comparison of medical student and resident perspectives. *Academic Psychiatry*, 28, 170-182, July 2004.

Geppert CM, Bogenschutz M. Women with Addictive Disorders: Ethical Issues. *The Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishing, July 2004.

Haaland, Kathleen Y.

Hopkins RO, Haaland KY. Neuropsychological and neuropathological effects of anoxic or ischemic induced brain injury. *Journal of the International Neuropsychological Society*, 7, 957-961, July 2004.

Haaland KY, Elsinger C, Mayer A, Durgerian S, Rao S. Motor sequence complexity and performing hand produce differential patterns of hemispheric lateralization. *Journal of Cognitive Neuroscience*, 16, 621-636, Jan 2004.

Price L, Said K, Haaland KY. Age-associated memory impairment of Logical Memory and Visual Reproduction. *Journal of Clinical and Experimental Neuropsychology*, 26, 531-538, Jan 2004.

Haaland KY, Prestopnik J, Lee RR, Adair J. Hemispheric asymmetries for kinematic and positional aspects of reaching. *Brain*, 127, 1145-1158, Jan 2004.

Hanlon, Faith M.

Huang MX, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weisend MP, Hanlon FM, Paulson KM, Li T, Martin K, Miller GA, Canive JM. Commonalities and differences among vectorized beamformers in electromagnetic source imaging. *Brain Topography*, 16, 139-158, Oct 2004.

Hensley, Paula L.

Hensley PL, Nadiga D, Uhlenhuth EH. Long-Term Effectiveness of Cognitive Therapy in Major Depressive Disorder. *Depression and Anxiety*, 20, 1-7, August 2004.

Hensley PL, Clayton PJ. Bereavement. *Encyclopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 101-103, May 2004.

Hensley PL. Oophorectomy. *Encyclopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 466-467, May 2004.

Hensley PL. Turner Syndrome. *Encyclopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 658-660, May 2004.

Hensley PL. Tay-sachs Disease. *Encyclopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 640-641, May 2004.

Hensley PL. Marie Curie. *Encylopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 204-205, May 2004.

Hensley PL. Physical Therapy. *Encyclopedia of Women's Health*, First Edition. Kluwer Academic/Plenum Publishing Company, 510-511, May 2004. Hensley PL, Nurnberg HG, Slonimski CK. SSRIs and Sexual Dysfunction. *The Female Patient: OB/GYN Edition*, 29(6), 16-29, June 2004.

Hensley PL, Nurnberg HG, Slonimski CK. SSRIs and Sexual Dysfunction. *The Female Patient: Primary Care Edition*, 29(5), 14-22, May 2004.

Hensley PL, Slonimski CK. Primary Sexual Disorders: Recognition and Treatment. *Mental Fitness*, 3(4), 14-21, April 2004.

Hill, Dina E.

Gabriels RL, Cuccaro ML, Hill DE, Ivers B, Goldson E. Repetitive behaviors in autism: Relationships with associated clinical features. *Research in Developmental Disabilities*, 26, 169-181, July 2004.

Walker DD, Venner K, Hill DE, Myers RJ, Miller WR. A comparison of alcohol and drug disorders: Is there evidence for a natural progression of drug abuse? *Addictive Behaviors*, 29, 817-823, July 2004.

Hill DE, Ciesielski KT, Hart B, Jung R. Neuropsychological and neuroanatomical correlates of long-term memory in survivors of childhood leukemia. *Pediatric Blood Cancer*, 42, 611-617, July 2004.

Hough, Richard

Yeh M, McCabe K, Lambros K, Hough R, Landsverk J, Hurlburt M, Culver S. Racial/ethnic representation across five public sectors of care for youth with emotional and behavioral problems. *Handbook of Emotional and Behavioral Difficulties in Education*. Paul Chapman Publishing, July 2004.

Aarons GA, Garland AF, Brown SA, Hough RL. Racial/ethnic disparity and correlates of substance abuse service utilization and juvenile justice involvement among adolescents with substance use disorders. *Journal of Ethnicity in Substance Abuse*, 3, 47-64, July 2004.

Hazen AL, Hough RL, Landsverk JA, Wood P. Mental health service utilization by youths in public sectors of care. *Mental Health Services Research*, 6, 213-226, July 2004.

Yeh M, Hough RL, Garland A, McCabe K, Lau A. Parental beliefs about the causes of child problems: Exploring racial/ethnic patterns. *Journal of the American Academy of Child and Adolescent Psychiatry*, 43, 605-612, Jan 2004.

Lau AS, Garland AF, Yeh M, McCabe KM, Wood PA, Hough RL. Race/ethnicity and inter-informant agreement in assessing adolescent psychopathology. *Journal of Emotional and Behavioral Disorders*, 12, 145-156, Jan 2004.

McCabe KA, Rodgers C, Yeh M, Hough R. Gender differences in childhood onset conduct disorder. *Development and Psychopathology*, 16, 1-14, Jan 2004.

Keith, Samuel J.

Masand P, Keith S, Potkin S. Oral or Long-Acting Injectable: Patient Selection for Long-Term Treatment Succes. *PsychCME Reports*, 1-11, June 2004.

Keith S, Pani L, Nick B, Emsley R, San L, Turner M, Conley R, Scully P, Chue P, Lachaux B. Practical Application of Pharmacotherapy with Long-Acting Risperidone for Patients with Schizophrenia. *Psychiatric Services*, 55:9, 997-1005, Jan 2004.

Keith S. Ten Days Matter (Editorial). Psychiatric Services, 55:8, 857, Jan 2004.

Lauriello, John

Lenroot R, Lauriello J. The Nosology of Psychotic Disorders. *Atypical Antipsychotics From Bench to Bedside*. Marcel Dekker, Jan 2004.

Lauriello J, McEvoy JP, Rodriquez S, Bossie CA, Lasser R. Long-Acting Risperidone vs. Placebo in the Treatment of Hospital Inpatients with Schizophrenia. *Schizophrenia Research*, 72:2-3, 249-258, Nov 2004.

Bustillo J, Wolff C, Myers-y-Gutierrez A, Tood S, Dettmer TS, Cooper TB, Allan A, Lauriello J, Valenzuela F. Treatment of Rats with Antipsychotic Drugs: Lack of an Effect on Brain N-acetyl aspartate Level Schizophrenia Research. *Schizophrenia Research*, 66:1, 31-39, Jan 2004.

Lauriello J, Bustillo J, Shingler K. The First Interview of a Patient with Psychosis: Symptoms, Safety and Stabilization. *Focus*, 11, 7-12, Dec 2004.

McCarty, Teresita Ann

Rogers RG, McCarty T. Sexual Dysfunction. *Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishing Co., 584-588, July 2004.

Mullen, David James

Hendren RL, Mullen D. Conduct and Oppositional Defiant Disorders. Third Edition. APPI. *Textbook of Child and Adolescent Psychiatry*, 509-527, July 2004.

Nurnberg, H. George

Bogenschutz MP, Nurnberg HG. Olanzapine versus placebo in the treatment of borderline personality disorder. *Journal of Clinical Psychiatry*, 65:1, July 2004.

Nurnberg HG, Duttagupta S. Economic analysis of Sildenafil Citrate (Viagra) add-on to treat erectile dysfunction associated with selective serotonin reuptake inhibitor use. *American Journal of Therapeutics*, 11:1, 9-12, July 2004.

Nurnberg HG, Steinberg SI, Siegel RL. Endocrine status of responders and nonresponders to Sildenafil Citrate therapy for antidepressant-associated female dysfunction. *Obstetrics and Gynecology*, 102:4, 136, July 2004.

Nurnberg HG, Steinberg SI, Siegel RL. Endocrine status of responders and nonresponders to Sildenafil Citrate therapy for antidepressant-associated female dysfunction. *The Journal of Urology*, 171:4, 317, July 2004.

Hensley PL, Nurnberg HG, Slonimski C. Selective serotonin reuptake inhibitors and sexual dysfunction in women. *The Female Patient*, 29, 14-22, July 2004.

Kranzler HR, Wesson DR, Billot L, Nurnberg HG. Naltrexone depot for treatment of alcohol dependence: A multicenter, randomized, placebo-controlled clinical trial. *Alcoholism: Clinical and Experimental Research*, 28:7, 1051-1059, July 2004.

Nurnberg HG, Hensley PL, Slonimski C, Paine S. Endocrine status of responders and nonresponders to Sildenafil Citrate therapy for antidepressant-associated female dysfunction. *The Journal of ISSWSH*, 8, 317, July 2004.

Nurnberg HG, Segraves T, Levine S, Frey N, Natanegara F, Wong D, Abuja S. Tadalafil is efficacious for treatment of erectile dysfunction in a population of patients with comorbid depression. *Journal of Sexual Medicine*, 2:1, 45, July 2004.

Ortiz, Irene E.

Romero LJ, Garry P, Schuyler M, Bennahum D, Quails C, Ballinger K, Skipper B, Ortiz IE, Rhyne R. Emotional responses to APOE genotype discloure for Alzheimer Disease. *Journal of Genetic Counseling*, Dec 2004.

Romero LJ, Ortiz IE, Finley R, Wayne S, Linderman RD. Lower education and income level explain higher prevalence of depressive symptoms in Hispanic elderly. *Ethnicity and Disease*, June 2004.

Posse, Stefan

Phan KL, Fitzgerald D, Gao K, Moore GJ, Tancer ME, Posse S. Real-time fMRI of cortico-limbic brain activity during emotional processing. *Neuroreport*, 15:3, 527-532, July 2004.

Fitzgerald DA, Posse S, Moore GJ, Tancer ME, Nathan PJ, Phan KL. Neural correlates of internally-generated disgust via autobiographical recall: A functional magnetic resonance imaging investigation. *Neuroscience Letter*, 370:2-3, 91-96, Nov 2004.

Thoma, Robert J.

Canive JM, Thoma RJ, Huang M. Neurofisiologia: Electroencefalografia y Magnetoencefalografia en el Estudio de Trastornos Psiquiatricos. Tratado de Psiquiatria, Stm Editores. Jan 2004.

Huang MX, Shih JJ, Lee RR, Harrington DL, Thoma RJ, Weisend MP, Hanlon F, Paulson KM, Li T, Martin K, Miller GA, Canive JM. Commonalities and Differences among vectorized beamformers in electromagnetic source imaging. *Brain Topography*, 16:3, 139-158, July 2004.

Canive JM, Hanlon FM, Thoma RJ, Moses SN, Weisend MP, Huang M, Irwin J, Paulson K, Martin K, Edgar JC, Bustillo J, Miller GA. P50 sensory gating in schizophrenia patients treated with conventional and novel antipsychotics. *International Journal of Neuropsychopharmacology*, 7:S1, S223, July 2004.

Canive JM, Calais LA, Pickard J, Thoma RJ, Villarreal G. Efficacy of Aripiprazole monotherapy in the treatment of Postraumatic Stress Disorder. *International Journal of Neuropsychopharmacology*, 7:S2, S225, July 2004.

Villarreal, Gerardo

Villarreal G. Hippocampus Findings in PTSD and Depression. *Directions in Psychiatry*, 24, 293-299, July 2004.

Villarreal G, King C. Neuroimaging Studies Reveal Brain Changes in PTSD. *Psychiatric Annals*, 24, 845-856, July 2004.

Villarreal G, Hamilton D, Graham DP, Driscoll I, Qualls Q, Petropoulos H, Brooks WM. Reduced Area of the Corpus Callosum in PTSD. *Psychiatry Research: Neuroimaging*, 131, 227-235, July 2004.

Villarreal G. A 42 Year Old Man with Symptoms of PTSD and Major Depression. *Psychiatric Annals*, 34, 424-428, July 2004.

Wang, Dora-Linda L.

Wang DL. Asian and Pacific Islander Women. *Encyclopedia of Women's Health*. Kluwer Academic/Plenum Publishers, 93-95, July 2004.

Yager, Joel

Yager J, Saunders WB. Conn's Current Therapy. *Bulimia Nervosa*, 1155-1158, Jan 2004.

Duran B, Halinka Malcoe L, Sanders M, Waitzkin H, Skipper B, Yager J. Child Maltreatment Prevalence and Mental Disorders Outcomes Among American Indian Women in Primary Care. *Child Abuse and Neglect*, 28, 131-145, Jan 2004.

Duran BM, Sanders M, Skipper B, Waitzkin H, Malcoe LH, Paine S, Yager J. Prevalence and Correlates of Mental Disorders Among American Indian Women in Primary Care. *American Journal of Public Health*, 94, 71-77, Jan 2004.

Ursano RJ, Bell C, Eth S, Friedman M, Norwood A, Pfefferbaum B, Pynoos JD, Zatzick DF, Benedek DM, McIntyre JS, Charles SC, Altshuler K, Cook I, Cross CD, Mellman L, Moench LA, Norquist G, Twemlow SW, Woods S, Yager J. Practice guidelines for the treatment of patients with acute stress disorder and posttraumatic stress disorder. *Am J Psychiatry*, 161:11, 3-31, Nov 2004.

Escalona R, Achilles G, Waitzkin H, Yager J. PTSD and somatization in women treated at a VA primary care clinic. *Psychosomatics*, 45:4, 291-296, July 2004.

Yager J. Compassion's Way: A Doctor's Quest Into the Soul of Medicine. *Am J Psychiatry*, 161, 1137, June 2004.

Yager J, Greden J, Abrams M, Riba M. The Institute of Medicine's Report on Research Training in Psychiatry: Strategies for Reform-Background, Results and Follow-up. *Academic Psychiatry*, 28, 267-274, July 2004.

Yager J. Major Issues in Psychiatric Education. *Handbook of Psychiatric Education*. American Psychiatric Publishing Inc., July 2004.

Yager J, Hilty DH. How to Create A Positive Early Career Environment. Early Career Environments in Psychiatry. American Psychiatric Publishing, July 2004.

Radiology

Aine, Cheryl J.

Huang M, Davis LE, Aine C, Weisend M, Harrington D, Christner R, Stephen J, Edgar JC, Herman M, Meyer J, Paulson K, Martin K, Lee RR. MEG response to median nerve stimulation correlates with recovery of sensory and motor function after stroke. *Clinical Neurophysiology*, 115(4), 820-833, April 2004.

Huang M, Davis LE, Aine C, Weisend M, Harrington D, Christner R, Stephen J, Edgar C, Herman M, Meyer J, Paulson K, Martin K, Lee RR. MEG responses to Median Nerve Stimulation Correlates with Recovery of Sensorimotor Function after Stroke. *Journal of Clinical Neurophysiology*, 115, 820-823, Sept 2004.

Eberhardt, Steven C.

Wang L, Mullerad M, Chen HN, Eberhardt SC, Kattan MW, Scardino PT, Hricak H. Prostate cancer: Incremental value of endorectal MR imaging findings for prediction of extracapsular extension. *Radiology*, 232(1), 133-139, July 2004.

Rosenberg, Robert D.

Brennan GB, Rosenber RD, Arora S. Bouveret Sydrome. *Radiographics*, Vol. 24, 1171-1175, March 2004.

Miglioretti DL, Rutter CM, Geller BM, Cutter G, Barlow WE, Rosenberg R, Weaver DL, Taplin SH, Ballard-Barbash R, Carney PA; et al. Effect of Breast Augmentation on the Augmentation on the Accuracy of Mammography and Cancer Characteristics. *JAMA*, Vol. 291, No 4, 442-450, Jan 2004.

White E, Miglioretti DL, Yankaskas BC, Geller BM, Rosenberg RD, Kerlikowske K, Saba L, Vacek PM, Camey PA, Buist DSM, Oestreicher N, Bar-Low W, Ballard-Barbash R, Taplin SH. Biennial versus annual mammography and the risk of late-stage breast. *Journal of the National Cancer Institute*, Vol. 96, No. 96, 1832-1839, Dec 2004.

Brennan GB, Rosenberg RD, Arora S. Bouveret Syndrome. *Radiographics*, Vol. 24, No. 4, 1171-1175, August 2004.

Stephen, Julia M.

Huang M, Davis LE, Aine C, Weisend M, Harrington D, Christner R, Stephen J, Edgar JC, Herman M, Meyer J, Paulson K, Martin K, Lee RR. MEG response to median nerve stimulation correlates with recovery of sensory and motor function after stroke. *Clinical Neurophysiology*, 115(4), 820-833, April 2004.

Huang M, Davis LE, Aine C, Weisend M, Harrington D, Christner R, Stephen J, Edgar C, Herman M, Meyer J, Paulson K, Martin K, Lee RR. MEG responses to Median Nerve Stimulation Correlates with Recovery of Sensorimotor Function after Stroke. *Journal of Clinical Neurophysiology*, 115, 820-823, Sept 2004.

Surgery

Baack, Bret R.

Wagner J, Baack B, Brown G, Kelly J. Rapid 3-dimensional prototyping for surgical repair of maxillofacial fractures: a technical note. *J Oral Maxillofac Surg*, 62, 898-901, Jan 2004.

Wagner J, Baack B, Brown G, Kelly J. Rapid 3-dimensional prototyping for surgical repair of maxillofacial fractures: A technical note. *J Oral Maxillofac Surg*, 62, 898-901, 2004.

Das, Arup

Das A. Pathogenesis of Angiogenesis. Proceedings of 5th International Symposium of Ocular Pharmacology & Therapeutics, July 2004.

Das A, Boyd, N, Jones TR, Talarico N, McGuire PG. A peptide inhibitor of the urokinase/urokinase receptor system inhibits choroidal neovascularization in a mouse model. *Arch Ophthalmol*, Dec 2004.

Fry, Donald E.

Barie PS, Williams MD, McCollam JS, Bates BM, Qualy RL, Lowry SF, Fry DE. Benefit/risk profile of drotrecogin alfa (activated) in surgical patients with severe sepsis. *Am J Surg*, 188, 212-220, April 2004.

Fry DE, Beilman G, Johnson S, Williams MD, Rodman G, Booth FV, Bates BM, McCollam JS, Lowry SF. Safety of drotrecogin alfa (activated) in surgical patients with severe sepsis. *Surg Infect*, 5, 253-260, May 2004.

Lowry SF, Awad A, Ford H, Cheadle W, Williams MD, Qualy RL, McCollam JS, Bates BM, Fry DE. Static and dynamic assessment of biomarkers in surgical patients with severe sepsis. *Surg Infect*, 5, 261-268, May 2004.

Fry DE. Staphylococcal postoperative wound infection. *Serious Hospital Infections*. Ochsner Clinic Foundation, 15, 1-8, July 2004.

Fry DE. The Management of Coagulopathy in the Critically-Ill Patient. Current Surgical Therapy, 1184-1186, Jan 2004.

Fry DE. Viral Infections. Chapter 43. Basic Science for Surgeons: A Review. Elsevier, 567-578, Jan 2004.

Fry DE. Surgical Problems in the Immunosuppressed Patient. Chapter 13. Sabiston's Textbook of Surgery: The Biological Basis of Modern Surgical Practice. Elsevier Saunders, 283-295, July 2004.

Hoyt DB, Fry DE, Doucet J. The Surgeons role in Unconventional Civilian Disasters. Chapter 25. Sabiston's Textbook of Surgery: The Biological Basis of Modern Surgical Practice. Elsevier Saunders, 641-661, July 2004.

Fry DE. Blood Cultures and Infection in the Patient with the Septic Response. Section 6, Chapter 15. ACS Surgery: Principles and Practice 2004, 1271-1286, July 2004.

Heywood, Glenroy

Heywood G, Smyrk TC. Primary Angiomyolipoma of the Pancreas. *Pancreas*, 28(4), 443-445, Jan 2004.

Heywood G, van Heerden JA. Cystic Neoplasms of the Pancreas. *Mayo Clinic Gastrointestinal Surgery*, 2004, Lippincott-Raven.

Heywood G, Que FG. Benign Tumors and Cysts of the Liver. *Mayo Clinic Gastrointestinal Surgery*, 2004, Lippincott-Raven.

Heywood G, Farnell MB. Pancreatic and Periampullary Adenocarcinomas. *Mayo Clinic Gastrointestinal Surgery*, 2004, Lippincott-Raven.

Keep, Marcus F.

Hansson MJ, Mattiasson G, Manson R, , Karlsson J, Keep MF, Waldmeier P, Ruegg UT, Dumont JM, Besseghir K, Elmér E. The Nonimmunosuppressive Cyclosporin Analogs NIM811 and UNIL025 Display Nanomolar Potencies on Permeability Transition in Brain-Derived Mitochondria. *Journal of Bioenergetics and Biomembranes*, 36, No. 4, August 2004.

Karlsson J, Fong KSK, Hansson MJ, Elmér E, Csiszar K, Keep MF. Life span extension and reduced neuronal death after weekly intraventricular cyclosporin injections in the G93A transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Neurosurgery*, 101, 128-137, July 2004.

Hansson MJ, Månsson R, Mattiasson G, Ohlsson J, Karlsson J, Keep MF, Elmér E. Brain-derived respiring mitochondria exhibit homogeneous, complete and cyclosporinsensitive permeability transition. *Journal of Neurochemistry*, 89(3), 715-729, May 2004.

Gourley PL, Chen P, Copeland RG, Hendricks JK, McDonald AE, Keep MF, Karlsson J. Nano-squeezed Light for Probing Mitochondria and Calcium-induced Membrane Swelling for Study of Neuroprotectants. *Proceedings of Photonics West 2004*, Jan 2004.

Alverson DC, Saiki Jr SM, Jacobs J, Saland L, Keep MF, Norenberg J, Baker R, Nakatsu C, Kalishman S, Lindberg M, Wax D, Mowafi M, Summers KL, Holten IV JR, Greenfield JA, Aalseth E, Nickles D, Sherstyuk A, Haines K, Caudell TP. Distributed Interactive Virtual Environments for Collaborative Experiential Learning and Training Independent of Distance over Internet2. IOS Press. *The Proceedings of the 12th Annual Medicine Meets Virtual Reality Conference*, March 2004.

Li PA, He Q, Cao T, Yong G, Szauter KM, Fong KS, Karlsson J, Keep MF, Csiszar K. Up-regulation and altered distribution of lysyl oxidase in the central nervous system of mutant SOD1 transgenic mouse model of amyotrophic lateral sclerosis. *Brain Res Mol Brain Res*, Jan 5:120(2), 115-122, Jan 2004.

Kelly, James P.

Wagner J, Baack B, Brown G, Kelly J. Rapid 3-dimensional prototyping for surgical repair of maxillofacial fractures: a technical note. *J Oral Maxillofac Surg*, 62, 898-901, 2004.

Oldershaw, John B.

Oldershaw JB, Salem A, Storrs BB, Milner B, Omer GE. Sciatic nerve entrapment in the upper thigh caused by an injury sustained during World War II at the battle of Anzio. *Journal of Neurosurgery Spine*, 100(3), 295-297, March 2004.

Pett, Stuart B.

Sedlis SP, Ramanathan KB, Morrison DA, Sethi G, Sacks J, Henderson W, Pett S. Outcome of percutaneous coronary intervention versus coronary bypass grafting for patients with low left ventricular ejection fractions, unstable angina pectoris, and risk factors for adverse outcomes with bypass. *Amer J of Cardiol*, 94, 118-120, July 2004.

Schermer, Carol

Knudson MM, Schermer C, Speetzen L. Motorcycle Helmet Laws: Every Surgeon's Responsibility. *J Am Coll Surg*, 199(2), 261-264, Jan 2004.

Smith, Anthony Y.

Averna TA, Kline E, Smith AY, Sillerud LO. A decrease in 1H NMR spectroscopically determined citrate in human seminal fluid accompanies the development of prostate adenocarcinoma. *J Urol*, Oct 2004.

Fordyce CA, Heaphy CM, Joste N, Smith AY, Hunt WC, Griffith JK. Telomere DNA content in prostate tumors and coexisting histologically normal tissues is associated with allelic imbalance and disease-free survival. *J Urol*, Nov 2004.

Terry, Maria

Terry ML, Vernon A, Hunter JG. Stapled-wedge Collis Gastroplasty for the shortened esophagus. *Am J Surg*, 188, 195-199, 2004.

Wagner, Jon D.

Wagner J, Baack B, Brown G, Kelly J. Rapid 3-dimensional prototyping for surgical repair of maxillofacial fractures: a technical note. *J Oral Maxillofac Surg*, 62, 898-901, 2004.

Wood, Mark G.

Shahinpoor P, Wood MG, Overturf G, Mootha VV. A small angel with a most peculiar finding. Eye Net: American Academy of Ophthalmology, 39-40, June 2004.

Wernly, Jorge A.

Wernly J. Ischemia, reperfusion, and the role of surgery in the treatment of cardiogenic shock secondary to acute myocardial infarction: An interpretative review. *J Surg Research*, 117, Issue 1, March 2004, 6-21.

COLLEGE OF NURSING

Albers, Leah

Albers L.L. Sedler K.D. Clinician perspectives on participation in research. *Journal of Midwifery & Women's Health* 2004; 49: 47-50.

Averill, Jennifer

Clements, P.T. and Averill, J.B. (2004). Patterns of Knowing as a method of assessment and intervention for children exposed to family-member homicide. *Archives of Psychiatric Nursing*, 18 (4): 143-150.

Birkholz, Gloria

Birkholz, G. Clements, P.T. Cox, R. and Gaume, A. (2004). Student Self-Identified Learning Needs: A Case Study of Baccalaureate Students Designing Their Own Death and Dying Course Curriculum. *Journal of Nursing Education*, 43 (1), 36-39.

Clements, Paul T.

Birkholz, G. Clements, PT. Cox, R. and Gaume, A. (2004). Student Self-Identified Learning Needs: A Case Study of Baccalaureate Students Designing Their Own Death and Dying Course Curriculum. *Journal of Nursing Education*, 43 (1), 36-39.

Clements, PT. Averill, JB. (2004). Patterns of Knowing as a method of assessment and intervention for children exposed to family-member homicide. *Archives of Psychiatric Nursing*, 18 (4): 143-150.

Clements, PT. (2004). Making sense of the senseless. *The Journal of Psychosocial Nursing*, 42 (1), 6-7.

DeRanieri, JT. Clements, PT. Clarke, K. Kuhn, DW. Manno, MS. (2004). War, Terrorism, and Children. *Journal of School Nursing*, 20 (2): 17-23.

Giddens, Jean

Giddens, J.F., Langford, R.W. (2004). Mosby's Nursing PDQ. St. Louis: Mosby.

Lewis, S., Heitkemper, M., Dirksen, S., O'Brien, P., Giddens, J., Bucher, L. (2004). *Medical-Surgical Nursing: Assessement & Management of Clinical Problems*, 6th ed. St. Louis: Mosby.

Giddens, J.F. (2004). Virtual Clinical Excursions for Medical-Surgical Nursing, 6th ed, Lewis. St. Louis: Mosby.

Miller, Kenneth

Miller, K. (2004). Occupational health injuries: A brief review of three disorders. *Nursing Clinics of North America*, 39, 395-402.

Parshall, Mark

Kidd, P., Parshall, M.B., Wojcik, S. and Struttmann, T. (2004). Assessing recalibration as a response shift phenomenon. *Nursing Research*, 53, 130-135.

Kidd, P., Parshall, M.B., Wojcik, S. and Struttmann, T. (2004). Overcoming recruitment challenges in construction safety intervention research. *American Journal of Industrial Medicine*, 45, 297-304.

Parshall, M.B. (2004). Book Review: Multidisciplinary Approaches to Breathing Pattern Disorders. In Respiratory Care, 49 (7), 847-848.

Shuster, Geoff

Shuster, G.F. and Geoppinger, J. (2004). Community as client: Assessment and Analysis. M. Stanhope and J. Lancaster (Eds.). *Community Health Nursing*, (6th Edition). St. Louis: C.V. Mosby.

Shuster, G. F. (2004). Commentary on Bush, J., White, M., Kai, J. Gender, age, religion, and tradition influenced the smoking attitudes and behavior of Bangladeshi and Pakistani adults. *Evidence Based Nursing*, 7 (2): 63.

Smith, Debra

Smith, D. (2004). Nursing management: Postoperative care. S. Lewis, M. Heitkemper, and S. Dirksen (Eds). *Medical-Surgical Nursing*. St. Louis: Mosby. 393-414.

Thomas, Eileen

Thomas, E. (2004). African American women's breast memories, cancer beliefs, and screening behaviors. *Journal of Cancer Nursing*, 27 (4), 295-302.

COLLEGE OF PHARMACY

Born, Jerry, L.

Jeffrey P. Norenberg, Madhur P. Vaidya, William B. Hladik III, Dorothy R. Pathak, Jerry L. Born, Tamara L. Anderson, Timothy R. Carroll. "The Effect of Selected Preparation Variables on the Radiochemical Purity of 99mTc-Sestamibi," *Journal of Nuclear Medicine Technology* 33:34-41 2005.

Burchiel, Scott W.

Burchiel, SW, Lauer, FT, McDonald, JD, and Reed, M (2004). "Systemic Immunotoxicity in AJ Mice Following Six Month Whole Body Inhalation Exposure to Diesel Exhaust," *Toxicology Applied Pharmacology* 196, 337-345.

Dodd, Melanie A.

Kumar RN, Gupchup GV, Dodd MA, Shah B, Iskedjian M, Einarson TR, Raisch DW. "Health Care Utilization and Costs Associated with Four Categories of Skin Ulcers in New Mexico Medicaid Patients." *Adv. Skin Wound Care*. 2004. 17: 143-9.

Holdsworth, Mark, T.

Raisch DW, Holdsworth MT, Marshik PL, Campbell HM. "Pharmacoeconomic Analysis of Therapies for Pediatric Patients," *Expert Rev Pharamcoeconomics Outcomes Res.* 2004. 4: 483-87.

Karlsson, Jenny

Karlsson J, Fong KSK, Hansson MJ, Elmér E, Csiszar K, Keep MF. Life span extension and reduced neuronal death after weekly intraventricular cyclosporin injections in the G93A transgenic mouse model of amyotrophic lateral sclerosis. *Journal of Neurosurgery*, 101, 128-137, July 2004.

Li PA, He Q, Cao T, Yong G, Szauter KM, Fong KS, Karlsson J, Keep MF, Csiszar K. Up-regulation and altered distribution of lysyl oxidase in the central nervous system of mutant SOD1 transgenic mouse model of amyotrophic lateral sclerosis. *Brain Res Mol Brain Res*, Jan 5:120(2), 115-122, Jan 2004.

Gourley PL, Chen P, Copeland RG, Hendricks JK, McDonald AE, Keep MF, Karlsson J. Nano-squeezed Light for Probing Mitochondria and Calcium-induced Membrane Swelling for Study of Neuroprotectants. *Proceedings of Photonics West 2004*, Jan 2004.

- Hansson MJ, Månsson R, Mattiasson G, Ohlsson J, Karlsson J, Keep MF, Elmér E. Brain-derived respiring mitochondria exhibit homogeneous, complete and cyclosporin sensitive permeability transition. *Journal of Neurochemistry*, 89(3), 715-729, May 2004.
- Hansson MJ, Mattiasson G, Manson R, Karlsson J, Keep MF, Waldmeier P, Ruegg UT, Dumont JM, Besseghir K, Elmér E. The Nonimmunosuppressive Cyclosporin Analogs NIM811 and UNIL025 Display Nanomolar Potencies on Permeability Transition in Brain-Derived Mitochondria. *Journal of Bioenergetics and Biomembranes*, 36, No. 4, August 2004.

Liu, Jim

- H. Shi, X. Shi, K.J. Liu, "Oxidative Mechanism of Arsenic Toxicity and Carcinogenesis," *Mol. Cell. Biochem.*, 255: 67-78 (2004).
- S. Liu, H. Shi, W. Liu, T. Furuichi, G.S. Timmins, K.J. Liu, "Interstitial pO₂ in Ischemic Penumbra and Core are Differentially Affected Following Transient Focal Cerebral Ischemia in Rats," *J. Cereb. Blood Flow Metab.*, 24, 343-349 (2004).
- W. Liu, G.A. Rosenberg, H. Shi, T. Furuichi, G.S. Timmins, L.A. Cunningham, K.J. Liu, "Xanthine Oxidase Activates Pro-Matrix Metalloproteinase-2 in Cultured Rat Vascular Smooth Muscle Cells Through Non-Free Radical Mechanisms," *Arch. Biochem. Biophys.*, 426, 11-17 (2004).
- N. Gao, F.C. Flynn, Z. Zhang, B. Chen, V. Walker, J. Lin, K.J. Liu, X. Shi, B.H. Jiang, "The G₁ Cell Cycle Progression and the Expression of G₁ Cyclins are Regulated by PI3K/AKT/mTOR Signaling in Human Ovarian Cancer Cells," *Am. J. Physiol. Cell Physiol.*, 287, C281-291 (2004).
- H. Shi, L.G. Hudson, K.J. Liu, "Oxidative Stress and Apoptosis in Metal Ion Induced Carcinogenesis," *Free Radic Biol. Med.*, 37, 582-593 (2004).
- S. Liu, G.S. Timmins, H. Shi, C.M. Gasparovic, K.J. Liu, "Application of in vivo EPR in Brain Research: Monitoring Tissue Oxygenation, Blood Flow, and Oxidative Stress," *NMR in Biomedicine*, 17, 327-334 (2004).
- H. Shi, L.G. Hudson, W. Ding, S. Wang, K.L. Cooper, S. Liu, X. Shi and K.J. Liu, "Arsenite Causes DNA Damage in Keratinocytes Via Generation of Hydroxyl Radicals," *Chem. Res. Tox.*, 17, 871-878 (2004).

Liu, Shimin

Liu S, Shi H, Liu W, Furuichi T, Timmins G, Liu KJ. "Interstitial pO2 in Ischemic Penumbra and Core are Differentially Affected Following Transient Focal Cerebral Ischemia in Rats." *J Cereb Blood Flow Metab* 2004, 24: 343-349.

Shi H, Hudson LG, Ding W, Wang S, Cooper KL, Liu S, Chen Y, Shi X, Liu KJ. "Arsenite Causes DNA Damage in Keratinocytes Via Generation of Hydroxyl Radicals." *Chem Res Toxicol.* 2004, 17 (7): 871-8.

Marcus, Craig

Annalora A, Bobrovnikova-Marjon E, Serda R, Lansing L, Chiu ML, Pastuszyn A, Iyer S, Marcus CB, and Omdahl JL. (2004.) "Rat Cytochrome P450c24 (CYP24A1) and the Role of F249 in Substrate Binding and Catalytic Activity." *Arch. Biochem. Biophys.* 425 (1): 133-46.

Port JL, Yamaguchi K, Du B, De Lorenzo M, Chang M, Heerdt PM, Kopelovich L, Marcus CB, Altorki NK, Subbaramaiah K, Dannenberg AJ. (November 2004.) "Tobacco Smoke Induces CYP1B1 in the Aerodigestive Tract." *Carcinogenesis.* 25 (11): 2275-81.

Marshik, Patrica L.

Basehore MJ, Howard TD, Lange LA, Moore WC, Hawkins GA, Marshik PL, Harkins MS, Meyers DA, Bleecker ER. "A Comprehensive Evaluation of IL4 Variants in Ethnically Diverse Populations: Association of Total Serum IgE Levels and Asthma in White Subjects." *Journal Allergy Clin. Immunol* 2004, 114: 80-7.

Marshik PL. "Pharmacologic Treatment of Pediatric Asthma" ADVANCE for Nurse Practitioners 2004, 12[3]: 35-46.

Raisch DW, Holdsworth MT, Marshik PL, Campbell H. "Assessing Pharmacoeconomics of Therapies for Pediatric Patients." *Expert Review in Pharmacoeconomics & Outcomes Research* 2004, 4 (5): 483-487.

Mercier, Renee-Claude

Graham, AC, RC Mercier, LE Achusim, and MP Pai. 2004. "Extended-Interval Aminoglycoside Dosing for Treatment of Enterococcal and Staphylococcal Osteomyelitis." *Ann Pharmacother*. 38: 936-941.

Mercier, RC, RM Dietz, J Mazzola, AS Bayer, and MR Yeaman. 2004. "Beneficial Influence of Platelets on Antibiotic Efficacy in an In Vitro Model of Staphylococcus aureus-Induced Endocarditis." *Antimicrob Agents Chemother*. 48: 2551-2557.

Nawarskas, James J.

Nawarskas JJ. "Clopidogrel-Statin Interaction." Cardiology in Review 2004, 12: 236-9.

Norenberg, Jeffrey P.

Norenberg JP, Achusim LE, Steel TH, Anderson TA. "Stability of Lorazepam Aqueous Solutions in Polyolefin Bags." *Journal of American Health-System Pharmacy*, 2004, 61:1039-1041

Verschraegen CF, Smith HO, Lee FC, Cathcart C, Norenberg JP. "TLK-286." *IDrugs*, 2004, 7 (8): 771-781.

Alverson DC, Saiki SM Jr, Jacobs J, Saland L, Keep MF, Norenberg J, Baker R, Nakatsu C, Kalishman S, Lindberg M, Wax D, Mowafi M, Summers KL, Holten JR, Greenfield JA, Aalseth E, Nickles D, Sherstyuk A, Haines K, Caudell TP. "Distributed Interactive Virtual Environments for Collaborative Experiential Learning and Training Independent of Distance Over Internet2." *Stud Health Technol Inform.* 2004, 98: 7-12.

Pai, Amy Barton

Pai AB, Pai MP. "A Limited Sampling Algorithm for Vancomycin Dosing During Hi-Flux Hemodialysis." Am. J. Hosp. Pharm, 2004, 61: 1812-6

Pai AB, Smeeding JE, Brook RA. "The Role of Sevelamer in Achieving the Kidney Disease Outcome Quality Initiative (K/DOQI) for Hyperphosphatemia." *Curr Med Res Opin*. 2004, 20: 991-999

Pai AB. "Intravenous Iron and Bacteremia in Hemodialysis Patients." Kidney: A Current Survey of World Literature. 2004, 13: 51-53

Peterson, Steven, L.

Peterson, S.L., Purvis, R.C. and Griffith, J.W., "Differential Neuroprotective Effects of the NMDA Receptor-Associated Glycine Site Partial Agonists 1-Aminocyclopropamecarboxylic Acid (ACPC) and D-Cycloserine in Lithium-Pilocarpine Status Epilepticus." *NeuroToxicology* 25 (5): 835-847 (2004).

Raisch, Dennis W.

Zakarija A, Bandarenko N, Pandey DK, Auerbach A, Raisch D, Kim B, Kwaan H, McKoy J, Schmitt B, Davidson C, Yarnold PR, Gorelick P, Bennett C. "Clopidogrel-associated TTP:An Update of Pharmacovigilance Efforts Conducted by Independent Researchers, Pharmaceutical Suppliers, and the Food and Drug Administration." *Stroke.* 2004, 35: 533-7.

Kumar RN, Gupchup GV, Dodd MA, Michael Iskedjian M, Einarson TR, Raisch DW. "Health Care Costs Associated With Four Categories of Skin Ulcers in New Mexico Medicaid Fee-for-Service Patients." *Adv Skin Wound Care*. 2004, 17: 143-9.

Bennett CL, Luminari S, Nissenson AR, Tallman MS, Klinge SA, McWilliams N, McKoy JM, Kim B, Lyons EA, Trifilio S, Raisch DW, Evens AM, Kuzel TM, Schumock GT, Belknap SM, Locatelli F, Rossert J, Casadevall N. "Pure Red-Cell Aplasia and Epoetin Therapy." *N Engl J Med.* 2004. 351: 1403-8.

Raisch DW. Review of *Pharmacoeconomics and Outcomes*, second edition. Ann *Pharmacother*. 2004, 38: 1094-5.

Raisch DW, Holdsworth MT, Marshik PL, Campbell HM. "Pharmacoeconomic Analysis of Therapies for Pediatric Patients." *Expert Rev Pharmacoeconomics Outcomes Res.* 2004, 4 (5): 365-9.

Shi, Honglian

Shi H, Hudson LG, and Liu KJ, "Oxidative Stress and Apoptosis in Metal Ion-Induced Carcinogenesis." *Free Radic Biol Med*, 2004, 37 (5): 582-593.

Shi H, Hudson LG, Ding W, Wang S, Cooper KL, Liu S, Shi X and Liu KJ. "Radical Generation and DNA Damage by Arsenite in Keratinocytes." *Chem Res Toxicol.* 2004, 17: 871-878.

Shi H, Shi X, Liu KJ, "Oxidative Mechanism of Arsenic Toxicity and Carcinogenesis," *Mol Cell Biochem*, 2004, 55: 67-78.

Shi H, Paolucci U, Vigneau-Callahan KE, Shestopalov AI, Milbury PE, Matson WR, Kristal BS. "Development of Biomarkers Based on Diet-Dependent Metabolic Serotypes: Practical Issues in Development of Expert System-Based Classification Models in Metabolomic Studies." *OMICS J Integr Biol*, 8 (3): 197-208; 2004.

Liu S, Shi H, Liu W, Furuichi T, Timmins G, and Liu K, "Interstitial pO2 in Ischemic Penumbra and Core are Differentially Affected Following Transient Focal Cerebral Ischemia in Rats," *J Cerebr Blood Flow Metab*, 2004, 24: 343-349.

Liu W, Rosenburg GA, Shi H, Furuichi T, Timmins G, Cunningham LA, and Liu KJ "Xanthine oxidase Activates Gelatinase A (MMP-2) in Cultured Rat Vascular Smooth Muscle Cells Through Proteolytic Activities." *Arch Biochem Biophys*, 2004, 426: 11-17.

Liu S, Timmins G, Shi H, Gasparovic CM, and Liu KJ. "Application of In Vivo EPR in Brain Research: Monitoring Tissue Oxygenation, Blood Flow, and Oxidative Stress." *NMR in Biomedicine*, 17: 327-334; 2004.

Paolucci U, Vigneau-Callahan KE, Shi H, Shestopalov AI, Milbury PE, Matson WR, Kristal BS. "Development of Biomarkers Based on Diet-Dependent Metabolic Serotypes: Concerns and Approaches for Cohort and Gender Issues in Serum Metabolome Studies." *OMICS J Integr Biol*, 8 (3): 209-220; 2004.

Paolucci U, Vigneau-Callahan KE, Shi H, Shestopalov AI, Milbury PE, Matson WR, Kristal BS. "Development of Biomarkers Based on Diet-Dependent Metabolic Serotypes: Characteristics of Component-Based Models of Metabolic Serotypes." OMICS J Integr Biol, 8 (3): 221-238; 2004.

Timmins, Graham

Liu SM, Shi HL, Liu WL, Furuichi T, Timmins GS, Liu KJ, "Interstitial po(2) in Ischemic Penumbra and Core are Differentially Affected Following Transient Focal Cerebral Ichemia in Rats." *Journal of Cerebral Blood Flow and Metabolism*, March 2004, v. 24, no. 3, pp. 343-349.

Rothfork JM, Timmins GS, Harris MN, Chen X, Lusis AJ, Otto M, Cheung AL, Gresham HD, "Inactivation of a Bacterial Virulence Pheromone by Phagocyte-Derived Oxidants: New Role for the NADPH Oxidase in Host Defense." *Proceedings of the National Academy of Sciences of the United States of America*; Sept 2004, v. 101, no. 38, pp. 13867-13872.

Liu SM, Timmins GS, Shi HL, Gasparovic CM, Liu KJ, "Application of In Vivo EPR in Brain Research: Monitoring Tissue Oxygenation, Blood Flow, and Oxidative Stress." *NMR in Biomedicine*, Aug 2004, v. 17, no. 5, pp. 327-U8.

Miller BH, Fratti RA, Poschet JF, Timmins GS, Master SS, Burgos M, Marletta MA, Deretic V, "Mycobacteria Inhibit Nitric Oxide Synthase Recruitment to Phagosomes During Macrophage Infection." *Infection and Immunity*, May 2004, v. 72, no. 5, pp. 2872-2878.

Alam TM, Celina M, Collier JP, Currier BH, Currier JH, Jackson SK, Kuethe DO, Timmins GS, "G-Irradiation of Ultrahigh-Molecular-Weight Polyethylene: Electron Paramagnetic Resonance and Nuclear Magnetic Resonance Spectroscopy and Imaging Studies of the Mechanism of Subsurface Oxidation." *Journal of Polymer Science Part A-Polymer Chemistry*, Dec 2004, v. 42, no. 23, pp. 5929-5941.

Timmins GS, Master S, Rusnak F, Deretic V, "Requirements for nitric oxide generation from isoniazid activation in vitro and inhibition of mycobacterial respiration in vivo." *Journal of Bacteriology*, Aug 2004, v. 186, no. 16, pp. 5427-5431.

Timmins, GS, Master S, Rusnak F, Deretic V, "Nitric Oxide Generated From Isoniazid Activation by KatG: Source of Nitric Oxide and Activity Against Mycobacterium Tuberculosis." *Antimicrobrial Agents and Chemotherapy*; Aug 2004, v. 48, no. 8, pp. 3006-3009.

Liu WL, Rosenberg GA, Shi HL, Furuichi T, Timmins GS, Cunningham LA, Liu KJ, "Xanthine Oxidase Activates Pro-Matrix Metalloproteinase-2 in Cultured Rat Vascular Smooth Muscle Cells Through Non-Free Radical Mechanisms." *Archives of Biochemistry and Biophysics*, June 2004, v. 426, no. 1, pp. 11-17.

Firoved AM, Wood SR, Ornatowski W, Deretic V, Timmins GS, "Microarray Analysis and Functional Characterization of the Nitrosative Stress Response in Nonmucoid and Mucoid Pseudomonas Aeruginosa." *Journal of Bacteriology*, June 2004, v. 186, no. 12, pp. 4046-4050.

Walker, Mary K.

Ivnitski-Steele, I.D., A. Sanchez, and M.K. Walker. 2004. "2,3,7,8-Tetrachlorodibenzo-p-dioxin Reduces Myocardial Hypoxia and Vascular Endothelial Growth Factor Expression During Chick Embryo Development." *Birth Defects Research: Clin. Mol. Teratol.* 70, 51-58.

C.D. Johnson, Y. Balagurunathan, M.G. Tadesse, M.H. Falahatpisheh, M.K. Walker, E.R. Dougherty, K.S. Ramos. 2004. "Unraveling Gene-Gene Interactions Regulated by Ligands of the Aryl Hydrocarbon Receptor." *EHP Toxicogenomics*. 112, 403-412.

Berwick, M., G. Matullo, Y.S. Song, S. Guarrera, G. Dominguez, I. Orlow, M.K. Walker, P. Vineis. 2004. "Association Between AhR Genotype and Survival in Soft Tissue Sarcoma." *J. Clin. Oncol.* 22, 3997-4001.

UNIVERSITY LIBRARIES

Awe, Susan

Review: Encyclopedia of Water Garden Plants, by Greg Speichert. Choice 41 (11) July, 2004.

Review: Strauss's Handbook of Business Information, by Rita W. Moss. Booklist, 100 (21); 1859; July 2004.

Review: Encyclopedia of American Business, by Davis W. Folsom. Booklist, 100 (21); 1862; July 2004.

Review: PlantzAfrica.com. Choice 41 (9), May, 2004.

Review: Taylor's Encyclopedia of Garden Plants. Frances Tenenbaum, ed. Choice, 41 (7), March 2004.

Review: Business and Industry 11 v., by William R. Childs, et al. Booklist, 100 (13); 1228; March 1, 2004.

Review: American Horticultural Society Encyclopedia of Gardening, Christopher Brickell, ed. Choice, 41 (6) February 2004.

Review: The Daily Drucker Library Journal, 129 (20) 132; December 1, 2004.

Review: Copies in Seconds. Library Journal, 129 (17) 70; October 15, 2004.

Review: The Case for the Living Wage. Library Journal, 129 (17) 71; October 15, 2004.

Review: We Got Fired...and It's the Best Thing That Ever Happened to Us. Library Journal, 129 (15) 67; September 14, 2004.

Review: Leg the Spread. Library Journal, 129 (13) 91; August 18, 2004.

Review: A Term at the Fed: An Insider's View. Library Journal, 129 (12) 95; July 15, 2004.

Review: Don't Think Pink: What Really Makes Women Buy-And How to Increase Your Share of This Crucial Market. Library Journal, 129 (11) 79; June 15, 2004.

Review: Clearing the Hurdles: Women Building High Growth Businesses. Library Journal, 129 (10) 150; June 1, 2004.

Review: The Seven-Day Weekend; Changing the Way Work Works. Library Journal, 129 (6) April 1, 2004: pp. 104.

Review: Water Night Touch Light. Library Journal, 129 (2) 137; February 1, 2004.

Aguilar, Paulita

History of the American West, 1860-1920. Choice, November 2004.

Barkley, Daniel C.

State Publications. Journal of Government Information, 30 (2-3) 2004.

Benaud, Claire-Lise

International Dateline-Which is Right? Florence or Firenze?: Issues in International Authority Control. *Against the Grain*, 16 (2) 2004: pp. 81-84.

Report on the International Conference: Authority Control, Definition and International Experiences. *Journal of Internet Cataloging*, 6 (3) 2004: pp. 53-56.

Bordeianu, Sever

International Dateline-Which is Right? Florence or Firenze?: Issues in International Authority Control. *Against the Grain*, 16 (2) 2004: pp. 81-84.

Report on the International Conference: Authority Control, Definition and International Experiences. *Journal of Internet Cataloging*, 6 (3) 2004: 53-56.

Cromer, Donna E.

Review: *Universal Book of Astronomy: From the Andromeda Galaxy to the Zone of Avoidance*, by David Darling and John Wiley. *E-streams*, 7(10) October 2004.

Emmons, Mark

Review: Animation World Network. In College & Research Libraries News 65 (5) May 2004: p. 280.

Grothey, Mina Jane

Review: Garner's Modern American Usage. In Reference & User Services Quarterly 43 (3) Spring 2004: pp. 265-266.

Ives, Peter

Review: Distinguished Women Economists, by Cicarelli, James & Julianne. Reference & User Services Quarterly 43 (4) Summer 2004: pp. 342-343.

Lewis, Linda

Buy One Get One e-or has print finally become never no more in reference collections? *Against the Grain*, 16 (4) September 2004: pp. 1, 18-24. Co-authored with Frances C. Wilkinson.

Performance Reviews: Terror, Tedium or Inspiration? Chapter in *The Librarian's Career Guidebook*, edited by Priscilla Shontz, Lanham MD: Scarecrow Press, 2004. pp. 271-80. Coauthored with Frances C. Wilkinson.

Moynahan, Sharon

Women in Latin American Studies: Reshaping the Boundaries: 49th Annual SALALM, 2004, *Against the Grain* 16 (4) September, 2004: pp. 82-83. Co-author: Wendy Louise Pederson.

Neville, Bruce

Review: The subgenus Linnerita Vermeij, 1984 (Gastropoda: Neritidae), with the designation of a new species and a redescription of Nerita (Linnerita) vitiensis Hombron & Jaquinot, 1854, from American Samoa, Fiji, and Vanuatu. La Conchiglia 36 (311) December 2004: pp. 43-58.

Review: *Introduction to Southern California Butterflies*, by Fred Heath and Herbert Clarke. *Estreams* 7 (11) November 2004: pp. 78-80.

Review: Bats of the Rocky Mountain West: Natural History, Ecology, and Conservation, by Rick A. Adams. E-streams 7 (11) November 2004: pp. 80 81.

Review: Biomes of the Earth: Terrestrial, Aquatic, and Human-Dominated, by Susan L. Woodward. E-streams 7 (9) September 2004: pp. 18-19.

Review: Encyclopedia of DNA and the United States Criminal Justice System, by Louis J. Palmer, Jr. Reference and User Services Quarterly 43 (4) Summer 2004: pp. 344-345.

Review: Howard and Moore Complete Checklist of the Birds of the World, Revised and Enlarged 3rd edition, edited by Howard C. Dickison. E-streams 7 (4) April 2004: pp. 72-74.

Review: Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Design, to British Standards and Eurocodes, 2nd edition, by Chanakya Arya. E-Streams 7 (4) April 2004: pp. 19-20.

Northup, Diana

Hunter, A.J., Northup, D.E., Dahm, C.N., and Boston, P.J. 2004. Persistent Coliform Contamination in Lechuguilla Cave Pools. *Journal of Cave and Karst Studies* 63 (3): pp. 102-110.

Lavoie, K.H. 2004. Microbiology in caves, *Encyclopedia of Cave and Karst Science*. John Gunn, ed. pp. 506-509.

Connolly, C.A., Trent, A., Spilde, M.N., Boston, P.J., Peck, V., and Natvig, D.O. 2004. Studies of bacterial communities from Four Windows Cave, El Malpais National Monument, New Mexico. *Journal of Cave and Karst Studies* 66 (4): p. 111.

Hose, L.D. 2004. Biovermiculations: Living Vermiculation-like Deposits in Cueva de Villa Luz, Mexico. *Journal of Cave and Karst Studies* 66 (4): p. 112.

Pistorius, Nancy

ARLIS/Mountain West, From the Chapters in ARLIS/NA Update, Number 3, June 2004, pp. 9-10.

ARLIS/Mountain West, From the Chapters in ARLIS/NA Update, Number 6, December 2004, pp. 6-7.

Ancient Matter, Modern Practice: Acquiring, Interpreting and Exploiting. *The Mountain Ledger* 3 2) June 2004: pp. 6-8.

Impact of E-Resources on Collection Development Budgets, Staffing, and Services, *The Mountain Ledger*. 3 (4) October 2004: pp. 5-7.

Shane, Jacqueline

Wikipedia: An Emergent Encyclopedia. *The Cyberskeptic's Guide to Internet Research*, 9 (8), 2004: p. 6.

Wikipedia: Pt. 1: More is Better. The Cyberskeptic's Guide, 9 (7), 2004: p. 6.

Review: Landscape Agroecology, by Paul A. Wojtkowski. E-streams, 7 (10), October 2004.

Review: Molecular Modeling for Beginners, by by Alan Hinchliffe. E-streams, 7 (7), July 2004.

Review: Plant Discoveries: A Botanist's Voyage Through Plant Exploration, by Sandra Knapp. Estreams, 7 (5) May 2004.

Review: Encyclopedia of Garden Plants, edited by Frances Tenenbaum. E-streams, 7 (3), March 2004.

Review: Flora of North America, edited by Mary E. Barkworth, Kathleen M. Capels, Sandy Long, Michael B. Piep. E-streams, 7 (1), January 2004.

Review: Earth Sciences Resources in the Electronic Age. Choice, July 2004.

Review: CRC Handbook of Chemistry and Physics, 84th ed. Choice, April 2004.

Steinhagen, Elizabeth

Taller Avanzado Para la Catalogación de Publicaciones Seriadas. Equipo version en español. Cocreator: Lisa Furubotten, Texas A&M University.

Stephenson, Nina

Review: Art Beyond Sight: A Resource Guide to Art, Creativity, and Visual Impairment, ed. by Elisabeth Salzhauer Axel and Nina Sobol Levent (New York: Art Education for the Blind: AFB Press, c2003), Art Documentation, 23 (1) Spring 2004: pp. 43-44.

Review: We Are Americans: Voices of the Immigrant Experience, by Dorothy and Thomas Hoobler. New Mexico Families with Children from China, 9 (1) April 2004: p. 4.

"Librarians On the Wall: A review of the Art Libraries Society of North America: Members' Exhibition, Queens College Art Center, April 15-July 15, 2004." *The Mountain Ledger: ARLIS/MW Chapter Newsletter*, 3(2) May 2004.

The Call (A Tall Tale) in *Love's Journey: A Collage of the China Adoption Experience*. Edited by Suzanne Mabee and Mary Anne Castranio (Edmond, OK: Love Without Boundaries Foundation, 2004): 72.

Our Extended Adoption Family. FCC International: A Newsletter for Families with Children from China, 2 (2) Autumn 2004: pp. 1, 3.

Art Education Studio 530/430 Exhibit, University of New Mexico Masley Hall Gallery, Sept. 13-Oct. 8, 2004.

The Art Libraries Society of North America: Members Exhibition, The Queens College Art Center, Flushing, New York, April 15-July 15, 2004.

van Reenen, Johann

Brazil Supports Open Access to Scientific Information. SPARC E-News, June-July 2004.

Brazil Supports Open Access to Scientific Information. Open Access News, June 18, 2004.

Brazil Supports Open Access to Scientific Information. Summarized in *Los Alamos Research Library Newsletter*, June 2004.

Wilkinson, Frances C.

Buy One Get One e-Or Has Print Finally Become Never No More In Reference Collections? *Against the Grain*, 16 (4) September 2004: pp 1, 18-24. Co-author: Linda Lewis.

Performance Reviews: Terror, Tedium or Inspiration? Chapter 33, pp. 271-280 in *The Librarian's Career Guidebook*, edited by Priscilla Shontz, Lanham MD: Scarecrow Press, 2004. pp. 271-80. Co-author: Linda K. Lewis.