
Estudi de la coautoría de publicacions científiques entre UPC i nou universitats dels Estats Units:

**Brown University, University of Chicago,
Northwestern University, Stanford University,
Columbia University, Cornell University, Harvard
University, Princeton University i Duke University**

Biblioteca Rector Gabriel Ferraté

Gener 2013



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SUMARI

1.	Introducció.....	6
1.1.	Abast de l'informe.....	6
1.2.	Metodologia.....	6
1.3.	Presentació dels resultats.....	7
2.	Resum de dades.....	8
3.	Coautories UPC/Brown University.....	13
4.	Coautories UPC/University of Chicago.....	14
5.	Coautories UPC/Northwestern University.....	15
6.	Coautories UPC/Stanford University.....	21
7.	Coautories UPC/Columbia University.....	26
8.	Coautories UPC/Cornell University.....	30
9.	Coautories UPC/Harvard University.....	34
10.	Coautories UPC/Princeton University.....	38
11.	Coautories UPC/Duke University.....	41

1. Introducció

1.1. Abast de l'estudi

Abast temàtic

L'estudi recull la publicació científica de la Universitat Politècnica de Catalunya, de totes les àrees d'especialització de la UPC, realitzada en col·laboració amb autors de les universitats dels Estats Units seleccionades.

Els autors de la UPC que s'han considerat, són professors i investigadors vinculats a la UPC en el moment de signar les publicacions incloses a l'informe.

Abast documental

No s'han introduït límits documentals a la cerca. S'han considerat tot tipus de documents científics: articles publicats a revistes, comunicacions a congressos, reviews, material editorial, cartes, etc.¹.

El 90% dels referències recuperades corresponen a articles de revista.

Abast cronològic

No s'han introduït límits cronològics a la cerca. La referència més antiga que s'ha recuperat correspon a maig de 1988 i la més moderna a febrer de 2013.

1.2. Metodologia

Les dades a partir de les quals s'ha elaborat l'informe s'han extret de la base de dades de Thomson-ISI: Web of Science (WoS), abastament usada com a eina d'anàlisi bibliomètrica dins del món acadèmic.

Una de les principals dificultats en l'elaboració d'estudis bibliomètrics prenent com a base WoS, és la manca generalitzada de normalització als noms d'autors i institucions.

¹ Cal tenir en compte, però, que la base de dades Web of Science recull referències de congressos des de l'any 1990, a diferència de les dades referents a revistes que arrenquen el 1900.

És important tenir en compte que *ISI Essential Science Indicators*, manté un llistat de formes normalitzades de noms d'institucions, però tot i així, les dades que apareixen als registres de les bases de dades Thomson-ISI, són les mateixes que els propis autors i editors van fer constar en els articles, tal i com aquests es van publicar originalment. Com a conseqüència, les institucions sovint apareixen consignades amb diverses variants dels seus noms, circumstància que complica en gran mesura la recuperació exhaustiva d'informació pertinent².

Per tal de donar una solució a aquest fet, i després d'examinar les especificitats de les institucions acadèmiques que s'analitzen, s'ha decidit aplicar una estratègia única i comuna en la construcció d'algorismes de cerca vàlida per a totes les universitats considerades. L'estratègia de cerca manté, com a principi bàsic, l'obtenció del màxim possible d'ítems per cadascuna de les institucions, sempre i quan no es trenqui la pertinença dels resultats, tot tenint en compte:

- les variants dels noms que s'han recollit són les següents:
 - forma normalitzada a *Essential Science Indicators*
 - sigles i abreviatures
 - variants en l'idioma/idiomes oficials
 - variants en anglès
 - altres formes alternatives no normalitzades
- el control dels resultats obtinguts mitjançant la revisió del conjunt de registres recuperat en la cerca.

1.3. Presentació dels resultats

A mode de resum en primer lloc es presenten les principals dades obtingudes.

Els resultats universitat a universitat es presenten en format taula. Es relacionen les referències de les publicacions de les universitats estadounidenques realitzades conjuntament amb autors de la UPC. Les referències estan ordenades cronològicament de més recent a més antiga.

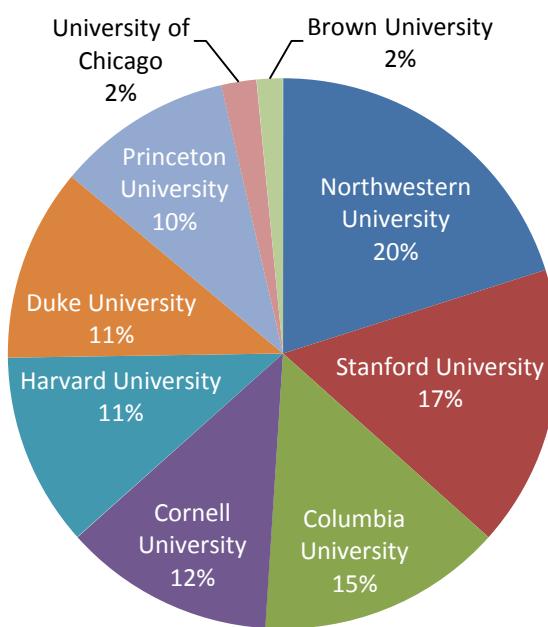
A cada referència s'han destacat en negreta els autors vinculats a la UPC.

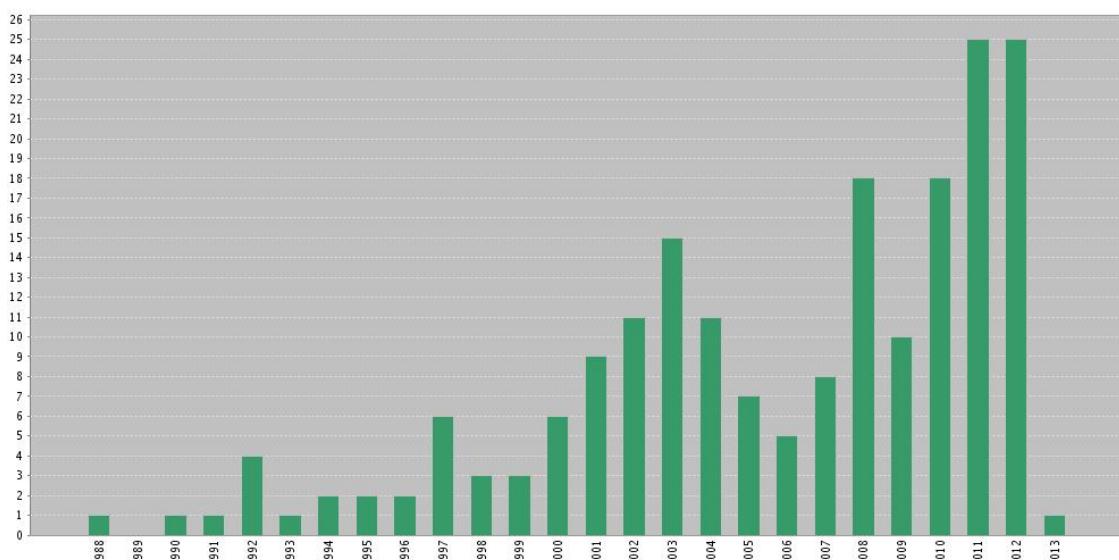
² En el cas de UPC aquest problema és especialment greu atès que es poden detectar fins a desenes d'aquestes variants.

2. Resum de dades

Nombre de publicacions amb coautoría UPC	
Northwestern University	39
Stanford University	32
Columbia University	28
Cornell University	24
Harvard University	22
Duke University	22
Princeton University	20
University of Chicago	4
Brown University	3
Total	194

% de publicacions amb coautoría UPC sobre el total



Evolució del nombre de coautories entre 1988 i 2013**Autors UPC amb més de 2 publicacions amb coautoría amb una o més de les 9 universitats dels EU considerades a l'informe**

GARCIA-OJALVO J	16
TORNER L	10
VILASECA R	9
CAROL I	9
TORRES JP	7
TORRENT MC	7
CANER FC	7
BALDASANO JM	7
PALOMAR DP	6
BELMONTE A	6
JOSE J	5
LAGUNAS MA	4
GOMIS P	4

GOMEZ G	4
GETTU R	4
FONT JL	4
FERNANDEZ-SOLER JJ	4
CAMINAL P	4
VILCHEZ JA	3
VAN DER VELDE OA	3
TORRENTS JM	3
PRAT PC	3
HURTADO F	3
HUERTA A	3
HERNANZ M	3
DUNJO J	3
BRAVO E	3
ARNALDOS J	3
WOOD DR	2
VELASCO L	2
VALLVERDU M	2
SUBIRANA JA	2
SOLE RV	2
SEPULCRE F	2
SALA G	2
ROURE F	2
RIERA A	2
PLANS AP	2
PENA-MORA F	2
PEDROLA O	2
PASTOR-SATORRAS R	2
MIHALACHE D	2
MATEU J	2
GONZALEZ MD	2
FONT-SEGURA J	2
DARBRA RM	2
CASAFONT M	2
CARRERA J	2
CAREGLIO D	2
CANTALAPIEDRA IR	2
BARONCELLI A	2

Distribució de coautories segons Web of Science Categories³

OPTICS	14054%
ENGINEERING ELECTRICAL ELECTRONIC	10811%
PHYSICS MULTIDISCIPLINARY	8108%
MECHANICS	7027%
ASTRONOMY ASTROPHYSICS	6486%
MATERIALS SCIENCE MULTIDISCIPLINARY	6486%
PHYSICS FLUIDS PLASMAS	4865%
ENGINEERING CIVIL	4324%
METEOROLOGY ATMOSPHERIC SCIENCES	4324%
MULTIDISCIPLINARY SCIENCES	4324%
COMPUTER SCIENCE INFORMATION SYSTEMS	3784%
ENVIRONMENTAL SCIENCES	3784%
MATHEMATICS	3784%
PHYSICS APPLIED	3784%
ENGINEERING BIOMEDICAL	3243%
ENGINEERING MECHANICAL	3243%
MATHEMATICS APPLIED	3243%
PHYSICS MATHEMATICAL	3243%
BIOPHYSICS	2703%
COMPUTER SCIENCE HARDWARE ARCHITECTURE	2703%
COMPUTER SCIENCE SOFTWARE ENGINEERING	2703%
COMPUTER SCIENCE THEORY METHODS	2703%
CONSTRUCTION BUILDING TECHNOLOGY	2703%
ENGINEERING ENVIRONMENTAL	2703%
PHYSICS ATOMIC MOLECULAR CHEMICAL	2703%
TELECOMMUNICATIONS	2703%
WATER RESOURCES	2703%
CARDIAC CARDIOVASCULAR SYSTEMS	2162%
MATHEMATICAL COMPUTATIONAL BIOLOGY	2162%
PHYSICS CONDENSED MATTER	2162%
ENGINEERING MULTIDISCIPLINARY	1622%
GEOSCIENCES MULTIDISCIPLINARY	1622%
INSTRUMENTS INSTRUMENTATION	1622%
LIMNOLOGY	1622%
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	1622%
STATISTICS PROBABILITY	1622%

³ Una referència pot haver estat indexada sota dos o més categories temàtiques

BIOLOGY	1081%
ENGINEERING CHEMICAL	1081%
MATERIALS SCIENCE BIOMATERIALS	1081%
MEDICAL INFORMATICS	1081%
MEDICINE RESEARCH EXPERIMENTAL	1081%
PHYSICS NUCLEAR	1081%
AGRONOMY	0.541 %
BIOCHEMICAL RESEARCH METHODS	0.541 %
BIOCHEMISTRY MOLECULAR BIOLOGY	0.541 %
CHEMISTRY MULTIDISCIPLINARY	0.541 %
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	0.541 %
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	0.541 %
IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY	0.541 %
MANAGEMENT	0.541 %
MATERIALS SCIENCE CERAMICS	0.541 %
MATERIALS SCIENCE COMPOSITES	0.541 %
NANOSCIENCE NANOTECHNOLOGY	0.541 %
OPERATIONS RESEARCH MANAGEMENT SCIENCE	0.541 %
PHYSICS PARTICLES FIELDS	0.541 %
PHYSIOLOGY	0.541 %
POLYMER SCIENCE	0.541 %
PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH	0.541 %
RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING	0.541 %
REMOTE SENSING	0.541 %
ROBOTICS	0.541 %
SOIL SCIENCE	0.541 %

3. Coautorías UPC / Brown University

<p>Title: A finite thickness band method for ductile fracture analysis Author(s): Huespe, A. E.; Needleman, A.; Oliver, J.; et al. Source: INTERNATIONAL JOURNAL OF PLASTICITY Volume: 25 Issue: 12 Pages: 2349-2365 DOI: 10.1016/j.ijplas.2009.03.005 Published: DEC 2009 Times Cited: 10 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: A comparative study of desktop, fishtank, and cave systems for the exploration of volume rendered confocal data sets Author(s): Prabhat; Forsberg, Andrew; Katzourin, Michael; Slater, M.; et al. Source: IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS Volume: 14 Issue: 3 Pages: 551-563 DOI: 10.1109/TVCG.2007.70433 Published: MAY-JUN 2008 Times Cited: 4 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: Design and implementation of message-passing services for the Blue Gene/L supercomputer Author(s): Almasi, G; Archer, C; Castanos, JG; Martorell, X.; et al. Source: IBM JOURNAL OF RESEARCH AND DEVELOPMENT Volume: 49 Issue: 2-3 Pages: 393-406 Published: MAR-MAY 2005 Times Cited: 18 (from Web of Science)</p> <p>[View abstract]</p>

4. Coautories UPC / University of Chicago

<p>Title: SPIn: Model Selection for Phylogenetic Mixtures via Linear Invariants Author(s): Kedzierska, A. M.; Drton, M.; Guigo, R.; et al. Source: MOLECULAR BIOLOGY AND EVOLUTION Volume: 29 Issue: 3 Pages: 929-937 DOI: 10.1093/molbev/msr259 Published: MAR 2012 Times Cited: 0 (from Web of Science)</p> <p>[ View abstract]</p>
<p>Title: Structure of the DNA coiled coil formed by d(CGATATATATAT) Author(s): De Luchi, D; Tereshko, V; Gouyette, C; Subirana, JA. et al. Source: CHEMBIOCHEM Volume: 7 Issue: 4 Pages: 585-587 DOI: 10.1002/cbic.200500449 Published: APR 2006 Times Cited: 10 (from Web of Science)</p>
<p>Title: The frequency of occurrence of novae hosting an ONE white dwarf Author(s): Gil-Pons, P; Garcia-Berro, E; Jose, J; M. Hernanz, et al. Source: ASTRONOMY & ASTROPHYSICS Volume: 407 Issue: 3 Pages: 1021-1028 DOI: 10.1051/0004-6361:20030852 Published: SEP 2003 Times Cited: 23 (from Web of Science)</p> <p>[ View abstract]</p>
<p>Title: Presolar grains from novae. Author(s): Amari, S; Gao, X; Nittler, LR; Jose, J; M. Hernanz ; et al. Source: METEORITICS & PLANETARY SCIENCE Volume: 35 Supplement: S Pages: A20-A21 Published: SEP 2000 Times Cited: 0 (from Web of Science)</p>

5. Coautories UPC / Northwestern University

<p>Title: Fine-Grain Voltage Tuned Cache Architecture for Yield Management Under Process Variations</p> <p>Author(s): Kong, Joonho; Pan, Yan; Ozdemir, Serkan; et al.</p> <p>Source: IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRATION (VLSI) SYSTEMS Volume: 20 Issue: 8 Pages: 1532-1536 DOI: 10.1109/TVLSI.2011.2159634 Published: AUG 2012</p> <p>Times Cited: 0 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: Rationality, Irrationality and Escalating Behavior in Lowest Unique Bid Auctions</p> <p>Author(s): Radicchi, Filippo; Baronchelli, Andrea; Amaral, Luis A. N.</p> <p>Source: PLOS ONE Volume: 7 Issue: 1 Article Number: e29910 DOI: 10.1371/journal.pone.0029910 Published: JAN 18 2012</p> <p>Times Cited: 2 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: Multiscale simulation of fracture of braided composites via repetitive unit cells</p> <p>Author(s): Smilauer, Vit; Hoover, Christian G.; Bazant, Zdenek P.; Caner, Ferhun C et al.</p> <p>Source: ENGINEERING FRACTURE MECHANICS Volume: 78 Issue: 6 Pages: 901-918 DOI: 10.1016/j.engfracmech.2010.10.013 Published: APR 2011</p> <p>Times Cited: 3 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: Microplane Model for Fracturing Damage of Triaxially Braided Fiber-Polymer Composites</p> <p>Author(s): Caner, Ferhun C.; Bazant, Zdenek P.; Hoover, Christian G.; et al.</p> <p>Source: JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME Volume: 133 Issue: 2 Article Number: 021024 DOI: 10.1115/1.4003102 Published: APR 2011</p> <p>Times Cited: 0 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR</p> <p>Author(s): Rodriguez, D.; Blaum, K.; Noertershaeuser, W.; Gomez-Hornillos, M. B; et al.</p> <p>Source: EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 183 Pages: 1-123 DOI: 10.1140/epjst/e2010-01231-2 Published: MAY 2010</p> <p>Times Cited: 18 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: A Framework for the Simulation and Haptic Display of Dynamic Systems Subject to Holonomic Constraints</p> <p>Author(s): Rodriguez, A.; Basanez, L.; Colgate, J. Edward; et al.</p> <p>Source: INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH Volume: 29 Issue: 4 Pages: 336-352 DOI: 10.1177/0278364909104841 Published: APR 2010</p> <p>Times Cited: 1 (from Web of Science)</p> <p>[View abstract]</p>
<p>Title: Scaling of Strength of Metal-Composite Joints-Part I: Experimental Investigation</p>

Author(s): Yu, Qiang; Bazant, Zdenek P.; Bayldon, John; **Caner, Ferhun C** et al.
Source: JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME Volume: 77 Issue: 1 Article Number: 011011 DOI: 10.1115/1.3172254 Published: JAN 2010
Times Cited: 1 (from Web of Science)

[ View abstract]

Title: **Size effect on strength of laminate-foam sandwich plates: Finite element analysis with interface fracture**
Author(s): **Caner, Ferhun C.**; Bazant, Zdenek P.
Source: COMPOSITES PART B-ENGINEERING Volume: 40 Issue: 5 Pages: 337-348 DOI: 10.1016/j.compositesb.2009.03.005 Published: JUL 2009
Times Cited: 7 (from Web of Science)

[ View abstract]

Title: **Hydrogeophysical Approach for Identification of Layered Structures of the Vadose Zone from Electrical Resistivity Data**
Author(s): Tartakovsky, Alexandre M.; **Bolster, Diogo**; Tartakovsky, Daniel M.
Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 4 Pages: 1207-1214 DOI: 10.2136/vzj2008.0009 Published: NOV 2008
Times Cited: 0 (from Web of Science)

[ View abstract]

Title: **On constitutive modelling of porous neo-Hookean composites**
Author(s): Guo, Zaoyang; **Caner, Ferhun**; Peng, Xiongqi; et al.
Source: JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS Volume: 56 Issue: 6 Pages: 2338-2357 DOI: 10.1016/j.jmps.2007.12.007 Published: JUN 2008
Times Cited: 15 (from Web of Science)

[ View abstract]

Title: **Electromagnetic compatibility analysis of unstructured mains networks for high-speed data transmission: Part 2**
Author(s): Battermann, S.; Garbe, H.; **Silva, F.**; **Pous, M.**..et al.
Source: IET SCIENCE MEASUREMENT & TECHNOLOGY Volume: 2 Issue: 3 Pages: 154-159 DOI: 10.1049/iet-smt:20070056 Published: MAY 2008
Times Cited: 0 (from Web of Science)

[ View abstract]

Title: **Hyperelastic anisotropic microplane constitutive model for annulus fibrosus**
Author(s): **Caner, Ferhun C.**; Guo, Zaoyang; Moran, Brian; **Carol, I.**et al.
Source: JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME Volume: 129 Issue: 5 Pages: 632-641 DOI: 10.1115/1.2768378 Published: OCT 2007
Times Cited: 10 (from Web of Science)

[ View abstract]

Title: **Negative differential resistance and sample conductivity in polypyrrole films**
Author(s): **Gomis, V.**; Bellver, D.; **Ferrer-Anglada, N.**; et al.
Source: SYNTHETIC METALS Volume: 156 Issue: 16-17 Pages: 1083-1089 DOI: 10.1016/j.synthmet.2006.07.001 Published: AUG 1 2006
Times Cited: 2 (from Web of Science)

[ View abstract]

Title: **Ghost stochastic resonance with distributed inputs in pulse-coupled electronic neurons**
Author(s): **Lopera, A.**; Buldu, JM; **Torrent, MC**; **Garcia-Ojalvo, J** et al.
Source: PHYSICAL REVIEW E Volume: 73 Issue: 2 Article Number: 021101 DOI: 10.1103/PhysRevE.73.021101 Part: Part 1 Published: FEB 2006
Times Cited: 12 (from Web of Science)

[ View abstract]

Title: **Continuum mechanics modeling and simulation of carbon nanotubes**

Author(s): Arroyo, M; Belytschko, T

Source: MECCANICA Volume: 40 Issue: 4-6 Pages: 455-469 DOI: 10.1007/s11012-005-2133-y Published: DEC 2005

Times Cited: 22 (from Web of Science)

[ View abstract]

Title: **Molecular mechanism of the red form of bacteriorhodopsin. Contribution of extracellular Glu residues to the structural stability and assembly.**

Author(s): Lazarova, T; Robinson, C; Koynova, R; Sepulcre F et al.

Conference: 48th Annual Meeting of the Biophysical Society Location: Baltimore, MD Date: FEB 14-18, 2004

Sponsor(s): Biophys Soc

Source: BIOPHYSICAL JOURNAL Volume: 86 Issue: 1 Supplement: S Pages: 614A-614A Part: Part 2 Published: JAN 2004

Times Cited: 0 (from Web of Science)

Title: **A comparison of two formulations to blend finite elements and mesh-free methods**

Author(s): Huerta, A; Fernandez-Mendez, S; Liu, WK

Source: COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING Volume: 193 Issue: 12-14 Pages: 1105-1117 DOI: 10.1016/j.cma.2003.12.009 Published: 2004

Times Cited: 11 (from Web of Science)

[ View abstract]

Title: **A framework for microplane models at large strain, with application to hyperelasticity**

Author(s): Carol, I; Jirasek, M; Bazant, ZP

Source: INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES Volume: 41 Issue: 2 Pages: 511-557 DOI: 10.1016/S0020-7683(03)00416-5 Published: JAN 2004

Times Cited: 14 (from Web of Science)

[ View abstract]

Title: **Ghost resonance in a semiconductor laser with optical feedback**

Author(s): Buldu, JM; Chialvo, DR; Mirasso, CR; Torrent, MC; Garcia-Ojalvo, J et al.

Source: EUROPHYSICS LETTERS Volume: 64 Issue: 2 Pages: 178-184 DOI: 10.1209/epl/i2003-00285-3 Published: OCT 2003

Times Cited: 16 (from Web of Science)

[ View abstract]

Title: **Astrophysical rate of O-15(alpha,gamma)Ne-19 via the (p, t) reaction in inverse kinematics**

Author(s): Davids, B; van den Berg, AM; Dendooven, P; Hernanz, M ; Jose, J et al.

Source: PHYSICAL REVIEW C Volume: 67 Issue: 6 Article Number: 065808 DOI: 10.1103/PhysRevC.67.065808 Published: JUN 2003

Times Cited: 34 (from Web of Science)

[ View abstract]

Title: **Report on ONR Workshop on Fracture Scaling**

Author(s): Bazant, ZP; Rajapakse, YDS; Allen, DH; Gettu, R. et al.

Source: INTERNATIONAL JOURNAL OF FRACTURE Volume: 113 Issue: 4 Pages: 345-366 DOI: 10.1023/A:1014293822196 Published: FEB 2002

Times Cited: 3 (from Web of Science)

[ View abstract]

Title: **Static and dynamic locality optimizations using integer linear programming**

Author(s): Kandemir, M; Banerjee, P; Choudhary, A; Ayguade, E et al.

Source: IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS Volume: 12 Issue: 9 Pages: 922-941 DOI: 10.1109/TPDS.2001.1184186 Published: SEP 2001 Times Cited: 8 (from Web of Science)

[ View abstract]

Title: **Analysis of the impedance spectra of short conductive fiber-reinforced composites**

Author(s): **Torrents, JM**; Mason, TO; Peled, A; et al.

Source: JOURNAL OF MATERIALS SCIENCE Volume: 36 Issue: 16 Pages: 4003-4012 DOI: 10.1023/A:1017986608910 Published: AUG 2001

Times Cited: 34 (from Web of Science)

[ View abstract]

Title: **A thermodynamically consistent approach to microplane theory. Part I. Free energy and consistent microplane stresses**

Author(s): **Carol, I**; Jirasek, M; Bazant, Z

Source: INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES Volume: 38 Issue: 17 Pages: 2921-2931 DOI: 10.1016/S0020-7683(00)00212-2 Published: APR 2001

Times Cited: 34 (from Web of Science)

[ View abstract]

Title: **Evolution of impedance spectra during debonding and pullout of single steel fibers from cement**

Author(s): **Torrents, JM**; Easley, TC; Faber, KT; et al.

Source: JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 84 Issue: 4 Pages: 740-746 DOI: 10.1111/j.1151-2916.2001.tb00735.x Published: APR 2001

Times Cited: 3 (from Web of Science)

[ View abstract]

Title: **Microplane model M4 for concrete. I: Formulation with work-conjugate deviatoric stress**

Author(s): Bazant, ZP; **Caner, FC**; **Carol, I**; et al.

Source: JOURNAL OF ENGINEERING MECHANICS-ASCE Volume: 126 Issue: 9 Pages: 944-953 Published: SEP 2000

Times Cited: 107 (from Web of Science)

[ View abstract]

Title: **Large-strain generalization of microplane model for concrete and application**

Author(s): Bazant, ZP; Adley, MD; **Carol, I**; **Caner, FC**; et al.

Source: JOURNAL OF ENGINEERING MECHANICS-ASCE Volume: 126 Issue: 9 Pages: 971-980 Published: SEP 2000

Times Cited: 25 (from Web of Science)

[ View abstract]

Title: **Impedance spectra of fiber-reinforced cement-based composites - A modeling approach**

Author(s): **Torrents, JM**; Mason, TO; Garboczi, EJ

Source: CEMENT AND CONCRETE RESEARCH Volume: 30 Issue: 4 Pages: 585-592 DOI: 10.1016/S0008-8846(00)00211-8 Published: APR 2000

Times Cited: 28 (from Web of Science)

[ View abstract]

Title: **Damage and plasticity in microplane theory**

Author(s): **Carol, I**; Bazant, ZP

Source: INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES Volume: 34 Issue: 29 Pages: 3807-3835 DOI: 10.1016/S0020-7683(96)00238-7 Published: OCT 1997

Times Cited: 72 (from Web of Science)

[ View abstract]

Title: **Tangential stiffness of elastic materials with systems of growing or closing cracks**
Author(s): **Prat, PC; Bazant, ZP**
Source: JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS Volume: 45 Issue: 4 Pages: 611-636 DOI: 10.1016/S0022-5096(96)00127-5 Published: APR 1997
Times Cited: 14 (from Web of Science)

[[View abstract](#)]

Title: **Testing of concrete under closed-loop control**
Author(s): **Gettu, R; Mobasher, B; Carmona, S; et al.**
Source: ADVANCED CEMENT BASED MATERIALS Volume: 3 Issue: 2 Pages: 54-71 DOI: 10.1016/1065-7355(95)00058-5 Published: MAR 1996
Times Cited: 14 (from Web of Science)

[[View abstract](#)]

Title: **INTERNATIONAL RILEM WORKSHOP ON TECHNOLOGY-TRANSFER OF THE NEW TRENDS IN CONCRETE (CONTECH-94) - BARCELONA, SPAIN, 7-9-NOVEMBER-1994**
Author(s): **SHAH, SP; AGUADO, A; GETTU, R**
Source: MATERIALS AND STRUCTURES Volume: 28 Issue: 177 Pages: 183-185 DOI: 10.1007/BF02473224 Published: APR 1995
Times Cited: 0 (from Web of Science)

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