

**Articles indexats
publicats per
investigadors del
Campus Terrassa:
2012**



**UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH**

Campus de Terrassa



INTRODUCCIÓ

Aquesta pàgina recull els [221 treballs publicats](#) per [216 investigadors/es](#) del Campus de Terrassa en revistes indexades al Journal Citation Report durant el 2012 ([nota metodològica](#)).

[Journal Citation Report](#) és una base de dades, elaborada per l'Institute of Scientific Information, que ofereix un mitjà objectiu i sistemàtic per a avaluar de manera crítica les publicacions capdavanteres mundials. Disponible en edició de ciències i edició de ciències socials, JCR Web cobreix més de 10.000 de les publicacions revisades per coetanis més citades del món d'aproximadament 200 disciplines. És una eina essencial per a bibliotecaris, editors, autors, professors i estudiants, analistes de la informació i altres persones que necessitin conèixer l'impacte i la influència d'una publicació sobre la comunitat investigadora global.



SUMARI

Autors 2012 

Articles 2012 

Autors més prolífics 

Revistes amb més articles 

Articles amb més impacte 

Articles més citats 

Institucions amb més col·laboracions 

Països amb més col·laboracions 

Àrees temàtiques amb més articles 

Articles més citats 2008-2012 

Autors més prolífics 2008-2012 

Articles 2008-2012 



Autors 2012



[Abad Adan](#), Elena ([116](#))
[Abril Baez](#), Hector C. ([111](#), [141](#))
[Abt](#), Tobias Martin ([1](#))
[Adrados Ruiz](#), Barbara ([45](#), [140](#))
[Agusti Adalid](#), Gemma ([44](#), [45](#))
[Albareda Sambola](#), Maria ([3](#))
[Aldaba Arevalo](#), Mikel ([4](#))
[Algaba Joaquin](#), Ines Maria ([37](#))
[Alvarez Del Castillo](#), Javier ([176](#))
[Alvarez Del Castillo](#), M. Dolores ([75](#))
[Amante Garcia](#), Beatriz ([8](#), [203](#))
[Amer Ramon](#), Rafael ([9](#))
[Andrade Rengifo](#), Fabio ([33](#))
[Andreu Terren](#), Gloria ([19](#))
[Antunes](#), Marcelo de Sousa Pais ([10](#), [14](#), [17](#), [77](#), [185](#))
[Aracri](#), Elisabetta ([11](#), [12](#), [13](#), [15](#), [19](#))
[Arasa Martí](#), Jose ([36](#), [52](#))
[Ardanuy Raso](#), Monica ([14](#), [15](#), [16](#))
[Arencon Osuna](#), David ([17](#), [66](#), [113](#))
[Ares Rodriguez](#), Miguel ([36](#))
[Arjona Carbonell](#), M^{re} Montserrat ([4](#), [134](#), [197](#))

[Balcells Sendra](#), Josep ([122](#), [139](#), [170](#))
[Belana Punseti](#), Juan ([181](#))
[Berbel Artal](#), Nestor ([139](#))
[Bergada Granyó](#), Josep Maria ([24](#), [25](#))
[Bernat Maso](#), Ernest ([26](#))
[Bogarra Rodriguez](#), Santiago ([31](#), [137](#))
[Bogonez Franco](#), Francisco ([122](#))
[Borrell Pol](#), Ricard ([104](#))
[Botey Cumella](#), Muriel ([85](#), [102](#), [108](#))
[Bravo Ibarra](#), Edna Rocio ([203](#))
[Busquets Monge](#), Sergio ([159](#))

[Calafell Montfort](#), Margarita ([161](#), [162](#))
[Calventus Sole](#), Yolanda ([89](#), [164](#), [181](#), [212](#))
[Canal Arias](#), Jose Maria ([103](#))
[Canal Barnils](#), Cristina ([103](#))
[Cano Casas](#), Francisco ([32](#))
[Cante Teran](#), Juan Carlos ([83](#), [210](#))
[Cañadas Lorenzo](#), Juan Carlos ([181](#))
[Cardenas Araujo](#), Juan Jose ([33](#))
[Cardona Torradeflot](#), Genis ([34](#), [78](#), [95](#), [134](#), [136](#))
[Carreras Escobar](#), Francisco ([35](#))
[Carreras Parera](#), Nuria ([112](#))
[Casals Casanova](#), Miquel ([61](#), [71](#))
[Castilla Lopez](#), Roberto ([46](#), [69](#))
[Castro Gonzalez](#), Jesus ([100](#))
[Caum Aregay](#), Jesus Maria ([36](#))
[Cayuela Marin](#), Diana ([37](#))
[Ceballos Recio](#), Salvador ([148](#))
[Codina Macia](#), Esteban ([46](#), [69](#), [70](#))
[Codony Iglesias](#), Francesc ([44](#), [45](#), [60](#), [140](#))



[Cojocarú](#), Crina Maria ([183](#), [184](#))
[Colom Fajula](#), Xavier ([125](#))
[Colom Pastor](#), Josep Francesc ([74](#))
[Colomer Vilanova](#), Pere ([164](#), [181](#), [212](#))
[Corbalan Fuertes](#), Montserrat ([31](#))
[Crespi Rosell](#), Martín ([109](#))
[Cruz Solis](#), Juan Jose ([121](#))

[Del Campo Sud](#), David ([46](#), [69](#))
[Delgado Prieto](#), Miquel ([208](#))
[Deza](#), Juan Ignacio ([91](#))
[Diaz Blanco](#), Carlos ([47](#), [48](#))
[Diego Vives](#), Jose Antonio ([181](#))
[Domedel Puig](#), Nuria ([168](#))

[Enache](#), Cristina Mihaela ([54](#))
[Escobet Canal](#), Teresa ([189](#))

[Fernandez Alarcon](#), Vicenç ([54](#))
[Fernandez Garcia](#), Raul ([122](#), [139](#), [169](#))
[Fernandez Martinez](#), Daniel ([53](#), [79](#))
[Fillat Latorre](#), Amanda ([56](#), [57](#))
[Fillat Latorre](#), Ursula ([58](#), [59](#), [209](#))
[Fittipaldi Gustavino](#), Mariana ([44](#), [45](#), [60](#), [140](#))
[Font Andreu](#), Jorge ([84](#), [211](#))
[Font Piera](#), Antonio ([31](#))
[Forcada Matheu](#), Nuria ([61](#))
[Fraga Rivas](#), Iria ([89](#))
[Francesko](#), Antonio ([49](#), [64](#))
[Freire Venegas](#), Francisco Javier ([70](#))
[Fuertes Casals](#), Alba ([61](#))

[Gago Barrio](#), Javier ([122](#), [139](#))
[Galvez Carrillo](#), Maria Immaculada ([67](#), [68](#))
[Gamez Montero](#), Pedro Javier ([46](#), [69](#), [70](#))
[Gangolells Solanellas](#), Marta ([61](#), [71](#))
[Garcia Espinosa](#), Antonio ([33](#))
[Garcia Ojalvo](#), Jorge ([18](#), [73](#), [80](#), [116](#), [128](#), [168](#), [179](#), [188](#))
[Garcia Ubasart](#), Jordi ([74](#))
[Garcia Vilchez](#), Mercedes ([70](#))
[Garrido Soriano](#), Nuria ([75](#))
[Garriga Sole](#), Pere ([115](#), [154](#), [177](#))
[Gil Espert](#), Lluís ([26](#), [62](#), [121](#))
[Gil Gali](#), Ignacio ([122](#), [139](#), [169](#))
[Gonzalez Diez](#), David ([122](#), [139](#))
[Gorobets](#), Andrei ([94](#))
[Guaus Guerrero](#), Ester ([87](#), [88](#))
[Guisasola Valencia](#), Laura ([221](#))
[Guitart Morales](#), Xavier ([81](#), [82](#))
[Gutierrez Bouzan](#), Maria Carmen ([109](#), [156](#), [172](#), [173](#), [198](#))

[Hernandez Abad](#), Francisco ([84](#), [211](#))
[Hernandez Abad](#), Vicente ([84](#), [211](#))
[Hernandez Diaz](#), David ([84](#), [211](#))
[Hernandez Ortega](#), Joaquin Alberto ([83](#))
[Herrero Simon](#), Ramon ([85](#), [86](#), [102](#), [108](#))
[Hoyo Perez](#), Javier ([87](#), [88](#))
[Hutchinson](#), John M. ([89](#), [107](#), [164](#))



[Jaramillo Ibarra](#), Julian Ernesto ([93](#), [94](#))
[Julio Moran](#), Gemma ([95](#), [96](#), [97](#), [98](#))

[Kizildag](#), Deniz ([100](#))

[Labay](#), Cedric Pierre ([103](#))
[Lehmkuhl Barba](#), Oriol ([104](#))
[Leseduarte Milan](#), Maria Carmen ([105](#))
[Lis Arias](#), Manuel Jose ([112](#))
[Lluch Margarit](#), Sara ([95](#), [96](#), [97](#))
[Lopez Grimau](#), Victor ([8](#), [109](#), [198](#))
[Luna Alloza](#), Alvaro ([155](#), [158](#), [160](#), [187](#), [204](#))

[Macanas de Benito](#), Jorge ([5](#), [6](#), [7](#), [21](#), [50](#))
[Macarulla Marti](#), Marcel ([61](#))
[Magaña Nieto](#), Antonio ([9](#))
[Mañosa Fernandez](#), Victor ([42](#), [43](#), [76](#))
[Marce Nogue](#), Jordi ([26](#), [62](#), [63](#))
[Marin Genesca](#), Marcos ([125](#), [126](#), [127](#))
[Marques Calvo](#), Maria Soledad ([161](#), [162](#))
[Marrugo Hernandez](#), Andres Guillermo ([111](#))
[Martinez Benasat](#), Antonio ([2](#), [17](#), [66](#), [113](#))
[Martorell Pena](#), Jordi ([27](#), [41](#), [200](#))
[Masoller Alonso](#), Cristina ([142](#), [180](#), [186](#))
[Merindano Encina](#), Maria Dolores ([95](#), [96](#), [97](#), [98](#))
[Millan Garcia Varela](#), Maria Sagrario ([111](#), [117](#), [141](#), [165](#))
[Mon Gonzalez](#), Juan ([122](#), [139](#))
[Morales Ruiz](#), Sergio ([123](#))
[Morato Farreras](#), Jordi ([44](#), [45](#), [140](#))
[Moreno Eguilaz](#), Juan Manuel ([175](#))
[Mударra Lopez](#), Miguel ([181](#))
[Mujal Rosas](#), Ramon Maria ([124](#), [125](#), [126](#), [127](#))
[Muñoz Aguilar](#), Raul Santiago ([51](#), [159](#), [160](#))

[Navarro Flores](#), Andres Francisco ([129](#))
[Nejjari Akhi-elarab](#), Fatiha ([167](#))

[Ocampo Martinez](#), Carlos Augusto ([189](#), [216](#), [217](#))
[Ochoa Vives](#), Manuel ([84](#), [211](#))
[Oliet Casasayas](#), Carles ([93](#))
[Oliva Llana](#), Asensio ([94](#), [104](#), [123](#), [202](#))
[Ondategui Parra](#), Juan Carlos ([134](#), [197](#))
[Orrit Prat](#), Jordi ([125](#), [126](#), [127](#))

[Pares Sabates](#), Ferran ([15](#))
[Perez Cabre](#), Elisabet ([141](#))
[Perez Magrane](#), Ramon ([130](#))
[Perez Robles](#), Daniel ([139](#))
[Perez Segarra](#), Carlos David ([94](#), [104](#))
[Pigolotti](#), Simone ([23](#), [39](#), [106](#), [144](#), [145](#), [166](#), [199](#), [205](#), [206](#), [207](#))
[Pons Pons](#), Marc ([147](#))
[Pons Rivero](#), Antonio Javier ([80](#), [146](#), [168](#))
[Pou Felix](#), Josep ([148](#))
[Puig Cayuela](#), Vicenç ([29](#), [30](#), [189](#), [216](#))
[Pujol Ramo](#), Jaume ([4](#), [20](#), [134](#), [197](#))
[Pujol Vives](#), Pere ([96](#), [97](#))

[Quevedo Junyent](#), Luisa Jesus ([136](#))
[Quintana Vilajuana](#), Elisabet ([55](#), [195](#))
[Quintanilla de Latorre](#), Ramon ([90](#), [105](#), [119](#), [135](#), [149](#), [150](#), [151](#), [152](#), [153](#))



[Rallo Capdevila](#), Miguel ([98](#))
[Ramon Portés](#), Eva ([154](#), [177](#))
[Raush Alviach](#), Gustavo Adolfo ([46](#), [69](#), [70](#))
[Realinho](#), Vera Cristina de Redondo ([10](#), [77](#))
[Riera Torres](#), Miquel Antoni ([156](#))
[Rigola Serrano](#), Joaquim ([93](#), [123](#))
[Riu Gras](#), Jordi ([157](#))
[Rius Ulldemolins](#), Anna ([221](#))
[Riva Juan](#), Maria Carmen ([110](#), [132](#))
[Roca Ramon](#), Xavier ([61](#))
[Rocabert Delgado](#), Joan ([158](#))
[Rocasalbas Lozano](#), Guillermo ([49](#))
[Rodriguez Contreras](#), Alejandra Maria ([161](#), [162](#))
[Rodriguez Cortes](#), Pedro ([22](#), [72](#), [114](#), [155](#), [158](#), [159](#), [160](#), [182](#), [187](#), [204](#))
[Rodriguez Perez](#), Ivette Maria ([93](#), [100](#), [104](#), [123](#))
[Rolan Blanco](#), Alejandro ([137](#), [163](#))
[Roman Concha](#), Frida Rosario ([164](#), [181](#))
[Romeral Martínez](#), José Luis ([33](#), [174](#), [175](#), [192](#), [208](#))
[Roncero Vivero](#), Maria Blanca ([56](#), [57](#), [58](#), [59](#), [74](#), [195](#))
[Roppo](#), Vito ([99](#), [178](#), [183](#), [184](#), [213](#), [214](#), [215](#))
[Rosas Casals](#), Marti ([75](#), [147](#))
[Royo Royo](#), Santiago ([36](#), [157](#))
[Rue Queralt](#), Pau ([18](#), [128](#), [168](#))

[Sala Caselles](#), Vicente Miguel ([174](#), [175](#))
[Sala Gastón](#), Mireia ([172](#), [173](#))
[Sallan Leyes](#), Jose Maria ([54](#))
[Saludes Closa](#), Jordi ([29](#), [30](#))
[Sanchez Soto](#), Miguel ([1](#), [2](#), [40](#), [118](#), [196](#))
[Sanz Carrasco](#), Fausto ([87](#))
[Sarrate Estruch](#), Ramon ([167](#))
[Sellares Gonzalez](#), Jordi ([181](#))
[Shiravand](#), Fatemeh ([89](#))
[Simo Guzman](#), Jose ([54](#))
[Staliunas](#), Kestutis ([38](#), [65](#), [85](#), [101](#), [102](#), [108](#), [143](#))
[Sureda Carbonell](#), Bàrbara ([147](#))

[Tamayo Avila](#), Idalberto ([131](#))
[Tornero Garcia](#), Jose Antonio ([32](#))
[Tornil Sin](#), Sebastian ([189](#))
[Torrades Carne](#), Francesc ([28](#))
[Torrent Burgues](#), Juan ([87](#), [88](#), [190](#), [191](#))
[Torrent Serra](#), Maria del Carmen ([179](#), [188](#))
[Tourinho Eirin](#), Sonia ([49](#))
[Trias Miquel](#), Francesc Xavier ([94](#), [202](#))
[Trull Silvestre](#), Jose Francisco ([184](#))
[Tzanov](#), Tzanko ([47](#), [48](#), [49](#), [64](#), [138](#))

[Urresty Betancourt](#), Julio César ([192](#), [208](#))

[Valderrama Angel](#), Cesar Alberto ([193](#), [194](#), [218](#), [219](#), [220](#))
[Valldeperas Morell](#), Jose ([109](#), [112](#))
[Valls Vidal](#), Cristina ([12](#), [195](#))
[Varon Puentes](#), Maria Consuelo ([78](#))
[Velasco Perero](#), Jose Ignacio ([10](#), [14](#), [16](#), [17](#), [77](#), [171](#), [185](#))
[Vidal Lluçia](#), Teresa ([11](#), [12](#), [13](#), [15](#), [19](#), [55](#), [56](#), [57](#), [74](#), [120](#))
[Vila Babarro](#), Carlos ([74](#))
[Vilaseca Alavedra](#), Ramon ([142](#))
[Vilaseca Ricart](#), Meritxell ([4](#), [20](#), [134](#), [197](#))



[Weyler Perez](#), Rafael ([83](#), [133](#), [210](#))

[Zamora Munt](#), Jordi ([201](#))

[Zaragoza Bertomeu](#), Jordi ([148](#))

[Zhang](#), Hao ([202](#))



Articles 2012



1. [Abt, T.](#); [Sanchez-Soto, M.](#); [Martinez, A.](#) [Toughening of in Situ Polymerized Cyclic Butylene Terephthalate by Chain Extension with a Bifunctional Epoxy Resin](#). *European Polymer Journal*, JAN, 2012, vol. 48, no. 1, pp. 163-171. ISSN 0014-3057.
Factor impacte 2012 = 2.562
2. [Agirregomezkorta, A.](#), [Martinez, A.B.](#); [Sanchez-Soto, M.](#); [Aretxaga, G.](#); [Sarrionandia, M.](#); [Aurrekoetxea, J.](#) [Impact Behaviour of Carbon Fibre Reinforced Epoxy and Non-Isothermal Cyclic Butylene Terephthalate Composites Manufactured by Vacuum Infusion](#). *Composites Part B-Engineering*, JUL, 2012, vol. 43, no. 5, pp. 2249-2256. ISSN 1359-8368.
Factor impacte 2012 = 2.143
3. [Albareda-Sambola, M.](#); [Fernández, E.](#); [Nickel, S.](#) [Multiperiod Location-Routing with Decoupled Time Scales](#). *European Journal of Operational Research*, MAR 1, 2012, vol. 217, no. 2, pp. 248-258. ISSN 0377-2217.
Factor impacte 2012 = 2.038
4. [Aldaba, M.](#); [Vilaseca, M.](#); [Diaz-Douton, F.](#); [Arjona, M.](#); [Pujol, J.](#) [Measuring the Accommodative Response with a Double-Pass System: Comparison with the Hartmann-Shack Technique](#). *Vision Research*, JUN 1, 2012, vol. 62, pp. 26-34. ISSN 0042-6989.
Factor impacte 2012 = 2.137
5. [Alonso, A.](#); [Munoz-Berbel, X.](#); [Vigues, N.](#); [Macanas, J.](#); [Munoz, M.](#); [Mas, J.](#); [Muraviev, D.N.](#) [Characterization of Fibrous Polymer Silver/Cobalt Nanocomposite with Enhanced Bactericide Activity](#). *Langmuir*, JAN 10, 2012, vol. 28, no. 1, pp. 783-790. ISSN 0743-7463.
Factor impacte 2012 = 4.187
6. [Alonso, A.](#); [Munoz-Berbel, X.](#); [Vigues, N.](#); [Rodriguez-Rodriguez, R.](#); [Macanas, J.](#); [Mas, J.](#); [Munoz, M.](#); [Muraviev, D.N.](#) [Intermatrix Synthesis of Monometallic and Magnetic metal/metal Oxide Nanoparticles with Bactericidal Activity on Anionic Exchange Polymers](#). *RSC Advances*, 2012, vol. 2, no. 11, pp. 4596-4599. ISSN 2046-2069.
Factor impacte 2012 = 2.562
7. [Alonso, A.](#); [Shafir, A.](#); [Macanas, J.](#); [Vallribera, A.](#); [Munoz, M.](#); [Muraviev, D.N.](#) [Recyclable Polymer-Stabilized Nanocatalysts with Enhanced Accessibility for Reactants](#). *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 200-206. ISSN 0920-5861.
Factor impacte 2012 = 2.980
8. [Amante, B.](#); [Lopez, V.](#) [Rentabilidad y revalorización del sector agrícola](#). *Afinidad*, JAN-MAR, 2012, vol. 68, no. 557, pp. 18-23. ISSN 0001-9704.
Factor impacte 2012 = 0.145
9. [Amer, R.](#); [Gimenez, J.M.](#); [Magaña, A.](#) [Accessibility Measures to Nodes of Directed Graphs using Solutions for Generalized Cooperative Games](#). *Mathematical Methods of Operations Research*, FEB, 2012, vol. 75, no. 1, pp. 105-134. ISSN 1432-2994.
Factor impacte 2012 = 0.314
10. [Antunes, M.](#); [Realinho, V.](#); [Velasco, J.I.](#); [Solorzano, E.](#); [Rodríguez-Perez, M.A.](#); [De Saja, J.A.](#) [Thermal Conductivity Anisotropy in Polypropylene Foams Prepared by Supercritical CO₂ Dissolution](#). *Materials Chemistry and Physics*, SEP 14, 2012, vol. 136, no. 1, pp. 268-276. ISSN 0254-0584.
Factor impacte 2012 = 2.072
11. [Aracri, E.](#); [Barnetto, A.G.](#); [Vidal, T.](#) [Comparative Study of the Effects Induced by Different Laccase-Based Systems on Sisal Cellulose Fibers](#). *Industrial & Engineering Chemistry Research*, MAR 14, 2012, vol. 51, no. 10, pp. 3895-3902. ISSN 0888-5885.
Factor impacte 2012 = 2.206



12. [Aracri, E; Valls, C.; Vidal, T. Paper Strength Improvement by Oxidative Modification of Sisal Cellulose Fibers with Laccase-TEMPO System: Influence of the Process Variables.](#) *Carbohydrate Polymers*, APR 15, 2012, vol. 88, no. 3, pp. 830-837. ISSN 0144-8617.
Factor impacte 2012 = 3.479
13. [Aracri, E; Vidal, T. Enhancing the Effectiveness of a Laccase-TEMPO Treatment has a Biorefining Effect on Sisal Cellulose Fibres.](#) *Cellulose*, JUN, 2012, vol. 19, no. 3, pp. 867-877. ISSN 0969-0239.
Factor impacte 2012 = 3.476
14. [Ardanuy, M.; Antunes, M.; Velasco, J.I. Vegetable Fibres from Agricultural Residues as Thermo-Mechanical Reinforcement in Recycled Polypropylene-Based Green Foams.](#) *Waste Management*, FEB, 2012, vol. 32, no. 2, pp. 256-263. ISSN 0956-053X.
Factor impacte 2012 = 2.485
15. [Ardanuy, M.; Claramunt, J.; Arevalo, R.; Pares, F.; Aracri, E; Vidal, T. Nanofibrillated Cellulose \(Nfc\) as a Potential Reinforcement for High Performance Cement Mortar Composites.](#) *Bioresources*, 2012, vol. 7, no. 3, pp. 3883-3894. ISSN 1930-2126.
Factor impacte 2012 = 1.309
16. [Ardanuy, M.; Rodriguez-Perez, M.A.; De Saja, J.A.; Velasco, J.I. Foaming Behavior, Cellular Structure and Physical Properties of Polybenzoxazine Foams.](#) *Polymers for Advanced Technologies*, MAY, 2012, vol. 23, no. 5, pp. 841-849. ISSN 1042-7147.
Factor impacte 2012 = 1.635
17. [Arencon, D.; Antunes, M.; Martinez, A.B.; Velasco, J.I. Study of the Fracture Behavior of Flexible Polypropylene Foams using the Essential Work of Fracture \(EWF\).](#) *Polymer Testing*, APR, 2012, vol. 31, no. 2, pp. 217-225. ISSN 0142-9418.
Factor impacte 2012 = 1.646
18. [Asally, M.; Kittisopikul, M.; Rue, P.; Du, Y.J.; Hu, Z.X.; Cagatay, T.; Robinson, A.B.; Lu, H.B.; Garcia-Ojalvo, J.; Suel, G.M. Localized Cell Death Focuses Mechanical Forces during 3D Patterning in a Biofilm.](#) *Proceedings of the National Academy of Sciences of the United States of America*, NOV 13, 2012, vol. 109, no. 46, pp. 18891-18896. ISSN 0027-8424.
Factor impacte 2012 = 9.737
19. [Barneto, A.G.; Aracri, E; Andreu, G.; Vidal, T. Investigating the Structure-Effect Relationships of various Natural Phenols used as Laccase Mediators in the Biobleaching of Kenaf and Sisal Pulps.](#) *Bioresource Technology*, MAY, 2012, vol. 112, pp. 327-335. ISSN 0960-8524.
Factor impacte 2012 = 4.750
20. [Barrionuevo, P.A.; Colombo, E.M.; Vilaseca, M.; Pujol, J.; Issolio, L.A. Comparison between an Objective and a Psychophysical Method for the Evaluation of Intraocular Light Scattering.](#) *Journal of the Optical Society of America A-Optics Image Science and Vision*, JUL, 2012, vol. 29, no. 7, pp. 1293-1299. ISSN 1084-7529.
Factor impacte 2012 = 1.665
21. [Bastos-Arrieta, J.; Shafir, A.; Alonso, A.; Munoz, M.; ; Macanas, J.; Muraviev, D.N. Donnan Exclusion Driven Intermatrix Synthesis of Reusable Polymer Stabilized Palladium Nanocatalysts.](#) *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 207-212. ISSN 0920-5861.
Factor impacte 2012 = 2.980
22. [Beltran, H.; Etxeberria-Otadui, I.; Belenguer, E.; Rodriguez, P. Power Management Strategies and Energy Storage Needs to Increase the Operability of Photovoltaic Plants.](#) *Journal of Renewable and Sustainable Energy*, NOV 1, 2012, vol. 4, no. 6, pp. 063101. ISSN 1941-7012.
Factor impacte 2012 = 1.514
23. [Benzi, R.; Jensen, M.H.; Nelson, D.R.; Perlekar, P.; Pigolotti, S.; Toschi, F. Population Dynamics in Compressible Flows.](#) *European Physical Journal-Special Topics*, APR, 2012, vol. 204, no. 1, pp. 57-73. ISSN 1951-6355.
Factor impacte 2012 = 1.796



24. [Bergada, J. M.; Davies, D. L.; Kumar, S.; Watton, J. The Effect of Oil Pressure and Temperature on Barrel Film Thickness and Barrel Dynamics of an Axial Piston Pump. *Meccanica*, MAR, 2012, vol. 47, no. 3, pp. 639-654. ISSN 0025-6455.](#)
Factor impacte 2012 = 1.747
25. [Bergada, J. M.; Kumar, S.; Davies, D. L.; Watton, J. A Complete Analysis of Axial Piston Pump Leakage and Output Flow Ripples. *Applied Mathematical Modelling*, APR, 2012, vol. 36, no. 4, pp. 1731-1751. ISSN 0307-904X.](#)
Factor impacte 2012 = 1.706
26. [Bernat-Maso, E.; Gil, L.; Marce-Nogue, J. The Structural Performance of Arches made of Few Vossoirs with Dry-Joints. *Structural Engineering and Mechanics*, DEC 25, 2012, vol. 44, no. 6, pp. 775-799. ISSN 1225-4568.](#)
Factor impacte 2012 = 0.766
27. [Betancur, R.; Martinez-Otero, A.; Elias, X.; Romero-Gomez, P.; Colodrero, S.; Miguez, H.; Martorell, J. Optical Interference for the Matching of the External and Internal Quantum Efficiencies in Organic Photovoltaic Cells. *Solar Energy Materials and Solar Cells*, SEP, 2012, vol. 104, pp. 87-91. ISSN 0927-0248.](#)
Factor impacte 2012 = 4.630
28. [Blanco, J.; Torrades, F.; De la Varga, M.; Garcia-Montano, J. Fenton and Biological-Fenton Coupled Processes for Textile Wastewater Treatment and Reuse. *Desalination*, FEB 1, 2012, vol. 286, pp. 394-399. ISSN 0011-9164.](#)
Factor impacte 2012 = 3.041
29. [Blesa, J.; Puig, V.; Saludes, J. Robust Fault Detection using Polytope-Based Set-Membership Consistency Test. *IET Control Theory and Applications*, AUG, 2012, vol. 6, no. 12, pp. 1767-1777. ISSN 1751-8644.](#)
Factor impacte 2012 = 1.717
30. [Blesa, J.; Puig, V.; Saludes, J. Robust Identification and Fault Diagnosis Based on Uncertain Multiple Input-Multiple Output Linear Parameter Varying Parity Equations and Zonotopes. *Journal of Process Control*, DEC, 2012, vol. 22, no. 10, pp. 1890-1912. ISSN 0959-1524.](#)
Factor impacte 2012 = 1.805
31. [Bogarrra, S.; Corbalan, M.; Font, A.; Plaza, I.; Arcega, F. Lessons Learned in the use of WIRIS Quizzes to Upgrade Moodle to Solve Electrical Circuits. *IEEE Transactions on Education*, AUG, 2012, vol. 55, no. 3, pp. 412-417. ISSN 0018-9359.](#)
Factor impacte 2012 = 0.950
32. [Calleja, A.; Ricart, S.; Granados, X.; Palmer, X.; Solano, E.; Tornero, J.A.; Cano, F.; Puig, T.; Obradors, X. Epitaxial BaZrO3 Tracks by Electrospinning of Metalorganic Fibers on Single Crystals. *Crystengcomm*, 2012, vol. 14, no. 14, pp. 4686-4691. ISSN 1466-8033.](#)
Factor impacte 2012 = 3.879
33. [Cardenas, J.J.; Romeral, L.; Garcia, A.; Andrade, F. Load Forecasting Framework of Electricity Consumptions for an Intelligent Energy Management System in the User-Side. *Expert Systems with Applications*, APR, 2012, vol. 39, no. 5, pp. 5557-5565. ISSN 0957-4174.](#)
Factor impacte 2012 = 1.854
34. [Cardona, G.; Sabino-Borreguero, S.; Juarez-Escalona, E.; Fomieles, A. Visual and Refractive Outcome of Epi-LASIK for Myopia in Thin Corneas: A 12-Month Follow-Up. *European Journal of Ophthalmology*, NOV-DEC, 2012, vol. 22, no. 6, pp. 911-919. ISSN 1120-6721.](#)
Factor impacte 2012 = 0.912
35. [Carreras, F.; Puente, M.A. Symmetric Coalitional Binomial Semivalues. *Group Decision and Negotiation*, SEP, 2012, vol. 21, no. 5, pp. 637-662. ISSN 0926-2644.](#)
Factor impacte 2012 = 0.897
36. [Caum, J.; Arasa, J.; Royo, S.; Ares, M. Design of Adaptive Digital Filters for Phase Extraction in Complex Fringe Patterns obtained using the Ronchi Test. *Journal of Modern Optics*, 2012, vol. 59, no. 8, pp. 721-728. ISSN 0950-0340.](#)
Factor impacte 2012 = 1.163



37. [Cayuela, D.](#); [Montero, L.](#); [Diaz, J.](#); [Algaba, I.](#); [Manich, A.M.](#) [Microstructure Variations of Polylactide Fibres with Texturing Conditions](#). *Textile Research Journal*, NOV, 2012, vol. 82, no. 19, pp. 1996-2005. ISSN 0040-5175.
Factor impacte 2012 = 1.135
38. [Cebrecos, A.](#); [Romero-Garcia, V.](#); [Pico, R.](#); [Perez-Arjona, I.](#); [Espinosa, V.](#); [Sanchez-Morcillo, V.J.](#); [Staliunas, K.](#) [Formation of Collimated Sound Beams by Three-Dimensional Sonic Crystals](#). *Journal of Applied Physics*, MAY 15, 2012, vol. 111, no. 10, pp. 104910. ISSN 0021-8979.
Factor impacte 2012 = 2.210
39. [Chakraborty, S.](#); [Jensen, M.H.](#); [Krishna, S.](#); [Pers, B.M.](#); [Pigolotti, S.](#); [Sekara, V.](#); [Semsey, S.](#) [Limit-Cycle Oscillations and Stable Patterns in Repressor Lattices](#). *Physical Review E*, SEP 7, 2012, vol. 86, no. 3, pp. 031905. ISSN 1539-3755.
Factor impacte 2012 = 2.313
40. [Chen, H.B.](#); [Wang, Y.Z.](#); [Sanchez-Soto, M.](#); [Schiraldi, D.A.](#) [Low Flammability, Foam-Like Materials Based on Ammonium Alginate and Sodium Montmorillonite Clay](#). *Polymer*, NOV 30, 2012, vol. 53, no. 25, pp. 5825-5831. ISSN 0032-3861.
Factor impacte 2012 = 3.379
41. [Chen, T.L.](#); [Betancur, R.](#); [Ghosh, D.S.](#); [Martorell, J.](#); [Pruneri, V.](#) [Efficient Polymer Solar Cell Employing an Oxidized Ni Capped Al:ZnO Anode without the Need of Additional Hole-Transporting-Layer](#). *Applied Physics Letters*, JAN 2, 2012, vol. 100, no. 1, pp. 013310. ISSN 0003-6951.
Factor impacte 2012 = 3.794
42. [Cima, A.](#); [Gasull, A.](#); [Manosa, V.](#) [Nonautonomous Two-Periodic Gumovski-Mira Difference Equations](#). *International Journal of Bifurcation and Chaos*, NOV, 2012, vol. 22, no. 11, pp. 1250264. ISSN 0218-1274.
Factor impacte 2012 = 0.921
43. [Cima, A.](#); [Gasull, A.](#); [Manosa, V.](#) [On 2-and 3-Periodic Lyness Difference Equations](#). *Journal of Difference Equations and Applications*, 2012, vol. 18, no. 5, pp. 849-864. ISSN 1023-6198.
Factor impacte 2012 = 0.743
44. [Codony, F.](#); [Fittipaldi, M.](#); [Lopez, E.](#); [Morato, J.](#); [Agusti, G.](#) [Well Water as a Possible Source of Waddlia Chondrophila Infections](#). *Microbes and Environments*, DEC 7, 2012, vol. 27, no. 4, pp. 529-532. ISSN 1342-6311.
Factor impacte 2012 = 2.444
45. [Codony, F.](#); [Martin, L.](#); [Adrados, B.](#); [Agusti, G.](#); [Fittipaldi, M.](#); [Morato, J.](#) [Amoeba-Related Health Risk in Drinking Water Systems: Could Monitoring of Amoebae be a Complementary Approach to Current Quality Control Strategies?](#). *Future Microbiology*, JAN, 2012, vol. 7, no. 1, pp. 25-31. ISSN 1746-0913.
Factor impacte 2012 = 4.018
46. [Del Campo, D.](#); [Castilla, R.](#); [Raush, G.A.](#); [Gamez, P.J.](#); [Codina, E.](#) [Numerical Analysis of External Gear Pumps Including Cavitation](#). *Journal of Fluids Engineering-Transactions of the ASME*, AUG, 2012, vol. 134, no. 8, pp. 081105. ISSN 0098-2202.
Factor impacte 2012 = 0.886
47. [Diaz, C.](#); [Trifonov, A.](#); [Georgiev, G.](#); [Tzanov, T.](#) [Hematoporphyrin-Based Amphiphiles Boost the Washing Performance of Protease-Containing Formulations in a Biomimetic Approach](#). *Journal of Molecular Catalysis B-Enzymatic*, JUN, 2012, vol. 78, pp. 45-50. ISSN 1381-1177.
Factor impacte 2012 = 2.823
48. [Diaz, C.](#); [Trifonov, A.](#); [Georgiev, G.](#); [Tzanov, T.](#) [Light Harvesting Amphiphiles Boost the Performance of Lipase-Based Washing Formulations](#). *Enzyme and Microbial Technology*, AUG 10, 2012, vol. 51, no. 3, pp. 156-162. ISSN 0141-0229.
Factor impacte 2012 = 2.592
49. [Diaz-Gonzalez, M.](#); [Rocasalbas, G.](#); [Francesco, A.](#); [Tourino, S.](#); [Torres, J.L.](#); [Tzanov, T.](#) [Inhibition of Deleterious Chronic Wound Enzymes with Plant Polyphenols](#). *Biocatalysis and Biotransformation*, FEB, 2012, vol. 30, no. 1, pp. 102-110. ISSN 1024-2422.
Factor impacte 2012 = 0.895



50. Domenech, B.; Munoz, M.; Muraviev, D.N.; [Macanas, J.](#) [Catalytic Membranes with Palladium Nanoparticles: From Tailored Polymer to Catalytic Applications](#). *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 158-164. ISSN 0920-5861.
Factor impacte 2012 = 2.980
51. Doria-Cerezo, A.; Utkin, V.I.; [Munoz-Aguilar, R.S.](#); Fossas, E. [Control of a Stand-Alone Wound Rotor Synchronous Generator: Two Sliding Mode Approaches Via Regulation of the d-Voltage Component](#). *IEEE Transactions on Control Systems Technology*, MAY, 2012, vol. 20, no. 3, pp. 779-786. ISSN 1063-6536.
Factor impacte 2012 = 2.000
52. Esser, G.; Becken, W.; Muller, W.; Baumbach, P.; [Arasa, J.](#); Uttenweiler, D. [Derivation of the Reflection Equations for Higher-Order Aberrations of Local Wave Fronts by Oblique Incidence](#). *Advances in Imaging and Electron Physics, Vol 171*, 2012, vol. 171, pp. 1-39. ISSN 1076-5670; 978-0-12-394297-5.
Factor impacte 2012 = 0.712
53. [Fernandez, D.](#); Martinez-Alvarado, L.; Madrenas, J. [A Translinear, Log-Domain FPAA on Standard CMOS Technology](#). *IEEE Journal of Solid-State Circuits*, FEB, 2012, vol. 47, no. 2, pp. 490-503. ISSN 0018-9200.
Factor impacte 2012 = 3.063
54. [Fernandez, V.](#); [Simo, P.](#); [Enache, M.](#); [Sallan, J.M.](#) [The Frequency of the Dyadic Influence Tactics According to Communication Media](#). *Behaviour & Information Technology*, 2012, vol. 31, no. 6, pp. 577-586. ISSN 0144-929X.
Factor impacte 2012 = 0.856
55. Ferrer, A.; [Quintana, E.](#); Filpponen, I.; Solala, I.; [Vidal, T.](#); Rodriguez, A.; Laine, J.; Rojas, O.J. [Effect of Residual Lignin and Heteropolysaccharides in Nanofibrillar Cellulose and Nanopaper from Wood Fibers](#). *Cellulose*, DEC, 2012, vol. 19, no. 6, pp. 2179-2193. ISSN 0969-0239.
Factor impacte 2012 = 3.476
56. [Fillat, A.](#); Gallardo, O.; [Vidal, T.](#); Pastor, F.I.J.; Diaz, P.; [Roncero, M.B.](#) [Enzymatic Grafting of Natural Phenols to Flax Fibres: Development of Antimicrobial Properties](#). *Carbohydrate Polymers*, JAN 4, 2012, vol. 87, no. 1, pp. 146-152. ISSN 0144-8617.
Factor impacte 2012 = 3.479
57. [Fillat, A.](#); [Roncero, M.B.](#); [Vidal, T.](#) [Elucidating the Effects of Laccase-Modifying Compounds Treatments on Bast and Core Fibers in Flax Pulp](#). *Biotechnology and Bioengineering*, JAN, 2012, vol. 109, no. 1, pp. 225-233. ISSN 0006-3592.
Factor impacte 2012 = 3.648
58. [Fillat, U.](#); [Roncero, M.B.](#); Bassa, A.; Sacon, V.M. [Effect of Commercial Xylanases Applied at Extreme Conditions in a Eucalyptus Pulp Mill](#). *TAPPI Journal*, OCT, 2012, vol. 11, no. 10, pp. 53-59. ISSN 0734-1415.
Factor impacte 2012 = 0.500
59. [Fillat, U.](#); [Roncero, M.B.](#); Sacon, V.M.; Bassa, A. [Integrating a Xylanase Treatment into an Industrial-Type Sequence for Eucalyptus Kraft Pulp Bleaching](#). *Industrial & Engineering Chemistry Research*, FEB 22, 2012, vol. 51, no. 7, pp. 2830-2837. ISSN 0888-5885.
Factor impacte 2012 = 2.206
60. [Fittipaldi, M.](#); Nocker, A.; [Codony, F.](#) [Progress in Understanding Preferential Detection of Live Cells using Viability Dyes in Combination with DNA Amplification](#). *Journal of Microbiological Methods*, NOV, 2012, vol. 91, no. 2, pp. 276-289. ISSN 0167-7012.
Factor impacte 2012 = 2.161
61. [Forcada, N.](#); [Macarulla, M.](#); [Fuertes, A.](#); [Casals, M.](#); [Gangoles, M.](#); [Roca, X.](#) [Influence of Building Type on Post-Handover Defects in Housing](#). *Journal of Performance of Constructed Facilities*, JUL-AUG, 2012, vol. 26, no. 4, pp. 433-440. ISSN 0887-3828.
Factor impacte 2012 = 0.576
62. Fortuny, J.; [Marce-Nogue, J.](#); [Gil, L.](#); Galobart, A. [Skull Mechanics and the Evolutionary Patterns of the Otic Notch Closure in Capitosaurs \(Amphibia: Temnospondyli\)](#). *Anatomical Record-Advances in Integrative Anatomy and Evolutionary Biology*, JUL, 2012, vol. 295, no. 7, pp. 1134-1146. ISSN 1932-8486.
Factor impacte 2012 = 1.343



63. Fortuny, J.; [Marce-Nogue](#), J.; Steyer, J.S. [3D Finite Element Analysis of a Capitosaurian Skull \(Temnospondyli\) from the Triassic of Madagascar](#). *Journal of Vertebrate Paleontology*, 2012, vol. 32, Supp. 1, pp. 96-96. ISSN 0272-4634.
Factor impacte 2012 = 1.674
64. [Francesko](#), A.; Da Costa, D.S.; Lisboa, P.; Reis, R.L.; Pashkuleva, I.; [Tzanov](#), T. [GAGs-Thiolated Chitosan Assemblies for Chronic Wounds Treatment: Control of Enzyme Activity and Cell Attachment](#). *Journal of Materials Chemistry*, 2012, vol. 22, no. 37, pp. 19438-19446. ISSN 0959-9428.
Factor impacte 2012 = 6.101
65. Gaizauskas, E.; Savickas, A.; [Staliunas](#), K. [Radiation from Band-Gap Solitons](#). *Optics Communications*, APR 15, 2012, vol. 285, no. 8, pp. 2166-2170. ISSN 0030-4018.
Factor impacte 2012 = 1.438
66. Galicia-Garcia, T.; Martinez-Bustos, F.; Jimenez-Arevalo, O.A.; [Arencon](#), D.; Gamez-Perez, J.; [Martinez](#), A.B. [Films of Native and Modified Starch Reinforced with Fiber: Influence of some Extrusion Variables using Response Surface Methodology](#). *Journal of Applied Polymer Science*, OCT 25, 2012, vol. 126, pp. E326-E335. ISSN 0021-8995.
Factor impacte 2012 = 1.395
67. [Galvez-Carrillo](#), I.; Neumann, F.; Tonks, A. [Andre Spectral Sequences for Baues-Wirsching Cohomology of Categories](#). *Journal of Pure and Applied Algebra*, NOV, 2012, vol. 216, no. 11, pp. 2549-2561. ISSN 0022-4049.
Factor impacte 2012 = 0.534
68. [Galvez-Carrillo](#), I.; Tonks, A.; Vallette, B. [Homotopy Batalin-Vilkovisky Algebras](#). *Journal of Noncommutative Geometry*, 2012, vol. 6, no. 3, pp. 539-602. ISSN 1661-6952.
Factor impacte 2012 = 0.878
69. [Gamez-Montero](#), P.; [Castilla](#), R.; [Del Campo](#), D.; Erturk, N.; [Rausch](#), G.; [Codina](#), E. [Influence of the Interteeth Clearances on the Flow Ripple in a Gerotor Pump for Engine Lubrication](#). *Proceedings of the Institution of Mechanical Engineers Part D-Journal of Automobile Engineering*, 2012, vol. 226, no. D7, pp. 930-942. ISSN 0954-4070.
Factor impacte 2012 = 0.583
70. [Gamez-Montero](#), P. J.; [Garcia-Vilchez](#), M.; [Rausch](#), G.; [Freire](#), J.; [Codina](#), E. [Teeth Clearance and Relief Grooves Effects in a Trochoidal-Gear Pump using New Modules of GeroLAB](#). *Journal of Mechanical Design*, MAY, 2012, vol. 134, no. 5, pp. 054502. ISSN 1050-0472.
Factor impacte 2012 = 1.247
71. [Gangoellels](#), M.; [Casals](#), M. [Resilience to Increasing Temperatures: Residential Building Stock Adaptation through Codes and Standards](#). *Building Research and Information*, 2012, vol. 40, no. 6, pp. 645-664. ISSN 0961-3218.
Factor impacte 2012 = 1.989
72. Garces, A.; Molinas, M.; [Rodriguez](#), P. [A Generalized Compensation Theory for Active Filters Based on Mathematical Optimization in ABC Frame](#). *Electric Power Systems Research*, SEP, 2012, vol. 90, pp. 1-10. ISSN 0378-7796.
Factor impacte 2012 = 1.694
73. [Garcia-Ojalvo](#), J.; Martinez, A. [Towards a Statistical Mechanics of Cell Fate Decisions](#). *Current Opinion in Genetics & Development*, DEC, 2012, vol. 22, no. 6, pp. 619-626. ISSN 0959-437X.
Factor impacte 2012 = 7.470
74. [Garcia-Ubasart](#), J.; [Colom](#), J.F.; [Vila](#), C.; Gomez, N.; [Roncero](#), M.B.; [Vidal](#), T. [A New Procedure for the Hydrophobization of Cellulose Fibre using Laccase and a Hydrophobic Phenolic Compound](#). *Bioresource Technology*, MAY, 2012, vol. 112, pp. 341-344. ISSN 0960-8524.
Factor impacte 2012 = 4.750
75. [Garrido-Soriano](#), N.; [Rosas-Casals](#), M.; Ivancic, A.; [Alvarez-del Castillo](#), M.D. [Potential Energy Savings and Economic Impact of Residential Buildings Under National and Regional Efficiency Scenarios](#). A Catalan Case Study. *Energy and Buildings*, JUN, 2012, vol. 49, pp. 119-125. ISSN 0378-7788.
Factor impacte 2012 = 2.679



76. Gasull, A.; [Manosa, V.](#); Xarles, X. [Rational Periodic Sequences for the Lyness Recurrence](#). *Discrete and Continuous Dynamical Systems*, FEB, 2012, vol. 32, no. 2, pp. 587-604. ISSN 1078-0947.
Factor impacte 2012 = 1.005
77. Gedler, G.; [Antunes, M.](#); [Realinho, V.](#); [Velasco, J.I.](#) [Thermal Stability of Polycarbonate-Graphene Nanocomposite Foams](#). *Polymer Degradation and Stability*, AUG, 2012, vol. 97, no. 8, pp. 1297-1304. ISSN 0141-3910.
Factor impacte 2012 = 2.770
78. Gil, M.A.; [Varon, C.](#); Rosello, N.; [Cardona, G.](#); Buil, J.A. [Visual Acuity, Contrast Sensitivity, Subjective Quality of Vision, and Quality of Life with 4 Different Multifocal IOLs](#). *European Journal of Ophthalmology*, MAR-APR, 2012, vol. 22, no. 2, pp. 175-187. ISSN 1120-6721.
Factor impacte 2012 = 0.912
79. Gorreta, S.; [Fernandez, D.](#); Blokhina, E.; Pons-Nin, J.; Jimenez, V.; O'Connell, D.; Feely, O.; Madrenas, J.; Dominguez, M. [Pulsed Digital Oscillators for Electrostatic MEMS](#). *IEEE Transactions on Circuits and Systems I-Regular Papers*, DEC, 2012, vol. 59, no. 12, pp. 2835-2845. ISSN 1549-8328.
Factor impacte 2012 = 2.240
80. Grau-Moya, J.; [Pons, A.J.](#); [Garcia-Ojalvo, J.](#) [Noise-Induced Up/down Dynamics in Scale-Free Neuronal Networks](#). *International Journal of Bifurcation and Chaos*, JUL, 2012, vol. 22, no. 7, pp. 1250175. ISSN 0218-1274.
Factor impacte 2012 = 0.921
81. [Guitart, X.](#) [Abelian Varieties with Many Endomorphisms and their Absolutely Simple Factors](#). *Revista Matemática Iberoamericana*, 2012, vol. 28, no. 2, pp. 591-601. ISSN 0213-2230.
Factor impacte 2012 = 0.594
82. [Guitart, X.](#) [Fields of Definition of Building Blocks with Quaternionic Multiplication](#). *Acta Arithmetica*, 2012, vol. 153, no. 1, pp. 1-14. ISSN 0065-1036.
Factor impacte 2012 = 0.472
83. [Hernandez, J. A.](#); Oliver, J.; [Cante, J.C.](#); [Weyler, R.](#) [Finite Element Modelling of Ejection Cracks in Powder Metallurgy Die Compaction Processes: Case Study](#). *Powder Metallurgy*, FEB, 2012, vol. 55, no. 1, pp. 36-44. ISSN 0032-5899.
Factor impacte 2012 = 0.584
84. [Hernandez-Abad, F.](#); Rojas-Sola, J.I.; [Hernandez-Abad, V.](#); [Ochoa-Vives, M.](#); [Font-Andreu, J.](#); [Hernandez-Diaz, D.](#); Villar-Ribera, R. [Interactive Educational Software of Textile Design](#). *Computer Applications in Engineering Education*, MAR, 2012, vol. 20, no. 1, pp. 161-174. ISSN 1061-3773.
Factor impacte 2012 = 0.333
85. [Herrero, R.](#); [Botey, M.](#); Radziunas, M.; [Staliunas, K.](#) [Beam Shaping in Spatially Modulated Broad-Area Semiconductor Amplifiers](#). *Optics Letters*, DEC 15, 2012, vol. 37, no. 24, pp. 5253-5255. ISSN 0146-9592.
Factor impacte 2012 = 3.385
86. [Herrero, R.](#); Pi, F.; Rius, J.; Orriols, G. [About the Oscillatory Possibilities of the Dynamical Systems](#). *Physica D-Nonlinear Phenomena*, AUG 15, 2012, vol. 241, no. 16, pp. 1358-1391. ISSN 0167-2789.
Factor impacte 2012 = 1.669
87. [Hoyo, J.](#); [Guaus, E.](#); [Torrent-Burgues, J.](#); [Sanz, F.](#) [Electrochemical Behaviour of Mixed LB Films of Ubiquinone - DPPC](#). *Journal of Electroanalytical Chemistry*, MAR 15, 2012, vol. 669, pp. 6-13. ISSN 1572-6657.
Factor impacte 2012 = 2.672
88. [Hoyo, J.](#); [Torrent-Burgues, J.](#); [Guaus, E.](#) [Biomimetic Monolayer Films of Monogalactosyldiacylglycerol Incorporating Ubiquinone](#). *Journal of Colloid and Interface Science*, OCT 15, 2012, vol. 384, pp. 189-197. ISSN 0021-9797.
Factor impacte 2012 = 3.172
89. [Hutchinson, J.M.](#); [Shiravand, F.](#); [Calventus, Y.](#); [Fraga, I.](#) [Isothermal and Non-Isothermal Cure of a Tri-Functional Epoxy Resin \(TGAP\): A Stochastic TMDSC Study](#). *Thermochimica Acta*, FEB 10, 2012, vol. 529, pp. 14-21. ISSN 0040-6031.
Factor impacte 2012 = 1.989
90. Iesan, D.; [Quintanilla, R.](#) [Two-Dimensional Heat Conduction in Thermodynamics of Continua with Microtemperature Distributions](#). *International Journal of Thermal Sciences*, MAY, 2012, vol. 55, pp. 48-59. ISSN 1290-0729.
Factor impacte 2012 = 2.470



91. [Deza, J.I.; Deza, R.; Wio, H.S. Wide-Spectrum Energy Harvesting Out of Colored Levy-Like Fluctuations, by Monostable Piezoelectric Transducers.](#) *EPL*, NOV, 2012, vol. 100, no. 3, pp. 38001. ISSN 0295-5075.
Factor impacte 2012 = 2.260
92. Imdad, M.; Ali, J.; Hasan, M. [Common Fixed Point Theorems in Fuzzy Metric Spaces Employing Common Property \(E.A.\).](#) *Mathematical and Computer Modelling*, FEB, 2012, vol. 55, no. 3-4, pp. 770-778. ISSN 0895-7177.
Factor impacte 2012 = 1.420
93. [Jaramillo, J. E.; Rigola, J.; Rodriguez, I.; Oliet, C. Modelling Refrigerating Compartment of Frost-Free Domestic Refrigerators.](#) *Global NEST Journal*, JUN, 2012, vol. 14, no. 2, pp. 244-251. ISSN 1790-7632.
Factor impacte 2012 = 0.698
94. [Jaramillo, J. E.; Trias, F. X.; Gorobets, A.; Perez-Segarra, C.D.; Oliva, A. DNS and RANS Modelling of a Turbulent Plane Impinging Jet.](#) *International Journal of Heat and Mass Transfer*, JAN 31, 2012, vol. 55, no. 4, pp. 789-801. ISSN 0017-9310.
Factor impacte 2012 = 2.315
95. [Julio, G.; Luch, S.; Cardona, G.; Fornieles, A.; Merindano, D. Item by Item Analysis Strategy of the Relationship between Symptoms and Signs in Early Dry Eye.](#) *Current Eye Research*, MAY, 2012, vol. 37, no. 5, pp. 357-364. ISSN 0271-3683.
Factor impacte 2012 = 1.710
96. [Julio, G.; Luch, S.; Pujol, P.; Alonso, S.; Merindano, D. Tear Osmolarity and Ocular Changes in Pterygium.](#) *Cornea*, DEC, 2012, vol. 31, no. 12, pp. 1417-1421. ISSN 0277-3740.
Factor impacte 2012 = 1.746
97. [Julio, G.; Luch, S.; Pujol, P.; Merindano, M.D. Effects of Tear Hyperosmolarity on Conjunctival Cells in Mild to Moderate Dry Eye.](#) *Ophthalmic and Physiological Optics*, JUL, 2012, vol. 32, no. 4, pp. 317-323. ISSN 0275-5408.
Factor impacte 2012 = 1.735
98. [Julio, G.; Merindano, M.; Canals, M.; Caum, C.; Rallo, M. Indicators of Progressive Corneal Exposure to Dry Eye Conditions.](#) *Optometry and Vision Science*, JUL, 2012, vol. 89, no. 7, pp. 1042-1049. ISSN 1040-5488.
Factor impacte 2012 = 1.895
99. Kalinowski, K.; [Roppo, V.](#); Lukaszewicz, T.; Swirkowicz, M.; Sheng, Y.; Krolikowski, W. [Parametric Wave Interaction in One-Dimensional Nonlinear Photonic Crystal with Randomized Distribution of Second-Order Nonlinearity.](#) *Applied Physics B-Lasers and Optics*, DEC, 2012, vol. 109, no. 4, pp. 557-566. ISSN 0946-2171.
Factor impacte 2012 = 1.782
100. [Kizildag, D.; Rodriguez, I.; Castro, J. On the Validity of the Oberbeck-Boussinesq Approximation in a Tall Differentially Heated Cavity with Water.](#) *Progress in Computational Fluid Dynamics*, 2012, vol. 12, no. 4, pp. 251-259. ISSN 1468-4349.
Factor impacte 2012 = 0.156
101. Kolpakov, S.; Silva, F.; De Valcarcel, G.J.; Roldan, E.; [Staliunas, K. Experimental Demonstration of Bistable Phase Locking in a Photorefractive Oscillator.](#) *Physical Review A*, FEB 27, 2012, vol. 85, no. 2, pp. 025805. ISSN 1050-2947.
Factor impacte 2012 = 3.042
102. Kumar, N.; [Botey, M.](#); [Herrero, R.](#); Loiko, Y.; [Staliunas, K. High-Directional Wave Propagation in Periodic Loss Modulated Materials.](#) *Photonics and Nanostructures-Fundamentals and Applications*, OCT, 2012, vol. 10, no. 4, pp. 644-650. ISSN 1569-4410.
Factor impacte 2012 = 1.792
103. [Labay, C.; Canal, J.M.; Canal, C. Relevance of Surface Modification of Polyamide 6.6 Fibers by Air Plasma Treatment on the Release of Caffeine.](#) *Plasma Processes and Polymers*, FEB, 2012, vol. 9, no. 2, pp. 165-173. ISSN 1612-8850.
Factor impacte 2012 = 3.730



104. [Lehmkuhl, O.](#); [Borrell, R.](#); [Rodriguez, I.](#); [Perez-Segarra, C.D.](#); [Oliva, A.](#) [Assessment of the Symmetry-Preserving Regularization Model on Complex Flows using Unstructured Grids.](#) *Computers & Fluids*, MAY 15, 2012, vol. 60, pp. 108-116. ISSN 0045-7930.
Factor impacte 2012 = 1.467
105. [Leseduarte, M.C.](#); [Quintanilla, R.](#) [On Uniqueness and Continuous Dependence in Type III Thermoelasticity.](#) *Journal of Mathematical Analysis and Applications*, NOV 1, 2012, vol. 395, no. 1, pp. 429-436. ISSN 0022-247X.
Factor impacte 2012 = 1.050
106. Li, W.; [Krishna, S.](#); [Pigolotti, S.](#); [Mitarai, N.](#); [Jensen, M.H.](#) [Switching between Oscillations and Homeostasis in Competing Negative and Positive Feedback Motifs.](#) *Journal of Theoretical Biology*, AUG 21, 2012, vol. 307, pp. 205-210. ISSN 0022-5193.
Factor impacte 2012 = 2.351
107. [Lipinska, M.](#); [Hutchinson, J.M.](#) [Elastomeric Epoxy Nanocomposites: Nanostructure and Properties.](#) *Composites Science and Technology*, MAR 8, 2012, vol. 72, no. 5, pp. 640-646. ISSN 0266-3538.
Factor impacte 2012 = 3.328
108. [Loiko, Y.](#); [Botey, M.](#); [Herrero, R.](#); [Staliunas, K.](#) [Formation of X-Pulses in Periodically gain/loss Modulated Materials.](#) *Optics Express*, MAY 7, 2012, vol. 20, no. 10, pp. 11271-11276. ISSN 1094-4087.
Factor impacte 2012 = 3.546
109. [Lopez-Grimau, V.](#); [Gutierrez-Bouzan, M.C.](#); [Valldeperas, J.](#); [Crespi, M.](#) [Reuse of the Water and Salt of Reactive Dyeing Effluent After Electrochemical Decolorisation.](#) *Coloration Technology*, FEB, 2012, vol. 128, no. 1, pp. 36-43. ISSN 1472-3581.
Factor impacte 2012 = 0.899
110. [Lopez-Roldan, R.](#); [Kazlauskaitė, L.](#); [Ribo, J.](#); [Riva, M.C.](#); [Gonzalez, S.](#); [Cortina, J.L.](#) [Evaluation of an Automated Luminescent Bacteria Assay for in Situ Aquatic Toxicity Determination.](#) *Science of the Total Environment*, DEC 1, 2012, vol. 440, pp. 307-313. ISSN 0048-9697.
Factor impacte 2012 = 3.258
111. [Marrugo, A.G.](#); [Millan, M.S.](#); [Cristobal, G.](#); [Gabarda, S.](#); [Abril, H.C.](#) [Anisotropy-Based Robust Focus Measure for Non-Mydriatic Retinal Imaging.](#) *Journal of Biomedical Optics*, JUL, 2012, vol. 17, no. 7, pp. 076021. ISSN 1083-3668.
Factor impacte 2012 = 2.881
112. [Marti, M.](#); [Rodriguez, R.](#); [Carreras, N.](#); [Lis, M.](#); [Valldeperas, J.](#); [Coderch, L.](#); [Parra, J.L.](#) [Monitoring of the microcapsule/liposome Application on Textile Fabrics.](#) *Journal of the Textile Institute*, 2012, vol. 103, no. 1, pp. 19-27. ISSN 0040-5000.
Factor impacte 2012 = 0.725
113. [Martinez, A.B.](#); [Xiang, G.](#); [Arencon, D.](#) [Flexed-Plate Low Energy Impact of an Epoxy-Carbon Fibre Laminate.](#) *Polymers & Polymer Composites*, 2012, vol. 20, no. 7, pp. 581-587. ISSN 0967-3911.
Factor impacte 2012 = 0.309
114. [Martinez, J.](#); [Rodriguez, P.](#); [Kjaer, P.C.](#); [Teodorescu, R.](#) [Design and Coordination of a Capacitor and on-Load Tap Changer System for Voltage Control in a Wind Power Plant of Doubly Fed Induction Generator Wind Turbines.](#) *Wind Energy*, MAY, 2012, vol. 15, no. 4, pp. 507-523. ISSN 1095-4244.
Factor impacte 2012 = 1.436
115. [Martinez-Archundia, M.](#); [Cordomi, A.](#); [Garriga, P.](#); [Perez, J.J.](#) [Molecular Modeling of the M3 Acetylcholine Muscarinic Receptor and its Binding Site.](#) *Journal of Biomedicine and Biotechnology*, 2012, pp. 789741. ISSN 1110-7243.
Factor impacte 2012 = 2.880
116. [Martinez-Pasamar, S.](#); [Abad, E.](#); [Moreno, B.](#); [Velez, N.](#); [Martinez-Forero, I.](#); [Garcia-Ojalvo, J.](#); [Villoslada, P.](#) [A Dynamics Analysis of Antigen Specific T Cells during Brain Autoimmunity Supports the Role of Regulatory T Cells in Disease Outcome.](#) *Journal of Neuroimmunology*, DEC 15, 2012, vol. 253, no. 1-2, pp. 166-167. ISSN 0165-5728.
Factor impacte 2012 = 3.033
117. [Millan, M.S.](#) [Advanced Optical Correlation and Digital Methods for Pattern Matching-50th Anniversary of Vander Lugt Matched Filter.](#) *Journal of Optics*, OCT, 2012, vol. 14, no. 10, pp. 103001. ISSN 2040-8978.
Factor impacte 2012 = 1.990



118. Milliman, H.W.; [Sanchez-Soto, M.](#); Arostegui, A.; Schiraldi, D.A. [Structure-Property Evaluation of Trisilanophenyl POSS \(R\)/polysulfone Composites as a Guide to POSS Melt Blending](#). *Journal of Applied Polymer Science*, AUG 15, 2012, vol. 125, no. 4, pp. 2914-2919. ISSN 0021-8995.
Factor impacte 2012 = 1.395
119. Miranville, A.; [Quintanilla, R.](#) [On a Phase-Field System Based on the Cattaneo Law](#). *Nonlinear Analysis-Theory Methods & Applications*, MAR, 2012, vol. 75, no. 4, pp. 2552-2565. ISSN 0362-546X.
Factor impacte 2012 = 1.640
120. Moldes, D.; [Vidal, T.](#) [Laccase for Biobleaching of Eucalypt Kraft Pulp by Means of a Modified Industrial Bleaching Sequence](#). *Biotechnology Progress*, SEP-OCT, 2012, vol. 28, no. 5, pp. 1225-1231. ISSN 8756-7938.
Factor impacte 2012 = 1.853
121. Molina, M.; [Cruz, J.J.](#); Oller, S.; Barbat, A.H.; [Gil, L.](#) [Numerical-Experimental Study of the FRP-Epoxy-Concrete Interface for Reinforced Structures Under Double Shear](#). *Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria*, 2012, vol. 28, no. 2, pp. 65-79. ISSN 0213-1315.
Factor impacte 2012 = 0.184
122. [Mon, J.](#); [Gago, J.](#); [Gonzalez, D.](#); [Balcells, J.](#); [Fernandez, R.](#); [Gil, I.](#); [Bogonez, P.](#) [EMI Reduction by Means of Switching Frequency Modulation with Variable Delay in Power Supplies](#). *International Journal of Electronics*, 2012, vol. 99, no. 1, pp. 103-112. ISSN 0020-7217.
Factor impacte 2012 = 0.509
123. [Morales-Ruiz, S.](#); [Rigola, J.](#); [Rodriguez, I.](#); [Oliva, A.](#) [Numerical Resolution of the Liquid-Vapour Two-Phase Flow by Means of the Two-Fluid Model and a Pressure Based Method](#). *International Journal of Multiphase Flow*, JUL, 2012, vol. 43, pp. 118-130. ISSN 0301-9322.
Factor impacte 2012 = 1.715
124. [Mujal-Rosas, R.](#) [Analysis of the Three-Phase Induction Motor with Spiral Sheet Rotor](#). *International Journal of Electrical Power & Energy Systems*, FEB, 2012, vol. 35, no. 1, pp. 1-9. ISSN 0142-0615.
Factor impacte 2012 = 3.432
125. [Mujal-Rosas, R.](#); [Marin-Genesca, M.](#); [Orrit-Prat, J.](#); Rahhali, A.; [Colom-Fajula, X.](#) [Dielectric, Mechanical, and Thermal Characterization of High-Density Polyethylene Composites with Ground Tire Rubber](#). *Journal of Thermoplastic Composite Materials*, AUG, 2012, vol. 25, no. 5, pp. 537-559. ISSN 0892-7057.
Factor impacte 2012 = 0.750
126. [Mujal-Rosas, R.](#); [Orrit-Prat, J.](#); Ramis-Juan, X.; [Marin-Genesca, M.](#) [Electrical Applications of Acrylonitrile Butadiene Styrene \(ABS\) Reinforced with used Tires \(GTR\)](#). *Afinidad*, JAN-MAR, 2012, vol. 68, no. 557, pp. 7-17. ISSN 0001-9704.
Factor impacte 2012 = 0.145
127. [Mujal-Rosas, R.](#); [Orrit-Prat, J.](#); Ramis-Juan, X.; [Marin-Genesca, M.](#); Rahhali, A. [Study on Dielectric, Mechanical and Thermal Properties of Polypropylene \(PP\) Composites with Ground Tyre Rubber \(GTR\)](#). *Polymers & Polymer Composites*, 2012, vol. 20, no. 9, pp. 797-807. ISSN 0967-3911.
Factor impacte 2012 = 0.309
128. Munoz, S.; [Rue, P.](#); [Garcia-Ojalvo, J.](#); Martinez, A.M. [Correlations between the Levels of Oct4 and Nanog as a Signature for Naive Pluripotency in Mouse Embryonic Stem Cells](#). *Stem Cells*, DEC, 2012, vol. 30, no. 12, pp. 2683-2691. ISSN 1066-5099.
Factor impacte 2012 = 7.701
129. [Navarro, A.](#); Canadas, I.; Rodriguez, J.; Martinez, D. [Leaching Characteristics of Mercury Mine Wastes before and After Solar Thermal Desorption](#). *Environmental Engineering Science*, OCT, 2012, vol. 29, no. 10, pp. 915-928. ISSN 1092-8758.
Factor impacte 2012 = 1.154
130. Oatley, D.L.; Llenas, L.; [Perez, R.](#); Williams, P.M.; Martinez-Llado, X.; Rovira, M. [Review of the Dielectric Properties of Nanofiltration Membranes and Verification of the Single Oriented Layer Approximation](#). *Advances in Colloid and Interface Science*, MAY 15, 2012, vol. 173, pp. 1-11. ISSN 0001-8686.
Factor impacte 2012 = 6.169



131. Ochoa, D.A.; Garcia, J.E.; [Tamayo](#), I.; Gomis, V.; Damjanovic, D.; Perez, R. [Effect of Uniaxial Compressive Stress on Dielectric and Piezoelectric Responses in Lead Zirconate Titanate Based Ceramics](#). *Journal of the American Ceramic Society*, MAY, 2012, vol. 95, no. 5, pp. 1656-1660. ISSN 0002-7820.
Factor impacte 2012 = 2.107
132. Ochoa, V.; [Riva](#), C.; Faria, M.; Lopez, M.; Barcelo, D.; Fernandez, M.; Roque, A.; Barata, C. [Are Pesticide Residues Associated to Rice Production Affecting Oyster Production in Delta Del Ebro, NE Spain?](#). *Science of the Total Environment*, OCT 15, 2012, vol. 437, pp. 209-218. ISSN 0048-9697.
Factor impacte 2012 = 3.258
133. Oliver, J.; Mora, D.F.; Huespe, A.E.; [Weyler](#), R. [A Micromorphic Model for Steel Fiber Reinforced Concrete](#). *International Journal of Solids and Structures*, OCT 15, 2012, vol. 49, no. 21, pp. 2990-3007. ISSN 0020-7683.
Factor impacte 2012 = 1.871
134. [Ondategui](#), J.C.; [Vilaseca](#), M.; [Arjona](#), M.; Montasell, A.; [Cardona](#), G.; Guell, J.L.; [Pujol](#), J. [Optical Quality After Myopic Photorefractive Keratectomy and Laser in Situ Keratomileusis: Comparison using a Double-Pass System](#). *Journal of Cataract and Refractive Surgery*, JAN, 2012, vol. 38, no. 1, pp. 16-27. ISSN 0886-3350.
Factor impacte 2012 = 2.527
135. Pamplona, P.X.; Munoz, J.E.; [Quintanilla](#), R. [Analyticity in Porous-Thermoelasticity with Microtemperatures](#). *Journal of Mathematical Analysis and Applications*, OCT 15, 2012, vol. 394, no. 2, pp. 645-655. ISSN 0022-247X.
Factor impacte 2012 = 1.050
136. Paune, J.; [Cardona](#), G.; [Quevedo](#), L. [Toric Double Tear Reservoir Contact Lens in Orthokeratology for Astigmatism](#). *Eye & Contact Lens-Science and Clinical Practice*, JUL, 2012, vol. 38, no. 4, pp. 245-251. ISSN 1542-2321.
Factor impacte 2012 = 1.461
137. Pedra, J.; Corcoles, F.; Monjo, L.; [Bogarrra](#), S.; [Rolan](#), A. [On Fixed-Speed WT Generator Modeling for Rotor Speed Stability Studies](#). *IEEE Transactions on Power Systems*, FEB, 2012, vol. 27, no. 1, pp. 397-406. ISSN 0885-8950.
Factor impacte 2012 = 2.921
138. Perelshtein, I.; Ruderman, Y.; Perkas, N.; Traeger, K.; [Tzanov](#), T.; Beddow, J.; Joyce, E.; Mason, T.J.; Blanes, M.; Molla, K.; Gedanken, A. [Enzymatic Pre-Treatment as a Means of Enhancing the Antibacterial Activity and Stability of ZnO Nanoparticles Sonochemically Coated on Cotton Fabrics](#). *Journal of Materials Chemistry*, 2012, vol. 22, no. 21, pp. 10736-10742. ISSN 0959-9428.
Factor impacte 2012 = 6.101
139. [Perez](#), D.; [Gil](#), I.; [Gago](#), J.; [Fernandez-Garcia](#), R.; [Balcells](#), J.; [Gonzalez](#), D.; [Berbel](#), N.; [Mon](#), J. [Reduction of Electromagnetic Interference Susceptibility in Small-Signal Analog Circuits using Complementary Split-Ring Resonators](#). *IEEE Transactions on Components Packaging and Manufacturing Technology*, FEB, 2012, vol. 2, no. 2, pp. 240-247. ISSN 2156-3950.
Factor impacte 2012 = 1.261
140. Perez, L.M.; [Codony](#), F.; Rios, K.; Penuela, G.; [Adrados](#), B.; [Fittipaldi](#), M.; De Dios, G.; [Morato](#), J. [Searching Simkania Negevensis in Environmental Waters](#). *Folia Microbiologica*, JAN, 2012, vol. 57, no. 1, pp. 11-14. ISSN 0015-5632.
Factor impacte 2012 = 0.791
141. [Perez-Cabre](#), E.; [Abril](#), H.C.; [Millan](#), M.S.; Javidi, B. [Photon-Counting Double-Random-Phase Encoding for Secure Image Verification and Retrieval](#). *Journal of Optics*, SEP, 2012, vol. 14, no. 9, pp. 094001. ISSN 2040-8978.
Factor impacte 2012 = 1.990
142. Perrone, S.; [Vilaseca](#), R.; [Masoller](#), C. [Stochastic Logic Gate that Exploits Noise and Polarization Bistability in an Optically Injected VCSEL](#). *Optics Express*, SEP 24, 2012, vol. 20, no. 20, pp. 22692-22699. ISSN 1094-4087.
Factor impacte 2012 = 3.546
143. Pico, R.; Sanchez-Morcillo, V.J.; Perez-Adona, I.; [Staliunas](#), K. [Spatial Filtering of Sound Beams by Sonic Crystals](#). *Applied Acoustics*, APR, 2012, vol. 73, no. 4, pp. 302-306. ISSN 0003-682X.
Factor impacte 2012 = 1.097
144. [Pigolotti](#), S.; Benzi, R.; Jensen, M.H.; Nelson, D.R. [Population Genetics in Compressible Flows](#). *Physical Review Letters*, MAR 23, 2012, vol. 108, no. 12, pp. 128102. ISSN 0031-9007.
Factor impacte 2012 = 7.943



145. [Pigolotti, S.](#); Bernhardtsson, S.; Juul, J.; Galster, G.; Vivo, P. [Equilibrium Strategy and Population-Size Effects in Lowest Unique Bid Auctions](#). *Physical Review Letters*, FEB 22, 2012, vol. 108, no. 8, pp. 088701. ISSN 0031-9007.
Factor impacte 2012 = 7.943
146. [Pons, A.J.](#) [Materials Science: Cracks Tamed](#). *Nature*, MAY 10, 2012, vol. 485, no. 7397, pp. 177-178. ISSN 0028-0836.
Factor impacte 2012 = 38.597
147. [Pons-Pons, M.](#); Johnson, P.A.; [Rosas-Casals, M.](#); [Sureda, B.](#); Jover, E. [Modeling Climate Change Effects on Winter Ski Tourism in Andorra](#). *Climate Research*, 2012, vol. 54, no. 3, pp. 197-207. ISSN 0936-577X.
Factor impacte 2012 = 2.684
148. [Pou, J.](#); [Zaragoza, J.](#); [Ceballos, S.](#); Saeedifard, M.; Boroyevich, D. [A Carrier-Based PWM Strategy with Zero-Sequence Voltage Injection for a Three-Level Neutral-Point-Clamped Converter](#). *IEEE Transactions on Power Electronics*, FEB, 2012, vol. 27, no. 2, pp. 642-651. ISSN 0885-8993.
Factor impacte 2012 = 4.080
149. [Quintanilla, R.](#) [A Note on the Spatial Behavior for the Generalized Tricomi Equation](#). *Applied Mathematics Letters*, DEC, 2012, vol. 25, no. 12, pp. 2258-2261. ISSN 0893-9659.
Factor impacte 2012 = 1.501
150. [Quintanilla, R.](#); Rajagopal, K.R. [Further Mathematical Results Concerning Burgers Fluids and their Generalizations](#). *Zeitschrift Fur Angewandte Mathematik Und Physik*, FEB, 2012, vol. 63, no. 1, pp. 191-202. ISSN 0044-2275.
Factor impacte 2012 = 0.938
151. [Quintanilla, R.](#); Saccomandi, G. [Phragmen-Lindelof Alternative of Exponential Type for the Solutions of a Fourth Order Dispersive Equation](#). *Rendiconti Lincei-Matematica E Applicazioni*, 2012, vol. 23, no. 2, pp. 105-113. ISSN 1120-6330.
Factor impacte 2012 = 0.345
152. [Quintanilla, R.](#); Sivaloganathan, J. [Aspects of the Nonlinear Theory of Type II Thermoelastostatics](#). *European Journal of Mechanics A-Solids*, MAR-APR, 2012, vol. 32, pp. 109-117. ISSN 0997-7538.
Factor impacte 2012 = 1.592
153. [Quintanilla, R.](#); Straughan, B. [Green-Naghdi Type III Viscous Fluids](#). *International Journal of Heat and Mass Transfer*, JAN 31, 2012, vol. 55, no. 4, pp. 710-714. ISSN 0017-9310.
Factor impacte 2012 = 2.315
154. [Ramon, E.](#); Toledo, D.; Aguila, M.; Moore, A.T.; Webster, A.R.; Cheetham, M.E.; [Garriga, P.](#) [Molecular Insights into Sector Retinitis Pigmentosa Retinal Disease](#). *FEBS Journal*, SEP, 2012, vol. 279, pp. 429-430. ISSN 1742-464X.
Factor impacte 2012 = 4.250
155. Reyes, M.; [Rodriguez, P.](#); Vazquez, S.; [Luna, A.](#); Teodorescu, R.; Carrasco, J.M. [Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions](#). *IEEE Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 3934-3943. ISSN 0885-8993.
Factor impacte 2012 = 4.080
156. [Riera-Torres, M.](#); [Gutierrez-Bouzan, C.](#) [Optimisation of the Electrochemical and UV Combined Treatment to Remove Colour and Organic Halogenated Compounds of Textile Effluents](#). *Separation and Purification Technology*, SEP 19, 2012, vol. 98, pp. 375-382. ISSN 1383-5866.
Factor impacte 2012 = 2.894
157. [Riu, J.](#); Sicard, M.; [Royo, S.](#); Comeron, A. [Silicon Photomultiplier Detector for Atmospheric Lidar Applications](#). *Optics Letters*, APR 1, 2012, vol. 37, no. 7, pp. 1229-1231. ISSN 0146-9592.
Factor impacte 2012 = 3.385
158. [Rocabert, J.](#); [Luna, A.](#); Blaabjerg, F.; [Rodriguez, P.](#) [Control of Power Converters in AC Microgrids](#). *IEEE Transactions on Power Electronics*, NOV, 2012, vol. 27, no. 11, pp. 4734-4749. ISSN 0885-8993.
Factor impacte 2012 = 4.080



159. [Rodriguez, P.](#); [Bellar, M.D.](#); [Munoz-Aguilar, R.S.](#); [Busquets-Monge, S.](#); [Blaabjerg, F.](#) [Multilevel-Clamped Multilevel Converters \(MLC2\)](#). *IEEE Transactions on Power Electronics*, MAR, 2012, vol. 27, no. 3, pp. 1055-1060. ISSN 0885-8993.
Factor impacte 2012 = 4.080
160. [Rodriguez, P.](#); [Luna, A.](#); [Munoz-Aguilar, R.S.](#); [Etxeberria-Otadui, I.](#); [Teodorescu, R.](#); [Blaabjerg, F.](#) [A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions](#). *IEEE Transactions on Power Electronics*, JAN, 2012, vol. 27, no. 1. ISSN 0885-8993.
Factor impacte 2012 = 4.080
161. [Rodriguez-Contreras, A.](#); [Calafell-Montfort, M.](#); [Marques-Calvo, M.S.](#) [Enzymatic Degradation of Poly\(3-Hydroxybutyrate-Co-4-Hydroxybutyrate\) by Commercial Lipases](#). *Polymer Degradation and Stability*, APR, 2012, vol. 97, no. 4, pp. 597-604. ISSN 0141-3910.
Factor impacte 2012 = 2.770
162. [Rodriguez-Contreras, A.](#); [Calafell-Montfort, M.](#); [Marques-Calvo, M.S.](#) [Enzymatic Degradation of Poly\(3-Hydroxybutyrate\) by a Commercial Lipase](#). *Polymer Degradation and Stability*, NOV, 2012, vol. 97, no. 11, pp. 2473-2476. ISSN 0141-3910.
Factor impacte 2012 = 2.770
163. [Rolan, A.](#); [Corcoles, F.](#); [Pedra, J.](#) [Behaviour of the Doubly Fed Induction Generator Exposed to Unsymmetrical Voltage Sags](#). *IET Electric Power Applications*, SEP, 2012, vol. 6, no. 8, pp. 561-574. ISSN 1751-8660.
Factor impacte 2012 = 1.562
164. [Roman, F.](#); [Calventus, Y.](#); [Colomer, P.](#); [Hutchinson, J.M.](#) [Identification of Nanostructural Development in Epoxy Polymer Layered Silicate Nanocomposites from the Interpretation of Differential Scanning Calorimetry and Dielectric Spectroscopy](#). *Thermochimica Acta*, AUG 10, 2012, vol. 541, pp. 76-85. ISSN 0040-6031.
Factor impacte 2012 = 1.989
165. [Romero, L.A.](#); [Millan, M.S.](#); [Jaroszewicz, Z.](#); [Kolodziejczyk, A.](#) [Double Peacock Eye Optical Element for Extended Focal Depth Imaging with Ophthalmic Applications](#). *Journal of Biomedical Optics*, APR, 2012, vol. 17, no. 4, pp. 046013. ISSN 1083-3668.
Factor impacte 2012 = 2.881
166. [Rondoni, L.](#); [Pigolotti, S.](#) [On Gamma- and Mu-Space Descriptions: Gibbs and Boltzmann Entropies of Symplectic Coupled Maps](#). *Physica Scripta*, NOV, 2012, vol. 86, no. 5, pp. 058513. ISSN 0031-8949.
Factor impacte 2012 = 1.032
167. [Rosich, A.](#); [Frisk, E.](#); [Aslund, J.](#); [Sarrate, R.](#); [Nejjari, F.](#) [Fault Diagnosis Based on Causal Computations](#). *IEEE Transactions on Systems Man and Cybernetics Part A-Systems and Humans*, MAR, 2012, vol. 42, no. 2, pp. 371-381. ISSN 1083-4427.
Factor impacte 2012 = 2.183
168. [Rue, P.](#); [Domedel-Puig, N.](#); [Garcia-Ojalvo, J.](#); [Pons, A.J.](#) [Integration of Cellular Signals in Chattering Environments](#). *Progress in Biophysics & Molecular Biology*, SEP, 2012, vol. 110, no. 1, pp. 106-112. ISSN 0079-6107.
Factor impacte 2012 = 2.914
169. [Ruiz, J.M.](#); [Fernandez-Garcia, R.](#); [Gil, I.](#); [Morata, M.](#) [Current Consumption and Power Integrity of CMOS Digital Circuits Under NBTI Wearout](#). *Journal of Electronic Testing-Theory and Applications*, DEC, 2012, vol. 28, no. 6, pp. 865-868. ISSN 0923-8174.
Factor impacte 2012 = 0.454
170. [Sainz, Luis](#); [Balcells, J.](#) [Harmonic Interaction Influence due to Current Source Shunt Filters in Networks Supplying Nonlinear Loads](#). *IEEE Transactions on Power Delivery*, JUL, 2012, vol. 27, no. 3, pp. 1385-1393. ISSN 0885-8977.
Factor impacte 2012 = 1.519
171. [Saiz-Arroyo, C.](#); [De Saja, J.A.](#); [Velasco, J.I.](#); [Rodriguez-Perez, M.A.](#) [Moulded Polypropylene Foams Produced using Chemical Or Physical Blowing Agents: Structure-Properties Relationship](#). *Journal of Materials Science*, AUG, 2012, vol. 47, no. 15, pp. 5680-5692. ISSN 0022-2461.
Factor impacte 2012 = 2.163



172. [Sala, M.](#); [Del Rio, A.I.](#); [Molina, J.](#); [Cases, F.](#); [Gutierrez-Bouzan, M.C.](#) [Influence of Cell Design and Electrode Materials on the Decolouration of Dyeing Effluents](#). *International Journal of Electrochemical Science*, DEC, 2012, vol. 7, no. 12, pp. 12470-12488. ISSN 1452-3981.
Factor impacte 2011 = 3.729 (2011)
173. [Sala, M.](#); [Gutierrez-Bouzan, M.C.](#) [Electrochemical Techniques in Textile Processes and Wastewater Treatment](#). *International Journal of Photoenergy*, 2012, pp. 629103. ISSN 1110-662X.
Factor impacte 2012 = 2.663
174. [Sala, V.](#); [Romeral, L.](#) [Theoretical Estimation of Distorting Effects by t\(Rr\) of Parasitic MOSFET-Diode in DCI-NPC Audio Power Amplifiers](#). *IEICE Electronics Express*, MAR 25, 2012, vol. 9, no. 6, pp. 484-490. ISSN 1349-2543.
Factor impacte 2012 = 0.268
175. [Sala, V.](#); [Romeral, L.](#); [Moreno, M.](#) [Theoretical Estimation of Distorting Effects by t\(Rr\) of Clamp Diodes in DCI-NPC Audio Power Amplifiers](#). *IEICE Electronics Express*, 2012, vol. 9, no. 10, pp. 888-894. ISSN 1349-2543.
Factor impacte 2012 = 0.268
176. [Salas-Zapata, W.](#); [Rios-Osorio, L.](#); [Gomez-Arias, R.D.](#); [Alvarez-Del Castillo, X.](#) [Paradigms in the Analysis of Public Health Policies: Limitations and Challenges](#). *Revista Panamericana de Salud Publica-Pan American Journal of Public Health*, JUL, 2012, vol. 32, no. 1, pp. 77-81. ISSN 1020-4989.
Factor impacte 2012 = 0.619
177. [Sanchez-Martin, M.J.](#); [Ramon, E.](#); [Garriga, P.](#) [Improving the Stability of the Visual G-Protein-Coupled Receptor Rhodopsin in DHA Liposomes](#). *FEBS Journal*, SEP, 2012, vol. 279, pp. 471-471. ISSN 1742-464X.
Factor impacte 2012 = 4.250
178. [Scalora, M.](#); [Vincenti, M.A.](#); [De Ceglia, D.](#); [Akozbeq, N.](#); [Roppo, V.](#); [Bloemer, M.J.](#); [Haus, J.W.](#) [Dynamical Model of Harmonic Generation in Centrosymmetric Semiconductors at Visible and UV Wavelengths](#). *Physical Review a*, MAY 8, 2012, vol. 85, no. 5, pp. 053809. ISSN 1050-2947.
Factor impacte 2012 = 3.042
179. [Schwalger, T.](#); [Tiana-Alsina, J.](#); [Torrent, M.C.](#); [Garcia-Ojalvo, J.](#); [Lindner, B.](#) [Interspike-Interval Correlations Induced by Two-State Switching in an Excitable System](#). *EPL*, JUL, 2012, vol. 99, no. 1, pp. 10004. ISSN 0295-5075.
Factor impacte 2012 = 2.260
180. [Sciamanna, M.](#); [Virte, M.](#); [Masoller, C.](#); [Gavrielides, A.](#) [Hopf Bifurcation to Square-Wave Switching in Mutually Coupled Semiconductor Lasers](#). *Physical Review E*, JUL 30, 2012, vol. 86, no. 1, pp. 016218. ISSN 1539-3755.
Factor impacte 2012 = 2.313
181. [Sellares, J.](#); [Diego, J.A.](#); [Canadas, J.C.](#); [Mudarra, M.](#); [Belana, J.](#); [Colomer, P.](#); [Roman, F.](#); [Calventus, Y.](#) [Dielectric Study of the Glass Transition of PET/PEN Blends](#). *Journal of Physics D-Applied Physics*, DEC 19, 2012, vol. 45, no. 50, pp. 505301. ISSN 0022-3727.
Factor impacte 2012 = 2.528
182. [Senturk, O.S.](#); [Helle, L.](#); [Munk-Nielsen, S.](#); [Rodriguez, P.](#); [Teodorescu, R.](#) [Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines](#). *IEEE Transactions on Power Electronics*, JUL, 2012, vol. 27, no. 7, pp. 3195-3206. ISSN 0885-8993.
Factor impacte 2012 = 4.080
183. [Sheng, Y.](#); [Kong, Q.](#); [Roppo, V.](#); [Kalinowski, K.](#); [Wang, Q.](#); [Cojocar, C.](#); [Krolikowski, W.](#) [Theoretical Study of Cerenkov-Type Second-Harmonic Generation in Periodically Poled Ferroelectric Crystals](#). *Journal of the Optical Society of America B-Optical Physics*, MAR 1, 2012, vol. 29, no. 3, pp. 312-318. ISSN 0740-3224.
Factor impacte 2012 = 2.210
184. [Sheng, Y.](#); [Roppo, V.](#); [Ren, M.L.](#); [Kalinowski, K.](#); [Cojocar, C.](#); [Trull, J.](#); [Li, Z.Y.](#); [Koynov, K.](#); [Krolikowski, W.](#) [Multi-Directional Cerenkov Second Harmonic Generation in Two-Dimensional Nonlinear Photonic Crystal](#). *Optics Express*, FEB 13, 2012, vol. 20, no. 4, pp. 3948-3953. ISSN 1094-4087.
Factor impacte 2012 = 3.546
185. [Solorzano, E.](#); [Antunes, M.](#); [Saiz-Arroyo, C.](#); [Rodriguez-Perez, M.A.](#); [Velasco, J.I.](#); [De Saja, J.A.](#) [Optical Expandometry: A Technique to Analyze the Expansion Kinetics of Chemically Blown Thermoplastic Foams](#). *Journal of Applied Polymer Science*, JUL 15, 2012, vol. 125, no. 2, pp. 1059-1067. ISSN 0021-8995.
Factor impacte 2012 = 1.395



186. Sukow, D.W.; Gilfillan, T.; Pope, B.; Torre, M.S.; Gavrielides, A.; [Masoller, C.](#) [Square-Wave Switching in Vertical-Cavity Surface-Emitting Lasers with Polarization-Rotated Optical Feedback: Experiments and Simulations.](#) *Physical Review A*, SEP 12, 2012, vol. 86, no. 3, pp. 033818. ISSN 1050-2947.
Factor impacte 2012 = 3.042
187. Suul, J.A.; [Luna, A.](#); [Rodriguez, P.](#); Undeland, T. [Voltage-Sensor-Less Synchronization to Unbalanced Grids by Frequency-Adaptive Virtual Flux Estimation.](#) *IEEE Transactions on Industrial Electronics*, JUL, 2012, vol. 59, no. 7, pp. 2910-2923. ISSN 0278-0046.
Factor impacte 2012 = 5.165
188. Tiana-Alsina, J.; Hicke, K.; Porte, X.; Soriano, M.C.; [Torrent, M.C.](#); [Garcia-Ojalvo, J.](#); Fischer, I. [Zero-Lag Synchronization and Bubbling in Delay-Coupled Lasers.](#) *Physical Review E*, FEB 21, 2012, vol. 85, no. 2, pp. 026209. ISSN 1539-3755.
Factor impacte 2012 = 2.313
189. [Tornil-Sin, S.](#); [Ocampo-Martinez, C.](#); [Puig, V.](#); [Escobet, T.](#) [Robust Fault Detection of Non-Linear Systems using Set-Membership State Estimation Based on Constraint Satisfaction.](#) *Engineering Applications of Artificial Intelligence*, FEB, 2012, vol. 25, no. 1, pp. 1-10. ISSN 0952-1976.
Factor impacte 2012 = 1.625
190. [Torrent-Burgues, J.](#) [Phase Separation in Mixed Monolayers of Arachidic Acid and a Phthalocyanine of Zinc.](#) *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, FEB 20, 2012, vol. 396, pp. 137-143. ISSN 0927-7757.
Factor impacte 2012 = 2.108
191. [Torrent-Burgues, J.](#); Vocanson, F.; Perez-Gonzalez, J.J.; Errachid, A. [Synthesis, Langmuir and Langmuir-Blodgett Films of a Calix\[7\]Arene Ethyl Ester.](#) *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, MAY 5, 2012, vol. 401, pp. 137-147. ISSN 0927-7757.
Factor impacte 2012 = 2.108
192. [Urresty, J.C.](#); Riba, J.R.; [Romeral, L.](#) [Application of the Zero-Sequence Voltage Component to Detect Stator Winding Inter-Turn Faults in PMSMs.](#) *Electric Power Systems Research*, AUG, 2012, vol. 89, pp. 38-44. ISSN 0378-7796.
Factor impacte 2012 = 1.694
193. [Valderrama, C.](#); Granados, R.; Cortina, J.L.; Gasol, C.M.; Guillem, M.; Josa, A. [Implementation of Best Available Techniques in Cement Manufacturing: A Life-Cycle Assessment Study.](#) *Journal of Cleaner Production*, APR, 2012, vol. 25, pp. 60-67. ISSN 0959-6526.
Factor impacte 2012 = 3.398
194. [Valderrama, C.](#); Ribera, G.; Bahi, N.; Rovira, M.; Gimenez, T.; Nomen, R.; Lluch, S.; Yuste, M.; Martinez-Llado, X. [Winery Wastewater Treatment for Water Reuse Purpose: Conventional Activated Sludge Versus Membrane Bioreactor \(MBR\) A Comparative Case Study.](#) *Desalination*, NOV 15, 2012, vol. 306, pp. 1-7. ISSN 0011-9164.
Factor impacte 2012 = 3.041
195. [Valls, C.](#); [Quintana, E.](#); [Roncero, M.B.](#) [Assessing the Environmental Impact of Biobleaching: Effects of the Operational Conditions.](#) *Bioresource Technology*, JAN, 2012, vol. 104, pp. 557-564. ISSN 0960-8524.
Factor impacte 2012 = 4.750
196. Vila, N.; [Sanchez-Soto, M.](#) [Effects of Poss Nanoparticles on ABS-g-Ma Thermo Oxidation Resistance.](#) *Polymer Composites*, OCT, 2012, vol. 33, no. 10, pp. 1707-1718. ISSN 0272-8397.
Factor impacte 2012 = 1.482
197. [Vilaseca, M.](#); Romero, M.J.; [Arjona, M.](#); Luque, S.O.; [Ondategui, J.C.](#); Salvador, A.; Guell, J.L.; Artal, P.; [Pujol, J.](#) [Grading Nuclear, Cortical and Posterior Subcapsular Cataracts using an Objective Scatter Index Measured with a Double-Pass System.](#) *British Journal of Ophthalmology*, SEP, 2012, vol. 96, no. 9, pp. 1204-1210. ISSN 0007-1161.
Factor impacte 2012 = 2.725
198. Visa, T.; Sanchez, M.; [Lopez-Grimau, V.](#); Navarro, R.; Reche, S.; [Gutierrez-Bouzan, M.C.](#) [Photocatalysis with Titanium Dioxide to Remove Colour of Exhausted Reactive Dye baths without pH Modification.](#) *Desalination and Water Treatment*, JUL, 2012, vol. 45, no. 1-3, pp. 91-99. ISSN 1944-3994.
Factor impacte 2012 = 0.852



199. Visser, A.W.; Mariani, P.; [Pigolotti, S.](#) [Adaptive Behaviour, Tri-Trophic Food-Web Stability and Damping of Chaos.](#) *Journal of the Royal Society Interface*, JUN 7, 2012, vol. 9, no. 71, pp. 1373-1380. ISSN 1742-5689.
Factor impacte 2012 = 4.907
200. Yao, C.; Rodriguez, F.J.; [Martorell, J.](#) [Controlling the Diffused Nonlinear Light Generated in Random Materials.](#) *Optics Letters*, MAY 15, 2012, vol. 37, no. 10, pp. 1676-1678. ISSN 0146-9592.
Factor impacte 2012 = 3.385
201. [Zamora-Munt, J.](#); Ott, E. [Double Transition to Synchronization: A Generic Emergent Transitional Behavior in Large Systems of Coupled Oscillators.](#) *Epl*, MAY, 2012, vol. 98, no. 4, pp. 40007. ISSN 0295-5075.
Factor impacte 2012 = 2.260
202. [Zhang, H.](#); Tan, Y.Q.; Yang, D.M.; [Trias, F.X.](#); Jiang, S.Q.; Sheng, Y.; [Oliva, A.](#) [Numerical Investigation of the Location of Maximum Erosive Wear Damage in Elbow: Effect of Slurry Velocity, Bend Orientation and Angle of Elbow.](#) *Powder Technology*, FEB, 2012, vol. 217, pp. 467-476. ISSN 0032-5910.
Factor impacte 2012 = 2.024
203. Pedraza, A.; [Bravo, E.](#); [Amante, B.](#) [Development in pedagogical tools: Case study videos on innovative local entrepreneurship.](#) *Technics Technologies Education Management-TTEM*, 2012, vol. 7, no. 3, pp. 1115-1124. ISSN 1840-1503
Factor impacte 2012 = 0414
204. Suul, J.A.; [Luna, A.](#); [Rodriguez, P.](#); Undeland, T. [Virtual-Flux-Based Voltage-Sensor-Less Power Control for Unbalanced Grid Conditions.](#) *IEEE Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 4071-4087. ISSN 0885-8993.
Factor impacte 2012 = 4.080
205. Barabas, G.; [Pigolotti, S.](#); Gyllenberg, M.; Dieckmann, U.; Meszner, G. [Continuous coexistence or discrete species? A new review of an old question.](#) *Evolutionary Ecology Research*, JUL, 2012, vol. 14, no 5, pp. 523-554. ISSN 1522-0613
Factor impacte 2012 = 0.921
206. Cencini, M.; [Pigolotti, S.](#); Munoz, M.A. [What Ecological Factors Shape Species-Area Curves in Neutral Models?.](#) *PLOS ONE*, JUN 4, 2012, vol. 7, no 6, article no e38232. ISSN 1932-6203
Factor impacte 2012 = 3.730
207. Pers, B.M.; Krishna, S.; Chakraborty, S.; [Pigolotti, S.](#); Sekara, V.; Semsey, S.; Jensen, M.H. [Effects of Growth and Mutation on Pattern Formation in Tissues.](#) *PLOS ONE*, NOV 7, 2012, vol. 7, no 11, article no e48772. ISSN 1932-6203
Factor impacte 2012 = 3.730
208. [Urresty, J.C.](#); Riba, J.R.; [Delgado, M.](#); [Romeral, L.](#) [Detection of Demagnetization Faults in Surface-Mounted Permanent Magnet Synchronous Motors by Means of the Zero-Sequence Voltage Component.](#) *IEEE Transactions on Energy Conversion*, MAR, 2012, vol. 27, no 1, pp. 42-51. ISSN 0885-8969
Factor impacte 2012 = 2.427
209. [Fillat, U.](#); Prieto, A.; Camarero, S.; Martinez, A.T.; Martinez, M.J. [Biodeinking of flexographic inks by fungal laccases using synthetic and natural mediators.](#) *Biochemical Engineering Journal*, AUG, 15, 2012, Vol. 67, pp. 97-103. ISSN 1369-703X
Factor impacte 2012 = 2.579
210. [Weyler, R.](#); Oliver, J.; Sain, T.; [Cante, J.C.](#) [On the contact domain method: A comparison of penalty and Lagrange multiplier implementations.](#) *Computer methods in applied mechanics and engineering*, 2012, Vol. 205, pp. 68-82. ISSN 0045-7825
Factor impacte 2012 = 2.617
211. [Hernandez-Abad, F.](#); Rojas-Sola, J.I.; [Hernandez-Abad, V.](#); [Ochoa-Vives, M.](#); [Font-Andreu, J.](#); [Hernandez-Diaz, D.](#); Villar-Ribera, R. [Educational Software to Learn the Essentials of Engineering Graphics.](#) *Computer Applications in Engineering Education*, MAR, 2012, vol. 20, no. 1, pp. 1-18. ISSN 1061-3773.
Factor impacte 2012 = 0.333



212. Morancho, J. M.; Salla, J.M.; Cadenato, A.; Fernandez-Francos, X.; [Colomer, P.](#); [Calventus, Y.](#); Ramis, X.; Ruiz, R. [Thermal analysis of enhanced poly\(vinyl alcohol\)-based proton-conducting membranes crosslinked with sulfonation agents for direct methanol fuel cells.](#) *Journal of Applied Polymer Science*, JUN, 25, 2012, Vol. 124, Suppl. 1, pp. E57-E65. ISSN 0021-8995
Factor impacte 2012 = 1.395
213. [Roppo, V.](#); Vincenti, M.A.; De Ceglia, D.; Scalora, M. [Deep-Subwavelength Waveguiding Via Inhomogeneous Second-Harmonic Generation.](#) *Optics Letters*, AUG 1, 2012, vol. 37, no. 15, pp. 3093-3095. ISSN 0146-9592.
Factor impacte 2012 = 3.385
214. Sheng, Y.; [Roppo, V.](#); Kalinowski, K.; Krolikowski, W. [Role of a localized modulation of \$\chi^{\(2\)}\$ in Cerenkov second-harmonic generation in nonlinear bulk medium.](#) *Optics Letters*, SEP 15, 2012, vol. 37, no. 18, pp. 3864-3866. ISSN 0146-9592.
Factor impacte 2012 = 3.385
215. Sheng, Y.; Ma, D.L.; Ren, M.L.; Chen, B.Q.; [Roppo, V.](#); Li, Z.Y.; Koynov, K.; Krolikowski, W. [Broadband Cascading of Second-Order Nonlinearity in Randomized Nonlinear Photonic Crystal.](#) *Journal of Physics D-Applied Physics*, SEP 12, 2012, vol. 45, no. 36, pp. 365105. ISSN 0022-3727.
Factor impacte 2012 = 2.528
216. [Ocampo-Martinez, C.](#); Barcelli, D.; [Puig, V.](#); Bemporad, A. [Hierarchical and Decentralised Model Predictive Control of Drinking Water Networks: Application to Barcelona Case Study.](#) *IET Control Theory and Applications*, JAN, 2012, vol. 6, no. 1, pp. 62-71. ISSN 1751-8644.
Factor impacte 2012 = 1.717
217. Recio-Garrido, D.; [Ocampo-Martinez, C.](#); Serra-Prat, M. [Design of Optimization-Based Controllers Applied to an Ethanol Steam Reformer for Hydrogen Production.](#) *International Journal of Hydrogen Energy*, AUG, 2012, vol. 37, no. 15, pp. 11141-11156. ISSN 0360-3199.
Factor impacte 2012 = 3.548
218. Peterskova, M.; [Valderrama, C.](#); Gibert, O.; Cortina, J.L. [Extraction of Valuable Metal Ions \(Cs, Rb, Li, U\) from Reverse Osmosis Concentrate using Selective Sorbents.](#) *Desalination*, FEB 1, 2012, vol. 286, pp. 316-323. ISSN 0011-9164.
Factor impacte 2012 = 3.041
219. [Valderrama, C.](#); Poch, J.; Barrios, J.; Farran, A.; Cortina, J.L. [Binary Fixed Bed Modeling of Phenol/Aniline Removal from Aqueous Solutions Onto Hyper-Cross-Linked Resin \(Macronet MN200\).](#) *Journal of Chemical and Engineering Data*, MAY, 2012, vol. 57, no. 5, pp. 1502-1508. ISSN 0021-9568.
Factor impacte 2012 = 2.004
220. Wilson, D.; Del Valle, M.; Alegret, S.; [Valderrama, C.](#); Florido, A. [Potentiometric Electronic Tongue-Flow Injection Analysis System for the Monitoring of Heavy Metal Biosorption Processes.](#) *Talanta*, MAY 15, 2012, vol. 93, pp. 285-292. ISSN 0039-9140.
Factor impacte 2012 = 3.498
221. [Rius, A.](#); Lansingh, V.; [Guisasola, L.](#); Carter, M.J.; Eckert, K.A. [Social Inequalities in Blindness and Visual Impairment: A Review of Social Determinants.](#) *Indian Journal of Ophthalmology*, SEP-OCT, 2012, vol. 60, no. 5, pp. 368-375 ISSN 0301-4738.
Factor impacte 2012 = 0.797



Autors més prolífics



- 10 articles - [Pigolotti, Simone](#) ([23](#), [39](#), [106](#), [144](#), [145](#), [166](#), [199](#), [205](#), [206](#), [207](#))
- 10 articles - [Rodriguez Cortes, Pedro](#) ([22](#), [72](#), [114](#), [155](#), [158](#), [159](#), [160](#), [182](#), [187](#), [204](#))
- 10 articles - [Vidal Lluçia, Teresa](#) ([11](#), [12](#), [13](#), [15](#), [19](#), [55](#), [56](#), [57](#), [74](#), [120](#))
- 9 articles - [Quintanilla de Latorre, Ramon](#) ([90](#), [105](#), [119](#), [135](#), [149](#), [150](#), [151](#), [152](#), [153](#))
- 8 articles - [Garcia Ojalvo, Jorge](#) ([18](#), [73](#), [80](#), [116](#), [128](#), [168](#), [179](#), [188](#))
- 7 articles - [Roppo, Vito](#) ([99](#), [178](#), [183](#), [184](#), [213](#), [214](#), [215](#))
- 7 articles - [Staliunas, Kestutis](#) ([38](#), [65](#), [85](#), [101](#), [102](#), [108](#), [143](#))
- 7 articles - [Velasco Perero, Jose Ignacio](#) ([10](#), [14](#), [16](#), [17](#), [77](#), [171](#), [185](#))
- 6 articles - [Roncero Vivero, Maria Blanca](#) ([56](#), [57](#), [58](#), [59](#), [74](#), [195](#))
- 5 articles - [Antunes, Marcelo de Sousa Pais](#) ([10](#), [14](#), [17](#), [77](#), [185](#))
- 5 articles - [Aracri, Elisabetta](#) ([11](#), [12](#), [13](#), [15](#), [19](#))
- 5 articles - [Cardona Torradeflot, Genis](#) ([34](#), [78](#), [95](#), [134](#), [136](#))
- 5 articles - [Gutierrez Bouzan, Maria Carmen](#) ([109](#), [156](#), [172](#), [173](#), [198](#))
- 5 articles - [Luna Alloza, Alvaro](#) ([155](#), [158](#), [160](#), [187](#), [204](#))
- 5 articles - [Macanas de Benito, Jorge](#) ([5](#), [6](#), [7](#), [21](#), [50](#))
- 5 articles - [Romeral Martínez, José Luis](#) ([33](#), [174](#), [175](#), [192](#), [208](#))
- 5 articles - [Sanchez Soto, Miguel](#) ([1](#), [2](#), [40](#), [118](#), [196](#))
- 5 articles - [Tzanov, Tzanko](#) ([47](#), [48](#), [49](#), [64](#), [138](#))
- 5 articles - [Valderrama Angel, Cesar Alberto](#) ([193](#), [194](#), [218](#), [219](#), [220](#))



Revistes amb més articles



IEEE TRANSACTIONS ON POWER ELECTRONICS	7
OPTICS LETTERS	5
JOURNAL OF APPLIED POLYMER SCIENCE	4
BIORESOURCE TECHNOLOGY	3
CATALYSIS TODAY	3
DESALINATION	3
EPL	3
OPTICS EXPRESS	3
PHYSICAL REVIEW A	3
PHYSICAL REVIEW E	3
POLYMER DEGRADATION AND STABILITY	3
AFINIDAD	2
CARBOHYDRATE POLYMERS	2
CELLULOSE	2
COLLOIDS AND SURFACES A PHYSICOCHEMICAL AND ENGINEERING ASPECTS	2
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	2
ELECTRIC POWER SYSTEMS RESEARCH	2
EUROPEAN JOURNAL OF OPHTHALMOLOGY	2
FEBS JOURNAL	2
IEICE ELECTRONICS EXPRESS	2
IET CONTROL THEORY AND APPLICATIONS	2
INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH	2



INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS	2
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2
JOURNAL OF BIOMEDICAL OPTICS	2
JOURNAL OF MATERIALS CHEMISTRY	2
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	2
JOURNAL OF OPTICS	2
JOURNAL OF PHYSICS D-APPLIED PHYSICS	2
PHYSICAL REVIEW LETTERS	2
POLYMERS POLYMER COMPOSITES	2
PLOS ONE	2
SCIENCE OF THE TOTAL ENVIRONMENT	2
THERMOCHIMICA ACTA	2



Articles amb més impacte



[Pons, A.J. Materials Science: Cracks Tamed](#). *Nature*, MAY 10, 2012, vol. 485, no. 7397, pp. 177-178. ISSN 0028-0836.

Factor impacte 2012 = 38.597

Asally, M.; Kittisopikul, M.; [Rue, P.](#); Du, Y.J.; Hu, Z.X.; Cagatay, T.; Robinson, A.B.; Lu, H.B.; [Garcia-Ojalvo, J.](#); Suel, G.M. [Localized Cell Death Focuses Mechanical Forces during 3D Patterning in a Biofilm](#). *Proceedings of the National Academy of Sciences of the United States of America*, NOV 13, 2012, vol. 109, no. 46, pp. 18891-18896. ISSN 0027-8424.

Factor impacte 2012 = 9.737

[Pigolotti, S.](#); Benzi, R.; Jensen, M.H.; Nelson, D.R. [Population Genetics in Compressible Flows](#). *Physical Review Letters*, MAR 23, 2012, vol. 108, no. 12, pp. 128102. ISSN 0031-9007.

Factor impacte 2012 = 7.943

[Pigolotti, S.](#); Bernhardsson, S.; Juul, J.; Galster, G.; Vivo, P. [Equilibrium Strategy and Population-Size Effects in Lowest Unique Bid Auctions](#). *Physical Review Letters*, FEB 22, 2012, vol. 108, no. 8, pp. 088701. ISSN 0031-9007.

Factor impacte 2012 = 7.943

Munoz, S.; [Rue, P.](#); [Garcia-Ojalvo, J.](#); Martinez, A.M. [Correlations between the Levels of Oct4 and Nanog as a Signature for Naive Pluripotency in Mouse Embryonic Stem Cells](#). *Stem Cells*, DEC, 2012, vol. 30, no. 12, pp. 2683-2691. ISSN 1066-5099.

Factor impacte 2012 = 7.701

[Garcia-Ojalvo, J.](#); Martinez, A. [Towards a Statistical Mechanics of Cell Fate Decisions](#). *Current Opinion in Genetics & Development*, DEC, 2012, vol. 22, no. 6, pp. 619-626. ISSN 0959-437X.

Factor impacte 2012 = 7.470

Oatley, D.L.; Llenas, L.; [Perez, R.](#); Williams, P.M.; Martinez-Llado, X.; Rovira, M. [Review of the Dielectric Properties of Nanofiltration Membranes and Verification of the Single Oriented Layer Approximation](#). *Advances in Colloid and Interface Science*, MAY 15, 2012, vol. 173, pp. 1-11. ISSN 0001-8686.

Factor impacte 2012 = 6.169

[Francesko, A.](#); Da Costa, D.S.; Lisboa, P.; Reis, R.L.; Pashkuleva, I.; [Tzanov, T.](#) [GAGs-Thiolated Chitosan Assemblies for Chronic Wounds Treatment: Control of Enzyme Activity and Cell Attachment](#). *Journal of Materials Chemistry*, 2012, vol. 22, no. 37, pp. 19438-19446. ISSN 0959-9428.

Factor impacte 2012 = 6.101



Perelshtein, I.; Ruderman, Y.; Perkas, N.; Traeger, K.; Tzanov, T.; Beddow, J.; Joyce, E.; Mason, T.J.; Blanes, M.; Molla, K.; Gedanken, A. [Enzymatic Pre-Treatment as a Means of Enhancing the Antibacterial Activity and Stability of ZnO Nanoparticles Sonochemically Coated on Cotton Fabrics](#). *Journal of Materials Chemistry*, 2012, vol. 22, no. 21, pp. 10736-10742. ISSN 0959-9428.

Factor impacte 2012 = 6.101

Suul, J.A.; Luna, A.; Rodriguez, P.; Undeland, T. [Voltage-Sensor-Less Synchronization to Unbalanced Grids by Frequency-Adaptive Virtual Flux Estimation](#). *IEEE Transactions on Industrial Electronics*, JUL, 2012, vol. 59, no. 7, pp. 2910-2923. ISSN 0278-0046.

Factor impacte 2012 = 5.165

Visser, A.W.; Mariani, P.; Pigolotti, S. [Adaptive Behaviour, Tri-Trophic Food-Web Stability and Damping of Chaos](#). *Journal of the Royal Society Interface*, JUN 7, 2012, vol. 9, no. 71, pp. 1373-1380. ISSN 1742-5689.

Factor impacte 2012 = 4.907

Barneto, A.G.; Aracri, E.; Andreu, G.; Vidal, T. [Investigating the Structure-Effect Relationships of various Natural Phenols used as Laccase Mediators in the Biobleaching of Kenaf and Sisal Pulps](#). *Bioresource Technology*, MAY, 2012, vol. 112, pp. 327-335. ISSN 0960-8524.

Factor impacte 2012 = 4.750

Garcia-Ubasart, J.; Colom, J.F.; Vila, C.; Gomez, N.; Roncero, M.B. ; Vidal, T. [A New Procedure for the Hydrophobization of Cellulose Fibre using Laccase and a Hydrophobic Phenolic Compound](#). *Bioresource Technology*, MAY, 2012, vol. 112, pp. 341-344. ISSN 0960-8524.

Factor impacte 2012 = 4.750

Valls, C.; Quintana, E.; Roncero, M.B. [Assessing the Environmental Impact of Biobleaching: Effects of the Operational Conditions](#). *Bioresource Technology*, JAN, 2012, vol. 104, pp. 557-564. ISSN 0960-8524.

Factor impacte 2012 = 4.750

Betancur, R.; Martinez-Otero, A.; Elias, X.; Romero-Gomez, P.; Colodrero, S.; Miguez, H.; Martorell, J. [Optical Interference for the Matching of the External and Internal Quantum Efficiencies in Organic Photovoltaic Cells](#). *Solar Energy Materials and Solar Cells*, SEP, 2012, vol. 104, pp. 87-91. ISSN 0927-0248.

Factor impacte 2012 = 4.630

Ramon, E.; Toledo, D.; Aguila, M.; Moore, A.T.; Webster, A.R.; Cheetham, M.E.; Garriga, P. [Molecular Insights into Sector Retinitis Pigmentosa Retinal Disease](#). *FEBS Journal*, SEP, 2012, vol. 279, pp. 429-430. ISSN 1742-464X.

Factor impacte 2012 = 4.250

Sanchez-Martin, M.J.; Ramon, E.; Garriga, P. [Improving the Stability of the Visual G-Protein-Coupled Receptor Rhodopsin in DHA Liposomes](#). *FEBS Journal*, SEP, 2012, vol. 279, pp. 471-471. ISSN 1742-464X.

Factor impacte 2012 = 4.250



Alonso, A.; Munoz-Berbel, X.; Vignes, N.; [Macanas](#), J.; Munoz, M.; Mas, J.; Muraviev, D.N. [Characterization of Fibrous Polymer Silver/Cobalt Nanocomposite with Enhanced Bactericide Activity](#). *Langmuir*, JAN 10, 2012, vol. 28, no. 1, pp. 783-790. ISSN 0743-7463.

Factor impacte 2012 = 4.187

[Pou](#), J.; [Zaragoza](#), J.; [Ceballos](#), S.; Saedifard, M.; Boroyevich, D. [A Carrier-Based PWM Strategy with Zero-Sequence Voltage Injection for a Three-Level Neutral-Point-Clamped Converter](#). *IEEE Transactions on Power Electronics*, FEB, 2012, vol. 27, no. 2, pp. 642-651. ISSN 0885-8993.

Factor impacte 2012 = 4.080

Reyes, M.; [Rodriguez](#), P.; Vazquez, S.; [Luna](#), A.; Teodorescu, R.; Carrasco, J.M. [Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions](#). *IEEE Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 3934-3943. ISSN 0885-8993.

Factor impacte 2012 = 4.080

[Rocabert](#), J.; [Luna](#), A.; Blaabjerg, F.; [Rodriguez](#), P. [Control of Power Converters in AC Microgrids](#). *IEEE Transactions on Power Electronics*, NOV, 2012, vol. 27, no. 11, pp. 4734-4749. ISSN 0885-8993.

Factor impacte 2012 = 4.080

[Rodriguez](#), P.; Bellar, M.D.; [Munoz-Aguilar](#), R.S.; [Busquets-Monge](#), S.; Blaabjerg, F. [Multilevel-Clamped Multilevel Converters \(MLC2\)](#). *IEEE Transactions on Power Electronics*, MAR, 2012, vol. 27, no. 3, pp. 1055-1060. ISSN 0885-8993.

Factor impacte 2012 = 4.080

[Rodriguez](#), P.; [Luna](#), A.; [Munoz-Aguilar](#), R.S.; Etxeberria-Otadui, I.; Teodorescu, R.; Blaabjerg, F. [A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions](#). *IEEE Transactions on Power Electronics*, JAN, 2012, vol. 27, no. 1. ISSN 0885-8993.

Factor impacte 2012 = 4.080

Senturk, O.S.; Helle, L.; Munk-Nielsen, S.; [Rodriguez](#), P.; Teodorescu, R. [Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines](#). *IEEE Transactions on Power Electronics*, JUL, 2012, vol. 27, no. 7, pp. 3195-3206. ISSN 0885-8993.

Factor impacte 2012 = 4.080

Suul, J.A.; [Luna](#), A.; [Rodriguez](#), P.; Undeland, T. [Virtual-Flux-Based Voltage-Sensor-Less Power Control for Unbalanced Grid Conditions](#). *IEEE Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 4071-4087. ISSN 0885-8993.

Factor impacte 2012 = 4.080



[Codony, F.; Martin, L.; Adrados, B.; Agusti, G.; Fittipaldi, M.; Morato, J. Amoeba-Related Health Risk in Drinking Water Systems: Could Monitoring of Amoebae be a Complementary Approach to Current Quality Control Strategies?. *Future Microbiology*, JAN, 2012, vol. 7, no. 1, pp. 25-31. ISSN 1746-0913.](#)

Factor impacte 2012 = 4.018



Articles més citats

15 citacions - [Rodriguez, P.](#); [Luna, A.](#); [Munoz-Aguilar, R.S.](#); Etxeberria-Otadui, I.; Teodorescu, R.; Blaabjerg, F. [A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions](#). *IEEE Transactions on Power Electronics*, JAN, 2012, vol. 27, no. 1. ISSN 0885-8993.

Factor impacte 2012 = 4.080

11 citacions - [Pou, J.](#); [Zaragoza, J.](#); [Ceballos, S.](#); Saeedifard, M.; Boroyevich, D. [A Carrier-Based PWM Strategy with Zero-Sequence Voltage Injection for a Three-Level Neutral-Point-Clamped Converter](#). *IEEE Transactions on Power Electronics*, FEB, 2012, vol. 27, no. 2, pp. 642-651. ISSN 0885-8993.

Factor impacte 2012 = 4.080

10 citacions – [Fillat, A.](#); Gallardo, O.; [Vidal, T.](#); Pastor, F.I.J.; Diaz, P.; [Roncero, M.B.](#) [Enzymatic Grafting of Natural Phenols to Flax Fibres: Development of Antimicrobial Properties](#). *Carbohydrate Polymers*, JAN 4, 2012, vol. 87, no. 1, pp. 146-152. ISSN 0144-8617.

Factor impacte 2012 = 3.479

10 citacions - [Valderrama, C.](#); Granados, R.; Cortina, J.L.; Gasol, C.M.; Guillem, M.; Josa, A. [Implementation of Best Available Techniques in Cement Manufacturing: A Life-Cycle Assessment Study](#). *Journal of Cleaner Production*, APR, 2012, vol. 25, pp. 60-67. ISSN 0959-6526.

Factor impacte 2012 = 3.398

8 citacions – Asally, M.; Kittisopikul, M.; [Rue, P.](#); Du, Y.J.; Hu, Z.X.; Cagatay, T.; Robinson, A.B.; Lu, H.B.; [Garcia-Ojalvo, J.](#); Suel, G.M. [Localized Cell Death Focuses Mechanical Forces during 3D Patterning in a Biofilm](#). *Proceedings of the National Academy of Sciences of the United States of America*, NOV 13, 2012, vol. 109, no. 46, pp. 18891-18896. ISSN 0027-8424.

Factor impacte 2012 = 9.737

8 citacions – [Garcia-Ubasart, J.](#); [Colom, J.F.](#); [Vila, C.](#); Gomez, N.; [Roncero, M.B.](#); [Vidal, T.](#) [A New Procedure for the Hydrophobization of Cellulose Fibre using Laccase and a Hydrophobic Phenolic Compound](#). *Bioresource Technology*, MAY, 2012, vol. 112, pp. 341-344. ISSN 0960-8524.

Factor impacte 2012 = 4.750



7 citacions – [Aracri, E;](#) [Valls, C.;](#) [Vidal, T.](#) [Paper Strength Improvement by Oxidative Modification of Sisal Cellulose Fibers with Laccase-TEMPO System: Influence of the Process Variables.](#) *Carbohydrate Polymers*, APR 15, 2012, vol. 88, no. 3, pp. 830-837. ISSN 0144-8617.

Factor impacte 2012 = 3.479

7 citacions – [Rocabert, J.;](#) [Luna, A.;](#) [Blaabjerg, F.;](#) [Rodriguez, P.](#) [Control of Power Converters in AC Microgrids.](#) *IEEE Transactions on Power Electronics*, NOV, 2012, vol. 27, no. 11, pp. 4734-4749. ISSN 0885-8993.

Factor impacte 2012 = 4.080

6 citacions – [Fittipaldi, M.;](#) [Nocker, A.;](#) [Codony, F.](#) [Progress in Understanding Preferential Detection of Live Cells using Viability Dyes in Combination with DNA Amplification.](#) *Journal of Microbiological Methods*, NOV, 2012, vol. 91, no. 2, pp. 276-289. ISSN 0167-7012.

Factor impacte 2012 = 2.161

6 citacions – [Pico, R.;](#) [Sanchez-Morcillo, V.J.;](#) [Perez-Adona, I.;](#) [Staliunas, K.](#) [Spatial Filtering of Sound Beams by Sonic Crystals.](#) *Applied Acoustics*, APR, 2012, vol. 73, no. 4, pp. 302-306. ISSN 0003-682X.

Factor impacte 2012 = 1.097

6 citacions – [Urresty, J.C.;](#) [Riba, J.R.;](#) [Delgado, M.;](#) [Romeral, L.](#) [Detection of Demagnetization Faults in Surface-Mounted Permanent Magnet Synchronous Motors by Means of the Zero-Sequence Voltage Component.](#) *IEEE Transactions on Energy Conversion*, MAR, 2012, vol. 27, no 1, pp. 42-51. ISSN 0885-8969

Factor impacte 2012 = 2.427

5 citacions – [Abt, T.;](#) [Sanchez-Soto, M.;](#) [Martinez, A.](#) [Toughening of in Situ Polymerized Cyclic Butylene Terephthalate by Chain Extension with a Bifunctional Epoxy Resin.](#) *European Polymer Journal*, JAN, 2012, vol. 48, no. 1, pp. 163-171. ISSN 0014-3057.

Factor impacte 2012 = 2.562

5 citacions – [Senturk, O.S.;](#) [Helle, L.;](#) [Munk-Nielsen, S.;](#) [Rodriguez, P.;](#) [Teodorescu, R.](#) [Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines.](#) *IEEE Transactions on Power Electronics*, JUL, 2012, vol. 27, no. 7, pp. 3195-3206. ISSN 0885-8993.

Factor impacte 2012 = 4.080

5 citacions – [Suul, J.A.;](#) [Luna, A.;](#) [Rodriguez, P.;](#) [Undeland, T.](#) [Voltage-Sensor-Less Synchronization to Unbalanced Grids by Frequency-Adaptive Virtual Flux Estimation.](#) *IEEE Transactions on Industrial Electronics*, JUL, 2012, vol. 59, no. 7, pp. 2910-2923. ISSN 0278-0046.

Factor impacte 2012 = 5.165



4 citacions – Betancur, R.; Martínez-Otero, A.; Elias, X.; Romero-Gomez, P.; Colodrero, S.; Miguez, H.; [Martorell, J. Optical Interference for the Matching of the External and Internal Quantum Efficiencies in Organic Photovoltaic Cells](#). *Solar Energy Materials and Solar Cells*, SEP, 2012, vol. 104, pp. 87-91. ISSN 0927-0248.

Factor impacte 2012 = 4.630

4 citacions – Cima, A.; Gasull, A.; [Manosa, V. On 2-and 3-Periodic Lyness Difference Equations](#). *Journal of Difference Equations and Applications*, 2012, vol. 18, no. 5, pp. 849-864. ISSN 1023-6198.

Factor impacte 2012 = 0.743

4 citacions – [Fillat, A.](#); [Roncero, M.B.](#); [Vidal, T. Elucidating the Effects of Laccase-Modifying Compounds Treatments on Bast and Core Fibers in Flax Pulp](#). *Biotechnology and Bioengineering*, JAN, 2012, vol. 109, no. 1, pp. 225-233. ISSN 0006-3592.

Factor impacte 2012 = 3.648

4 citacions – [Jaramillo, J. E.](#); [Trias, F. X.](#); [Gorobets, A.](#); [Perez-Segarra, C.D.](#); [Oliva, A. DNS and RANS Modelling of a Turbulent Plane Impinging Jet](#). *International Journal of Heat and Mass Transfer*, JAN 31, 2012, vol. 55, no. 4, pp. 789-801. ISSN 0017-9310.

Factor impacte 2012 = 2.315

4 citacions – Oatley, D.L.; Llenas, L.; [Perez, R.](#); Williams, P.M.; Martínez-Llado, X.; Rovira, M. [Review of the Dielectric Properties of Nanofiltration Membranes and Verification of the Single Oriented Layer Approximation](#). *Advances in Colloid and Interface Science*, MAY 15, 2012, vol. 173, pp. 1-11. ISSN 0001-8686.

Factor impacte 2012 = 6.169

4 citacions – Perelshtein, I.; Ruderman, Y.; Perkas, N.; Traeger, K.; [Tzanov, T.](#); Beddow, J.; Joyce, E.; Mason, T.J.; Blanes, M.; Molla, K.; Gedanken, A. [Enzymatic Pre-Treatment as a Means of Enhancing the Antibacterial Activity and Stability of ZnO Nanoparticles Sonochemically Coated on Cotton Fabrics](#). *Journal of Materials Chemistry*, 2012, vol. 22, no. 21, pp. 10736-10742. ISSN 0959-9428.

Factor impacte 2012 = 6.101

4 citacions – Reyes, M.; [Rodríguez, P.](#); Vazquez, S.; [Luna, A.](#); Teodorescu, R.; Carrasco, J.M. [Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions](#). *IEEE Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 3934-3943. ISSN 0885-8993.

Factor impacte 2012 = 4.080



Institucions amb més col·laboracions



CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS CSIC	18
UNIVERSITAT AUTÒNOMA DE BARCELONA	17
AALBORG UNIVERSITY	6
AUSTRALIAN NATIONAL UNIVERSITY	6
NIELS BOHR INSTITUTE	6
ICREA INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS	4
UNIVERSITAT POMPEU FABRA	4
UNIVERSIDAD DE VALLADOLID	4
ABENGOA RES	3
FUNDACIO CTM CENTRE TECNOLÒGIC DE MANRESA	3
ICFO INSTITUT DE CIÈNCIES FOTÒNIQUES	3
MAX PLANCK SOCIETY	3
NORWEGIAN UNIVERSITY OF SCIENCE TECHNOLOGY	3
UNIVERSITAT POLITÈCNICA DE VALENCIA	3
UNIVERSITAT DE BARCELONA	3
UNIVERSITY OF COPENHAGEN	3
ALIGARH MUSLIM UNIVERSITY	2
BAOLAB MICROSYSTEMS	2
BULGARIAN ACADEMY OF SCIENCES	2



CARDIFF UNIVERSITY	2
CASE WESTERN RESERVE UNIVERSITY	2
CHINESE ACADEMY OF SCIENCES	2
HARVARD UNIVERSITY	2
HELMHOLTZ ASSOCIATION	2
ISTITUTO NAZIONALE DI FISICA NUCLEARE	2
LEITAT TECHNOLOGICAL CENTER	2
LONDON METROPOLITAN UNIVERSITY	2
MONDRAGON UNIBERTSITATEA	2
RDECOM	2
TATA INSTITUTE OF FUNDAMENTAL RESEARCH	2
UNIVERSIDAD DE ANTIOQUIA	2
UNIVERSIDAD DE HUELVA	2
UNIVERSIDAD DE JAEN	2
UNIVERSITAT JAUME I	2
UNIVERSITY OF CALIFORNIA SYSTEM	2
UNIVERSITY OF CAMBRIDGE	2
UNIVERSITY OF ROME TOR VERGATA	2
UNIVERSIDAD DE SEVILLA	2
UNIVERSITY OF SOFIA	2
CENTRO TECNOLÓGICO DEL AGUA CETAQUA	2



Països amb més col·laboracions



 USA	18
 DENMARK	13
 ENGLAND	12
 GERMANY	9
 AUSTRALIA	6
 COLOMBIA	6
 FRANCE	6
 ITALY	6
 PEOPLES R CHINA	6
 INDIA	5
 ARGENTINA	4
 BRAZIL	4
 MEXICO	3
 NETHERLANDS	3
 NORWAY	3
 WALES	3
 DENMARK	2
 BULGARIA	2
 FINLAND	2
 POLAND	2
 SWEDEN	2
 SWITZERLAND	2



Àrees temàtiques amb més articles



ENGINEERING ELECTRICAL ELECTRONIC	29
OPTICS	22
POLYMER SCIENCE	19
CHEMISTRY PHYSICAL	16
ENGINEERING CHEMICAL	15
MATHEMATICS APPLIED	14
BIOTECHNOLOGY APPLIED MICROBIOLOGY	12
ENERGY FUELS	10
MATHEMATICS	10
MECHANICS	10
OPHTHALMOLOGY	11
PHYSICS APPLIED	10
MATERIALS SCIENCE MULTIDISCIPLINARY	9
ENGINEERING MECHANICAL	8
ENGINEERING MULTIDISCIPLINARY	8
PHYSICS MULTIDISCIPLINARY	8
ENVIRONMENTAL SCIENCES	7
MULTIDISCIPLINARY SCIENCES	7
AUTOMATION CONTROL SYSTEMS	6
CHEMISTRY APPLIED	6



CHEMISTRY MULTIDISCIPLINARY	6
MATERIALS SCIENCE COMPOSITES	6
BIOCHEMISTRY MOLECULAR BIOLOGY	5
MATERIALS SCIENCE TEXTILES	5
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	5
PHYSICS MATHEMATICAL	5
CHEMISTRY ANALYTICAL	4
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	4
MATERIALS SCIENCE PAPER WOOD	4
MICROBIOLOGY	4
PHYSICS ATOMIC MOLECULAR CHEMICAL	4
PHYSICS FLUIDS PLASMAS	4
THERMODYNAMICS	4
WATER RESOURCES	4
AGRICULTURAL ENGINEERING	3
BIOCHEMICAL RESEARCH METHODS	3
CONSTRUCTION BUILDING TECHNOLOGY	3
EDUCATION SCIENTIFIC DISCIPLINES	3
ELECTROCHEMISTRY	3
ENGINEERING CIVIL	3
ENGINEERING ENVIRONMENTAL	3
INSTRUMENTS INSTRUMENTATION	3
MATERIALS SCIENCE CHARACTERIZATION TESTING	3
OPERATIONS RESEARCH MANAGEMENT SCIENCE	3
	2



CELL BIOLOGY	
CHEMISTRY ORGANIC	2
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	2
COMPUTER SCIENCE CYBERNETICS	2
GENETICS HEREDITY	2
MANAGEMENT	2



Articles més citats

2008-2012

243 citacions - Kouro, S.; Malinowski, M.; Gopakumar, K.; [Pou, J.](#); Franquelo, L.G.; Wu, B.; Rodriguez, J.; Perez, M.A.; Leon, J.I. [Recent Advances and Industrial Applications of Multilevel Converters](#). *IEEE Transactions on Industrial Electronics*, AUG, 2010, vol. 57, no. 8, pp. 2553-2580 ISSN 0278-0046.

140 citacions - Kalmar, T.; Lim, C.; Hayward, P.; Munoz-Descalzo, S.; Nichols, J.; [Garcia-Ojalvo, J.](#); Arias, A.M. [Regulated Fluctuations in Nanog Expression Mediate Cell Fate Decisions in Embryonic Stem Cells](#). *PLOS Biology*, JUL, 2009, vol. 7, no. 7, pp. e1000149 ISSN 1544-9173.

108 citacions - Sprinzak, D.; Lakhanpal, A.; LeBon, L.; Santat, L.A.; Fontes, M.E.; Anderson, G.A.; Garcia-Ojalvo, J.; Elowitz, M.B. [Cis-Interactions between Notch and Delta Generate Mutually Exclusive Signalling States](#). *Nature*, MAY 6, 2010, vol. 465, no. 7294, pp. 86-U95 ISSN 0028-0836.

106 citacions - Timbus, A.; Liserre, M.; Teodorescu, R.; [Rodriguez, P.](#); Blaabjerg, F. [Evaluation of Current Controllers for Distributed Power Generation Systems](#). *IEEE Transactions on Power Electronics*, MAR-APR, 2009, vol. 24, no. 3-4, pp. 654-664 ISSN 0885-8993.

88 citacions - Cagatay, T.; Turcotte, M.; Elowitz, M.B.; Garcia-Ojalvo, J.; Suel, G.M. [Architecture-Dependent Noise Discriminates Functionally Analogous Differentiation Circuits](#). *Cell*, OCT 30, 2009, vol. 139, no. 3, pp. 512-522 ISSN 0092-8674.

65 citacions - Carrasco, F.; [Pagès, P.](#); [Gámez-Pérez, J.](#); [Santana, O. O.](#); [MasPOCH, M. L.](#) [Processing of Poly\(Lactic Acid\): Characterization of Chemical Structure, Thermal Stability and Mechanical Properties](#). *Polymer Degradation and Stability*, FEB, 2010, vol. 95, no. 2, pp. 116-125. ISSN 0141-3910.

61 citacions - [Rodriguez, P.](#); [Luna, A.](#); [Candela, I.](#); [Mujal, R.](#); Teodorescu, R.; Blaabjerg, F. [Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.



59 citacions - [Valls, C.](#); [Roncero, M.B.](#) [Using both Xylanase and Laccase Enzymes for Pulp Bleaching](#). *Bioresource Technology*, MAR, 2009, vol. 100, no. 6, pp. 2032-2039 ISSN 0960-8524.

58 citacions - Vasquez, J.C.; Guerrero, J.M.; [Luna, A.](#); [Rodriguez, P.](#); Teodorescu, R. [Adaptive Droop Control Applied to Voltage-Source Inverters Operating in Grid-Connected and Islanded Modes](#). *IEEE Transactions on Industrial Electronics*, OCT, 2009, vol. 56, no. 10, pp. 4088-4096. ISSN 0278-0046.

50 citacions - Buschbeck, M.; Uribesalgo, I.; Wibowo, I.; [Rue, P.](#); Martin, D.; Gutierrez, A.; Morey, L.; Guigo, R.; Lopez-Schier, H.; Di Croce, L. [The Histone Variant macroH2A is an Epigenetic Regulator of Key Developmental Genes](#). *Nature Structural & Molecular Biology*, OCT, 2009, vol. 16, no. 10, pp. 1074-U95. ISSN 1545-9985.

49 citacions - [Fillat, A.](#); [Colom-Pastor, J.F.](#); [Vidal, T.](#) [A New Approach to the Biobleaching of Flax Pulp with Laccase using Natural Mediators](#). *Bioresource Technology*, JUN, 2010, vol. 101, no. 11, pp. 4104-4110. ISSN 0960-8524.

49 citacions - Kuster, M.; Lopez, M.J.; Barata, C.; [Raldua, D.](#); Barcelo, D. [Analysis of 17 Polar to Semi-Polar Pesticides in the Ebro River Delta during the Main Growing Season of Rice by Automated on-Line Solid-Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry](#). *Talanta*, APR 15, 2008, vol. 75, no. 2, pp. 390-401. ISSN 0039-9140.

48 citacions - Neubert, T.; Rycroft, M.; Farges, T.; Blanc, E.; Chanrion, O.; Arnone, E.; Odzimek, A.; Arnold, N.; Enell, C.F.; Turunen, E.; Bosinger, T.; Mika, A.; Haldoupis, C.; Steiner, R.J.; Van der Velde, O.; Soula, S.; Berg, P.; Boberg, F.; Thejll, P.; Christiansen, B.; Ignaccolo, M.; Fullekrug, M.; Verronen, P.T.; [Montanya, J.](#); Crosby, N. [Recent Results from Studies of Electric Discharges in the Mesosphere](#). *Surveys in Geophysics*, MAR, 2008, vol. 29, no. 2, pp. 71-137. ISSN 0169-3298.

47 citacions - Matoba, O.; Nomura, T.; [Perez-Cabre, E.](#); [Millan, M.S.](#); Javidi, B. [Optical Techniques for Information Security](#). *Proceedings of the IEEE*, JUN, 2009, vol. 97, no. 6, pp. 1128-1148. ISSN 0018-9219.

0 citacions - [Aracri, E.](#); [Colom, J.F.](#); [Vidal, T.](#) [Application of Laccase-Natural Mediator Systems to Sisal Pulp: An Effective Approach to Biobleaching Or Functionalizing Pulp Fibres?](#). *Bioresource Technology*, DEC, 2009, vol. 100, no. 23, pp. 5911-5916. ISSN 0960-8524.



Autors més prolífics

2008-2012



Quintanilla de la Torre , Ramón	52 articles
Vidal Lluciá , Teresa	44 articles
Staliunas , Kestutis	40 articles
Garcia Ojalvo , Jorge	38 articles
Velasco Perero , Jose Ignacio	34 articles
Oliva Llana , Asensio	33 articles
Masoller Alonso , Cristina	30 articles
Roncero Vivero , María Blanca	26 articles
Tzanov , Tzanov	26 articles
Rodriguez Cortes , Pedro	24 articles
Pérez Segarra , Carlos David	23 articles
Roppo , Vito	23 articles
Puig Cayuela , Vicenç	22 articles
Antunes , Marcelo de Sousa Pais	21 articles



Articles més citats

2008-2012

15 articles més citats publicats entre el 2008 i el 2012 (a 26.09.2013):

243 citacions - Kouro, S.; Malinowski, M.; Gopakumar, K.; [Pou, J.](#); Franquelo, L.G.; Wu, B.; Rodriguez, J.; Perez, M.A.; Leon, J.I. [Recent Advances and Industrial Applications of Multilevel Converters](#). *IEEE Transactions on Industrial Electronics*, AUG, 2010, vol. 57, no. 8, pp. 2553-2580 ISSN 0278-0046.

140 citacions - Kalmar, T.; Lim, C.; Hayward, P.; Munoz-Descalzo, S.; Nichols, J.; [Garcia-Ojalvo, J.](#); Arias, A.M. [Regulated Fluctuations in Nanog Expression Mediate Cell Fate Decisions in Embryonic Stem Cells](#). *PLOS Biology*, JUL, 2009, vol. 7, no. 7, pp. e1000149 ISSN 1544-9173.

108 citacions - Sprinzak, D.; Lakhanpal, A.; LeBon, L.; Santat, L.A.; Fontes, M.E.; Anderson, G.A.; [Garcia-Ojalvo, J.](#); Elowitz, M.B. [Cis-Interactions between Notch and Delta Generate Mutually Exclusive Signalling States](#). *Nature*, MAY 6, 2010, vol. 465, no. 7294, pp. 86-U95 ISSN 0028-0836.

106 citacions - Timbus, A.; Liserre, M.; Teodorescu, R.; [Rodriguez, P.](#); Blaabjerg, F. [Evaluation of Current Controllers for Distributed Power Generation Systems](#). *IEEE Transactions on Power Electronics*, MAR-APR, 2009, vol. 24, no. 3-4, pp. 654-664 ISSN 0885-8993.

88 citacions - Cagatay, T.; Turcotte, M.; Elowitz, M.B.; [Garcia-Ojalvo, J.](#); Suel, G.M. [Architecture-Dependent Noise Discriminates Functionally Analogous Differentiation Circuits](#). *Cell*, OCT 30, 2009, vol. 139, no. 3, pp. 512-522 ISSN 0092-8674.

65 citacions - Carrasco, F.; [Pagès, P.](#); [Gámez-Pérez, J.](#); [Santana, O. O.](#); [Maspoch, M. L.](#) [Processing of Poly\(Lactic Acid\): Characterization of Chemical Structure, Thermal Stability and Mechanical Properties](#). *Polymer Degradation and Stability*, FEB, 2010, vol. 95, no. 2, pp. 116-125. ISSN 0141-3910.

61 citacions - [Rodriguez, P.](#); [Luna, A.](#); [Candela, I.](#); [Mujal, R.](#); Teodorescu, R.; Blaabjerg, F. [Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions](#). *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.

59 citacions - [Valls, C.](#); [Roncero, M.B.](#) [Using both Xylanase and Laccase Enzymes for Pulp Bleaching](#). *Bioresource Technology*, MAR, 2009, vol. 100, no. 6, pp. 2032-2039 ISSN 0960-8524.



58 citacions - Vasquez, J.C.; Guerrero, J.M.; [Luna, A.](#); [Rodriguez, P.](#); Teodorescu, R. [Adaptive Droop Control Applied to Voltage-Source Inverters Operating in Grid-Connected and Islanded Modes](#). *IEEE Transactions on Industrial Electronics*, OCT, 2009, vol. 56, no. 10, pp. 4088-4096. ISSN 0278-0046.

50 citacions - Buschbeck, M.; Uribesalgo, I.; Wibowo, I.; [Rue, P.](#); Martin, D.; Gutierrez, A.; Morey, L.; Guigo, R.; Lopez-Schier, H.; Di Croce, L. [The Histone Variant macroH2A is an Epigenetic Regulator of Key Developmental Genes](#). *Nature Structural & Molecular Biology*, OCT, 2009, vol. 16, no. 10, pp. 1074-U95. ISSN 1545-9985.

49 citacions - [Fillat, A.](#); [Colom-Pastor, J.F.](#); [Vidal, T.](#) [A New Approach to the Biobleaching of Flax Pulp with Laccase using Natural Mediators](#). *Bioresource Technology*, JUN, 2010, vol. 101, no. 11, pp. 4104-4110. ISSN 0960-8524.

49 citacions - Kuster, M.; Lopez, M.J.; Barata, C.; [Raldua, D.](#); Barcelo, D. [Analysis of 17 Polar to Semi-Polar Pesticides in the Ebro River Delta during the Main Growing Season of Rice by Automated on-Line Solid-Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry](#). *Talanta*, APR 15, 2008, vol. 75, no. 2, pp. 390-401. ISSN 0039-9140.

48 citacions - Neubert, T.; Rycroft, M.; Farges, T.; Blanc, E.; Chanrion, O.; Arnone, E.; Odzimek, A.; Arnold, N.; Enell, C.F.; Turunen, E.; Bosinger, T.; Mika, A.; Haldoupis, C.; Steiner, R.J.; Van der Velde, O.; Soula, S.; Berg, P.; Boberg, F.; Thejll, P.; Christiansen, B.; Ignaccolo, M.; Fullekrug, M.; Verronen, P.T.; [Montanya, J.](#); Crosby, N. [Recent Results from Studies of Electric Discharges in the Mesosphere](#). *Surveys in Geophysics*, MAR, 2008, vol. 29, no. 2, pp. 71-137. ISSN 0169-3298.

47 citacions - Matoba, O.; Nomura, T.; [Perez-Cabre, E.](#); [Millan, M.S.](#); Javidi, B. [Optical Techniques for Information Security](#). *Proceedings of the IEEE*, JUN, 2009, vol. 97, no. 6, pp. 1128-1148. ISSN 0018-9219.

40 citacions - [Aracri, E.](#); [Colom, J.F.](#); [Vidal, T.](#) [Application of Laccase-Natural Mediator Systems to Sisal Pulp: An Effective Approach to Biobleaching Or Functionalizing Pulp Fibres?](#). *Bioresource Technology*, DEC, 2009, vol. 100, no. 23, pp. 5911-5916. ISSN 0960-8524.



Autors més prolífics

2008-2012



14 autors/res més prolífics/ques entre el 2008 i el 2012:

Quintanilla de la Torre , Ramón	52 articles
Vidal Lluçia , Teresa	44 articles
Staliunas , Kestutis	40 articles
Garcia Ojalvo , Jorge	38 articles
Velasco Perero , Jose Ignacio	34 articles
Oliva Llena , Asensio	33 articles
Masoller Alonso , Cristina	30 articles
Roncero Vivero , María Blanca	26 articles
Tzanov , Tzanov	26 articles
Rodriguez Cortes , Pedro	24 articles
Pérez Segarra , Carlos David	23 articles
Roppo , Vito	23 articles
Puig Cayuela , Vicenç	22 articles
Antunes , Marcelo de Sousa Pais	21 articles



Articles

2008-2012



ABLANQUE, N., et al. Two-Phase Flow Distribution in Multiple Parallel Tubes. *International Journal of Thermal Sciences*, JUN, 2010, vol. 49, no. 6, pp. 909-921. ISSN 1290-0729.

ABLANQUE, N., et al. Critical Analysis of the Available Ammonia Horizontal in-Tube Flow Boiling Heat Transfer Correlations for Liquid Overfeed Evaporators. *Journal of Heat Transfer-Transactions of the Asme*, MAR, 2008, vol. 130, no. 3, pp. 034502. ISSN 0022-1481.

ABRIL, H. C.; MILLAN, M. S. and VALENCIA, E. Influence of the Wrinkle Perception with Distance in the Objective Evaluation of Fabric Smoothness. *Journal of Optics A-Pure and Applied Optics*, OCT, 2008, vol. 10, no. 10, pp. 104030. ISSN 1464-4258.

ABT, Tobias, et al. Toughening of in Situ Polymerized Cyclic Butylene Terephthalate by Addition of Tetrahydrofuran. *Polymer International*, APR, 2011, vol. 60, no. 4, pp. 549-556. ISSN 0959-8103.

ABT, Tobias; SANCHEZ-SOTO, Miguel and MARTINEZ DE ILARDUYA, Antxon. Toughening of in Situ Polymerized Cyclic Butylene Terephthalate by Chain Extension with a Bifunctional Epoxy Resin. *European Polymer Journal*, JAN, 2012, vol. 48, no. 1, pp. 163-171. ISSN 0014-3057.

ADRADOS, Barbara, et al. Prevalence and Concentration of Non-Tuberculous Mycobacteria in Cooling Towers by Means of Quantitative PCR: A Prospective Study. *Current Microbiology*, JAN, 2011, vol. 62, no. 1, pp. 313-319. ISSN 0343-8651.

AGIRREGOMEZKORTA, A., et al. Impact Behaviour of Carbon Fibre Reinforced Epoxy and Non-Isothermal Cyclic Butylene Terephthalate Composites Manufactured by Vacuum Infusion. *Composites Part B-Engineering*, JUL, 2012, vol. 43, no. 5, pp. 2249-2256. ISSN 1359-8368.

AGUDELO, R. M., et al. Monitoring Bacterial Faecal Contamination in Waters using Multiplex Real-Time PCR Assay for Bacteroides Spp. and Faecal Enterococci. *Water Sa*, JAN, 2010, vol. 36, no. 1, pp. 127-132. ISSN 0378-4738.

AGUILA, Monica, et al. Structural Coupling of 11-Cis-7-Methyl-Retinal and Amino Acids at the Ligand Binding Pocket of Rhodopsin. *Photochemistry and Photobiology*, MAR-APR, 2009, vol. 85, no. 2, pp. 485-493. ISSN 0031-8655.



AGUSTI, Gemma, et al. Viability Determination of Helicobacter Pylori using Propidium Monoazide Quantitative PCR. *Helicobacter*, OCT, 2010, vol. 15, no. 5, pp. 473-476. ISSN 1083-4389.

ALBA-BUENO, Francisco, et al. Corneal Shape Changes Induced by First and Second Generation Silicone Hydrogel Contact Lenses in Daily Wear. *Contact Lens & Anterior Eye*, APR, 2009, vol. 32, no. 2, pp. 88-92. ISSN 1367-0484.

ALBA-BUENO, Francisco; and MILLAN, Maria S. Defocus Correction in the Optical System of the Eye: Unconventional Degrees of Freedom. *Journal of Biomedical Optics*, JAN, 2011, vol. 16, no. 1, pp. 016010. ISSN 1083-3668.

ALBAREDA-SAMBOLA, Maria, et al. The Single Period Coverage Facility Location Problem: Lagrangean Heuristic and Column Generation Approaches. *Top*, JUL, 2010, vol. 18, no. 1, pp. 43-61. ISSN 1134-5764.

ALBAREDA-SAMBOLA, Maria; FERNANDEZ, Elena and NICKEL, Stefan. Multiperiod Location-Routing with Decoupled Time Scales. *European Journal of Operational Research*, MAR 1, 2012, vol. 217, no. 2, pp. 248-258. ISSN 0377-2217.

ALBAREDA-SAMBOLA, Maria; FERNANDEZ, Elena and SALDANHA-DA-GAMA, Francisco. The Facility Location Problem with Bernoulli Demands. *Omega-International Journal of Management Science*, JUN, 2011, vol. 39, no. 3, pp. 335-345. ISSN 0305-0483.

ALBETS-CHICO, X.; OLIVA, A. and PEREZ-SEGARRA, C. D. Numerical Experiments in Turbulent Natural Convection using Two-Equation Eddy-Viscosity Models. *Journal of Heat Transfer-Transactions of the Asme*, JUL, 2008, vol. 130, no. 7, pp. 072501. ISSN 0022-1481.

ALBETS-CHICO, X., et al. Analysis of Wall-Function Approaches using Two-Equation Turbulence Models. *International Journal of Heat and Mass Transfer*, SEP, 2008, vol. 51, no. 19-20, pp. 4940-4957. ISSN 0017-9310.

ALDABA, M., et al. Measuring the Accommodative Response with a Double-Pass System: Comparison with the Hartmann-Shack Technique. *Vision Research*, JUN 1, 2012, vol. 62, pp. 26-34. ISSN 0042-6989.

ALEJANDRA, Rodriguez-Contreras; MARGARITA, Calafell-Monfort and MARIA SOLEDAD, Marques-Calvo. Enzymatic Degradation of Poly(3-Hydroxybutyrate) by a Commercial Lipase. *Polymer Degradation and Stability*, NOV, 2012, vol. 97, no. 11, pp. 2473-2476. ISSN 0141-3910.



ALEJANDRO BARRIONUEVO, Pablo, et al. Comparison between an Objective and a Psychophysical Method for the Evaluation of Intraocular Light Scattering. *Journal of the Optical Society of America A-Optics Image Science and Vision*, JUL, 2012, vol. 29, no. 7, pp. 1293-1299. ISSN 1084-7529.

ALGABA, Ines M.; PEPIO, Montserrat and RIVA, Ascension. Correlation between the Ultraviolet Protection Factor and the Weight and Thickness of Undyed Cellulosic Woven Fabrics. *Fibres & Textiles in Eastern Europe*, JAN-MAR, 2008, vol. 16, no. 1, pp. 85-89. ISSN 1230-3666.

AL-JABAREEN, A., et al. Effects of Composition and Transesterification Catalysts on the Physico-Chemical and Dynamic Properties of PC/PET Blends Rich in PC. *Journal of Materials Science*, DEC, 2010, vol. 45, no. 24, pp. 6623-6633. ISSN 0022-2461.

AL-JABAREEN, A., et al. Essential Work of Fracture Testing of PC-Rich PET/PC Blends with and without Transesterification Catalysts. *Journal of Materials Science*, JUN, 2010, vol. 45, no. 11, pp. 2907-2915. ISSN 0022-2461.

ALONSO, A., et al. Recyclable Polymer-Stabilized Nanocatalysts with Enhanced Accessibility for Reactants. *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 200-206. ISSN 0920-5861.

ALONSO, Amanda, et al. Characterization of Fibrous Polymer Silver/Cobalt Nanocomposite with Enhanced Bactericide Activity. *Langmuir*, JAN 10, 2012, vol. 28, no. 1, pp. 783-790. ISSN 0743-7463.

ALONSO, Amanda, et al. Intermatrix Synthesis of Monometallic and Magnetic metal/metal Oxide Nanoparticles with Bactericidal Activity on Anionic Exchange Polymers. *Rsc Advances*, 2012, vol. 2, no. 11, pp. 4596-4599. ISSN 2046-2069.

ALONSO, Amanda, et al. Environmentally-Safe Bimetallic Ag@Co Magnetic Nanocomposites with Antimicrobial Activity. *Chemical Communications*, 2011, vol. 47, no. 37, pp. 10464-10466. ISSN 1359-7345.

ALVAREZ, M. D., et al. Factors that Affect the Quality of the Bio-Waste Fraction of Selectively Collected Solid Waste in Catalonia. *Waste Management*, 2008, vol. 28, no. 2, pp. 359-366. ISSN 0956-053X.

ALVES, M. S.; MUNOZ RIVERA, J. E. and QUINTANILLA, R. Exponential Decay in a Thermoelastic Mixture of Solids. *International Journal of Solids and Structures*, APR, 2009, vol. 46, no. 7-8, pp. 1659-1666. ISSN 0020-7683.



AMANTE GARCIA, Beatriz; GONCALVES, Mariaand OLLE VERA, Tania. Life Cycle Assesment (LCA) Study of a Vehicle Wiring. *Afinidad*, SEP-OCT, 2011, vol. 68, no. 555, pp. 327-333. ISSN 0001-9704.

AMANTE, Beatriz; and LOPEZ, Victor. Profitability and Enhancement of Agricultural Sector. *Afinidad*, JAN-MAR, 2012, vol. 68, no. 557, pp. 18-23. ISSN 0001-9704.

AMER, Rafael; and GIMENEZ, Jose Miguel. A General Procedure to Compute Mixed Modified Semivalues for Cooperative Games with Structure of Coalition Blocks. *Mathematical Social Sciences*, SEP, 2008, vol. 56, no. 2, pp. 269-282. ISSN 0165-4896.

AMER, Rafael; and MIGUEL GIMENEZ, Jose. Separability by Semivalues Modified for Games with Coalition Structure. *Rairo-Operations Research*, APR-JUN, 2009, vol. 43, no. 2, pp. 215-230. ISSN 0399-0559.

AMER, Rafael; MIGUEL GIMENEZ, Joseand MAGANA, Antonio. Accessibility Measures to Nodes of Directed Graphs using Solutions for Generalized Cooperative Games. *Mathematical Methods of Operations Research*, FEB, 2012, vol. 75, no. 1, pp. 105-134. ISSN 1432-2994.

ANA ARES-PEON, Iria, et al. Enzymatic Hydrolysis of Autohydrolyzed Barley Husks. *Journal of Chemical Technology and Biotechnology*, FEB, 2011, vol. 86, no. 2, pp. 251-260. ISSN 0268-2575.

ANDREU, Gleria; and VIDAL, Teresa. Effects of Laccase-Natural Mediator Systems on Kenaf Pulp. *Bioresource Technology*, MAY, 2011, vol. 102, no. 10, pp. 5932-5937. ISSN 0960-8524.

ANTONIO DIAZ, Jose; PIZARRO, Carlesand ARASA, Josep. Single Dispersive Gradient-Index Profile for the Aging Human Lens. *Journal of the Optical Society of America A-Optics Image Science and Vision*, JAN, 2008, vol. 25, no. 1, pp. 250-261. ISSN 1084-7529.

ANTONIO LLAMAS, Marco, et al. RF-MEMS Uniplanar 180 Degrees Phase Switch Based on a Multimodal Air-Bridged CPW Cross. *IEEE Transactions on Microwave Theory and Techniques*, JUL, 2011, vol. 59, no. 7, pp. 1769-1777. ISSN 0018-9480.

ANTONIO LLAMAS, Marco, et al. MEMS-Based 180 Degrees Phase Switch for Differential Radiometers. *IEEE Transactions on Microwave Theory and Techniques*, MAY, 2010, vol. 58, no. 5, pp. 1264-1272. ISSN 0018-9480.

ANTONIO, Francesko, et al. Cross-Linked Collagen Sponges Loaded with Plant Polyphenols with Inhibitory Activity Towards Chronic Wound Enzymes. *Biotechnology Journal*, OCT, 2011, vol. 6, no. 10, pp. 1208-1218. ISSN 1860-6768.



ANTUNES, M., et al. Mechanical Properties and Morphology of Multifunctional Polypropylene Foams. *Cellular Polymers*, 2011, vol. 30, no. 4, pp. 187-200. ISSN 0262-4893.

ANTUNES, M.; REALINHO, V. and VELASCO, J. I. Foaming Behaviour, Structure, and Properties of Polypropylene Nanocomposites Foams. *Journal of Nanomaterials*, 2010, pp. 306384. ISSN 1687-4110.

ANTUNES, M., et al. Characterization of Carbon Nanofibre-Reinforced Polypropylene Foams. *Journal of Nanoscience and Nanotechnology*, FEB, 2010, vol. 10, no. 2, pp. 1241-1250. ISSN 1533-4880.

ANTUNES, Marcelo, et al. Esparto Wool as Reinforcement in Hybrid Polyurethane Composite Foams. *Industrial Crops and Products*, NOV, 2011, vol. 34, no. 3, pp. 1641-1648. ISSN 0926-6690.

ANTUNES, Marcelo; IGNACIO VELASCO, Jose and HAURIE, Laia. Characterization of Highly Filled Magnesium Hydroxide-Polypropylene Composite Foams. *Journal of Cellular Plastics*, JAN, 2011, vol. 47, no. 1, pp. 17-30. ISSN 0021-955X.

ANTUNES, Marcelo, et al. Heat Transfer in Polypropylene-Based Foams Produced using Different Foaming Processes. *Advanced Engineering Materials*, OCT, 2009, vol. 11, no. 10, pp. 811-817. ISSN 1438-1656.

ANTUNES, Marcelo, et al. Study of the Cellular Structure Heterogeneity and Anisotropy of Polypropylene and Polypropylene Nanocomposite Foams. *Polymer Engineering and Science*, DEC, 2009, vol. 49, no. 12, pp. 2400-2413. ISSN 0032-3888.

ANTUNES, Marcelo; MUDARRA, Miguel and IGNACIO VELASCO, Jose. Broad-Band Electrical Conductivity of Carbon Nanofibre-Reinforced Polypropylene Foams. *Carbon*, FEB, 2011, vol. 49, no. 2, pp. 708-717. ISSN 0008-6223.

ANTUNES, Marcelo; REALINHO, Vera and IGNACIO VELASCO, Jose. Study of the Influence of the Pressure Drop Rate on the Foaming Behavior and Dynamic-Mechanical Properties of CO₂ Dissolution Microcellular Polypropylene Foams. *Journal of Cellular Plastics*, NOV, 2010, vol. 46, no. 6, pp. 551-571. ISSN 0021-955X.

ANTUNES, Marcelo, et al. Thermal Conductivity Anisotropy in Polypropylene Foams Prepared by Supercritical CO₂ Dissolution. *Materials Chemistry and Physics*, SEP 14, 2012, vol. 136, no. 1, pp. 268-276. ISSN 0254-0584.



APARICIO, Jorge, et al. Risk-Adapted Treatment in Clinical Stage I Testicular Seminoma: The Third Spanish Germ Cell Cancer Group Study. *Journal of Clinical Oncology*, DEC 10, 2011, vol. 29, no. 35, pp. 4677-4681. ISSN 0732-183X.

ARACRI, Elisabetta; BARNETO, Agustin G.and VIDAL, Teresa. Comparative Study of the Effects Induced by Different Laccase-Based Systems on Sisal Cellulose Fibers. *Industrial & Engineering Chemistry Research*, MAR 14, 2012, vol. 51, no. 10, pp. 3895-3902. ISSN 0888-5885.

ARACRI, Elisabetta; BLANCA RONCERO, M.and VIDAL, Teresa. Studying the Effects of Laccase-Catalysed Grafting of Ferulic Acid on Sisal Pulp Fibers. *Bioresource Technology*, AUG, 2011, vol. 102, no. 16, pp. 7555-7560. ISSN 0960-8524.

ARACRI, Elisabetta; COLOM, Josep F.and VIDAL, Teresa. Application of Laccase-Natural Mediator Systems to Sisal Pulp: An Effective Approach to Biobleaching Or Functionalizing Pulp Fibres?. *Bioresource Technology*, DEC, 2009, vol. 100, no. 23, pp. 5911-5916. ISSN 0960-8524.

ARACRI, Elisabetta, et al. Enzymatic Grafting of Simple Phenols on Flax and Sisal Pulp Fibres using Laccases. *Bioresource Technology*, NOV, 2010, vol. 101, no. 21, pp. 8211-8216. ISSN 0960-8524.

ARACRI, Elisabetta; VALLS, Cristinaand VIDAL, Teresa. Paper Strength Improvement by Oxidative Modification of Sisal Cellulose Fibers with Laccase-TEMPO System: Influence of the Process Variables. *Carbohydrate Polymers*, APR 15, 2012, vol. 88, no. 3, pp. 830-837. ISSN 0144-8617.

ARACRI, Elisabetta; and VIDAL, Teresa. Enhancing the Effectiveness of a Laccase-TEMPO Treatment has a Biorefining Effect on Sisal Cellulose Fibres. *Cellulose*, JUN, 2012, vol. 19, no. 3, pp. 867-877. ISSN 0969-0239.

ARACRI, Elisabetta; and VIDAL, Teresa. Xylanase- and Laccase-Aided Hexenuronic Acids and Lignin Removal from Specialty Sisal Fibres. *Carbohydrate Polymers*, JAN 30, 2011, vol. 83, no. 3, pp. 1355-1362. ISSN 0144-8617.

ARACRI, Elisabetta; VIDAL, Teresaand RAGAUSKAS, Arthur J. Wet Strength Development in Sisal Cellulose Fibers by Effect of a Laccase-TEMPO Treatment. *Carbohydrate Polymers*, APR 2, 2011, vol. 84, no. 4, pp. 1384-1390. ISSN 0144-8617.

ARAGONESES, A., et al. Study of Dispersive Mobility in Polyimide by Surface Voltage Decay Measurements. *Polymer*, MAY 13, 2008, vol. 49, no. 10, pp. 2440-2443. ISSN 0032-3861.



ARDANUY, M.; RODRIGUEZ-PEREZ, M. A. and ALGABA, I. Electrical Conductivity and Mechanical Properties of Vapor-Grown Carbon nanofibers/trifunctional Epoxy Composites Prepared by Direct Mixing. *Composites Part B-Engineering*, JUN, 2011, vol. 42, no. 4, pp. 675-681. ISSN 1359-8368.

ARDANUY, M.; and VELASCO, J. I. Mg-Al Layered Double Hydroxide Nanoparticles Evaluation of the Thermal Stability in Polypropylene Matrix. *Applied Clay Science*, FEB, 2011, vol. 51, no. 3, pp. 341-347. ISSN 0169-1317.

ARDANUY, M., et al. Structure and Properties of Polypropylene/Hydrotalcite Nanocomposites. *Polymer Composites*, MAY, 2010, vol. 31, no. 5, pp. 870-878. ISSN 0272-8397.

ARDANUY, M., et al. Influence of EMAA Compatibilizer on the Structure and Properties of HDPE/Hydrotalcite Nanocomposites Prepared by Melt Mixing. *Journal of Applied Polymer Science*, JUL 15, 2009, vol. 113, no. 2, pp. 950-958. ISSN 0021-8995.

ARDANUY, M., et al. Non-Isothermal Crystallization Kinetics and Activity of Filler in polypropylene/Mg-Al Layered Double Hydroxide Nanocomposites. *Thermochimica Acta*, DEC 5, 2008, vol. 479, no. 1-2, pp. 45-52. ISSN 0040-6031.

ARDANUY, M., et al. The Effect of Anionic Clay Particles on the Structure and Thermomechanical Behavior of Sodium Partially-Neutralized EMAA Ionomer. *Journal of Applied Polymer Science*, JUN 5, 2010, vol. 116, no. 5, pp. 2573-2579. ISSN 0021-8995.

ARDANUY, Monica; ANTUNES, Marcelo and IGNACIO VELASCO, Jose. Vegetable Fibres from Agricultural Residues as Thermo-Mechanical Reinforcement in Recycled Polypropylene-Based Green Foams. *Waste Management*, FEB, 2012, vol. 32, no. 2, pp. 256-263. ISSN 0956-053X.

ARDANUY, Monica, et al. Fiber-Matrix Interactions in Cement Mortar Composites Reinforced with Cellulosic Fibers. *Cellulose*, APR, 2011, vol. 18, no. 2, pp. 281-289. ISSN 0969-0239.

ARDANUY, Monica, et al. Nanofibrillated Cellulose (Nfc) as a Potential Reinforcement for High Performance Cement Mortar Composites. *Bioresources*, 2012, vol. 7, no. 3, pp. 3883-3894. ISSN 1930-2126.

ARDANUY, Monica, et al. Foaming Behavior, Cellular Structure and Physical Properties of Polybenzoxazine Foams. *Polymers for Advanced Technologies*, MAY, 2012, vol. 23, no. 5, pp. 841-849. ISSN 1042-7147.



ARENCON, D., et al. Study of the Fracture Behavior of Flexible Polypropylene Foams using the Essential Work of Fracture (EWF). *Polymer Testing*, APR, 2012, vol. 31, no. 2, pp. 217-225. ISSN 0142-9418.

ARENCON, David; and IGNACIO VELASCO, Jose. Fracture Toughness of Polypropylene-Based Particulate Composites. *Materials*, DEC, 2009, vol. 2, no. 4, pp. 2046-2094. ISSN 1996-1944.

ARES, Miguel, et al. Active Optics Null Test System Based on a Liquid Crystal Programmable Spatial Light Modulator. *Applied Optics*, NOV 10, 2010, vol. 49, no. 32, pp. 6201-6206. ISSN 0003-6935.

ARTUS, Pau; DURSTELER, Juan C. and MARTINEZ, Antonio B. Low-Energy Dynamic Indentation Method for Analysis of Ophthalmic Materials. *Optometry and Vision Science*, JAN, 2008, vol. 85, no. 1, pp. 49-53. ISSN 1040-5488.

ASALLY, Munehiro, et al. Localized Cell Death Focuses Mechanical Forces during 3D Patterning in a Biofilm. *Proceedings of the National Academy of Sciences of the United States of America*, NOV 13, 2012, vol. 109, no. 46, pp. 18891-18896. ISSN 0027-8424.

ASIMINOAEI, Lucian; RODRIGUEZ, Pedro and BLAABJERG, Frede. Application of Discontinuous PWM Modulation in Active Power Filters. *Ieee Transactions on Power Electronics*, JUL, 2008, vol. 23, no. 4, pp. 1692-1706. ISSN 0885-8993.

ASIMINOAEI, Lucian, et al. Reduction of Switching Losses in Active Power Filters with a New Generalized Discontinuous-PWM Strategy. *IEEE Transactions on Industrial Electronics*, JAN, 2008, vol. 55, no. 1, pp. 467-471. ISSN 0278-0046.

AURREKOETXEA, J., et al. Effect of Superelastic Shape Memory Alloy Wires on the Impact Behavior of Carbon Fiber Reinforced in Situ Polymerized Poly(Butylene Terephthalate) Composites. *Materials Letters*, MAR 15, 2011, vol. 65, no. 5, pp. 863-865. ISSN 0167-577X.

BALASTEGUI, A.; CANAL, R. and RUIZ-LAPUENTE, P. Estimating the Rate and Luminosity Function of all Classes of GRBs. *Astronomy Reports*, OCT, 2011, vol. 55, no. 10, pp. 867-877. ISSN 1063-7729.

BALASTEGUI, A.; CANAL, R. and RUIZ-LAPUENTE, P. Measuring Omega(M) and Omega(Lambda) with Long-Duration Gamma-Ray Bursts. *Astronomische Nachrichten*, SEP, 2010, vol. 331, no. 8, pp. 837-842. ISSN 0004-6337.



BALDELLI, Dario H., et al. Modeling and Control of an Aeroelastic Morphing Vehicle. *Journal of Guidance Control and Dynamics*, NOV-DEC, 2008, vol. 31, no. 6, pp. 1687-1699. ISSN 0731-5090.

BARNETO, Agustin G., et al. Investigating the Structure-Effect Relationships of various Natural Phenols used as Laccase Mediators in the Biobleaching of Kenaf and Sisal Pulps. *Bioresource Technology*, MAY, 2012, vol. 112, pp. 327-335. ISSN 0960-8524.

BARNETO, Agustin G., et al. Thermogravimetry Study of Xylanase- and laccase/mediator-Treated Eucalyptus Pulp Fibres. *Bioresource Technology*, OCT, 2011, vol. 102, no. 19, pp. 9033-9039. ISSN 0960-8524.

BARNETO, Agustin G.; VILA, Carlos and ARIZA, Jose. Eucalyptus Kraft Pulp Production: Thermogravimetry Monitoring. *Thermochimica Acta*, JUN 10, 2011, vol. 520, no. 1-2, pp. 110-120. ISSN 0040-6031.

BARREIRO, Marcelo; MARTI, Arturo C. and MASOLLER, Cristina. Inferring Long Memory Processes in the Climate Network Via Ordinal Pattern Analysis. *Chaos*, MAR, 2011, vol. 21, no. 1, pp. 013101. ISSN 1054-1500.

BARTUMEUS, F., et al. Superdiffusion and Encounter Rates in Diluted, Low Dimensional Worlds. *European Physical Journal-Special Topics*, APR, 2008, vol. 157, pp. 157-166. ISSN 1951-6355.

BASTOS-ARRIETA, Julio, et al. Donnan Exclusion Driven Intermatrix Synthesis of Reusable Polymer Stabilized Palladium Nanocatalysts. *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 207-212. ISSN 0920-5861.

BECH, Joan, et al. A Mediterranean Nocturnal Heavy Rainfall and Tornadic Event. Part I: Overview, Damage Survey and Radar Analysis. *Atmospheric Research*, JUN, 2011, vol. 100, no. 4, pp. 621-637. ISSN 0169-8095.

BELANA, J., et al. Study of an Initial Transient Relaxation in XLPE Cable Insulation by TSDC and PEA. *IEEE Transactions on Dielectrics and Electrical Insulation*, DEC, 2011, vol. 18, no. 6, pp. 2074-2082. ISSN 1070-9878.

BELTRAN, H., et al. Power Management Strategies and Energy Storage Needs to Increase the Operability of Photovoltaic Plants. *Journal of Renewable and Sustainable Energy*, NOV 1, 2012, vol. 4, no. 6, pp. 063101. ISSN 1941-7012.



BENZI, R., et al. Population Dynamics in Compressible Flows. *European Physical Journal-Special Topics*, APR, 2012, vol. 204, no. 1, pp. 57-73. ISSN 1951-6355.

BERBEL, N.; FERNANDEZ, R. and GIL, I. Modelling and Experimental Verification of the Impact of Negative Bias Temperature Instability on CMOS Inverter. *Microelectronics Reliability*, SEP-NOV, 2009, vol. 49, no. 9-11, pp. 1048-1051. ISSN 0026-2714.

BERBEL, N., et al. Experimental Verification of the Usefulness of the Nth Power Law MOSFET Model Under Hot Carrier Wearout. *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1564-1567. ISSN 0026-2714.

BERGADA, J. M., et al. The Effect of Oil Pressure and Temperature on Barrel Film Thickness and Barrel Dynamics of an Axial Piston Pump. *Meccanica*, MAR, 2012, vol. 47, no. 3, pp. 639-654. ISSN 0025-6455.

BERGADA, J. M.; HAYNES, J. M. and WATTON, J. Leakage and Groove Pressure of an Axial Piston Pump Slipper with Multiple Lands. *Tribology Transactions*, 2008, vol. 51, no. 4, pp. 469-482. ISSN 1040-2004.

BERGADA, J. M., et al. A Complete Analysis of Axial Piston Pump Leakage and Output Flow Ripples. *Applied Mathematical Modelling*, APR, 2012, vol. 36, no. 4, pp. 1731-1751. ISSN 0307-904X.

BERGADA, J. M., et al. The hydrostatic/hydrodynamic Behaviour of an Axial Piston Pump Slipper with Multiple Lands. *Meccanica*, AUG, 2010, vol. 45, no. 4, pp. 585-602. ISSN 0025-6455.

BERGADA, J. M.; WATTON, J. and KUMAR, S. Pressure, Flow, Force, and Torque between the Barrel and Port Plate in an Axial Piston Pump. *Journal of Dynamic Systems Measurement and Control-Transactions of the Asme*, JAN, 2008, vol. 130, no. 1, pp. 011011. ISSN 0022-0434.

BERNAT-MASO, Ernest; GIL, Lluís and MARCE-NOGUE, Jordi. The Structural Performance of Arches made of Few Vossoirs with Dry-Joints. *Structural Engineering and Mechanics*, DEC 25, 2012, vol. 44, no. 6, pp. 775-799. ISSN 1225-4568.

BETANCUR, Rafael, et al. Optical Interference for the Matching of the External and Internal Quantum Efficiencies in Organic Photovoltaic Cells. *Solar Energy Materials and Solar Cells*, SEP, 2012, vol. 104, pp. 87-91. ISSN 0927-0248.



BETANCUR, Rafael, et al. Sputtered NiO as Electron Blocking Layer in P3HT:PCBM Solar Cells Fabricated in Ambient Air. *Solar Energy Materials and Solar Cells*, FEB, 2011, vol. 95, no. 2, pp. 735-739. ISSN 0927-0248.

BIANCHI, F. D.; DE BATTISTA, H. and MANTZ, R. J. Optimal Gain-Scheduled Control of Fixed-Speed Active Stall Wind Turbines. *Iet Renewable Power Generation*, DEC, 2008, vol. 2, no. 4, pp. 228-238. ISSN 1752-1416.

BIANCHI, Fernando D.; and SANCHEZ-PENA, Ricardo S. A Novel Design Approach for Switched LPV Controllers. *International Journal of Control*, 2010, vol. 83, no. 8, pp. 1710-1717. ISSN 0020-7179.

BIANCHI, Fernando D.; and SANCHEZ-PENA, Ricardo S. Robust identification/invalidation in an LPV Framework. *International Journal of Robust and Nonlinear Control*, FEB, 2010, vol. 20, no. 3, pp. 301-312. ISSN 1049-8923.

BLANCO, Jose, et al. Fenton and Biological-Fenton Coupled Processes for Textile Wastewater Treatment and Reuse. *Desalination*, FEB 1, 2012, vol. 286, pp. 394-399. ISSN 0011-9164.

BLESA, J.; PUIG, V. and SALUDES, J. Robust Fault Detection using Polytope-Based Set-Membership Consistency Test. *Iet Control Theory and Applications*, AUG, 2012, vol. 6, no. 12, pp. 1767-1777. ISSN 1751-8644.

BLESA, Joaquim; PUIG, Vicenc and SALUDES, Jordi. Robust Identification and Fault Diagnosis Based on Uncertain Multiple Input-Multiple Output Linear Parameter Varying Parity Equations and Zonotopes. *Journal of Process Control*, DEC, 2012, vol. 22, no. 10, pp. 1890-1912. ISSN 0959-1524.

BLESA, Joaquim; PUIG, Vicenc and SALUDES, Jordi. Identification for Passive Robust Fault Detection using Zonotope-Based Set-Membership Approaches. *International Journal of Adaptive Control and Signal Processing*, SEP, 2011, vol. 25, no. 9, pp. 788-812. ISSN 0890-6327.

BOGARRA RODRIGUEZ, Santiago, et al. Lessons Learned in the use of WIRIS Quizzes to Upgrade Moodle to Solve Electrical Circuits. *Ieee Transactions on Education*, AUG, 2012, vol. 55, no. 3, pp. 412-417. ISSN 0018-9359.

BOGARRA, S., et al. Parameter Estimation of a Transformer with Saturation using Inrush Measurements. *Electric Power Systems Research*, FEB, 2009, vol. 79, no. 2, pp. 417-425. ISSN 0378-7796.



BOHN, Andreas; and GARCIA-OJALVO, Jordi. Synchronization of Coupled Biological Oscillators Under Spatially Heterogeneous Environmental Forcing. *Journal of Theoretical Biology*, JAN 7, 2008, vol. 250, no. 1, pp. 37-47. ISSN 0022-5193.

BONATTO, Cristian, et al. Deterministic Optical Rogue Waves. *Physical Review Letters*, JUL 29, 2011, vol. 107, no. 5, pp. 053901. ISSN 0031-9007.

BORRELL, R., et al. Parallel Direct Poisson Solver for Discretisations with One Fourier Diagonalisable Direction. *Journal of Computational Physics*, JUN 1, 2011, vol. 230, no. 12, pp. 4723-4741. ISSN 0021-9991.

BORROTO-ESCUELA, Dasiel O., et al. Muscarinic Receptor Family Interacting Proteins: Role in Receptor Function. *Journal of Neuroscience Methods*, FEB 15, 2011, vol. 195, no. 2, pp. 161-169. ISSN 0165-0270.

BORROTO-ESCUELA, Dasiel O., et al. The M-5 Muscarinic Acetylcholine Receptor Third Intracellular Loop Regulates Receptor Function and Oligomerization. *Biochimica Et Biophysica Acta-Molecular Cell Research*, JUL, 2010, vol. 1803, no. 7, pp. 813-825. ISSN 0167-4889.

BORROTO-ESCUELA, Dasiel O., et al. Dissecting the Conserved NPxxY Motif of the M-3 Muscarinic Acetylcholine Receptor: Critical Role of Asp-7.49 for Receptor Signaling and Multiprotein Complex Formation. *Cellular Physiology and Biochemistry*, 2011, vol. 28, no. 5, pp. 1009-1022. ISSN 1015-8987.

BOSCH-PRESEGUE, Laia, et al. Hydrophobic Amino Acids at the Cytoplasmic Ends of Helices 3 and 6 of Rhodopsin Conjointly Modulate Transducin Activation. *Archives of Biochemistry and Biophysics*, FEB 15, 2011, vol. 506, no. 2, pp. 142-149. ISSN 0003-9861.

BOSCH-PRESEGUE, Laia, et al. Alterations in the Photoactivation Pathway of Rhodopsin Mutants Associated with Retinitis Pigmentosa. *Febs Journal*, MAY, 2011, vol. 278, no. 9, pp. 1493-1505. ISSN 1742-464X.

BOTEY, Muriel; HERRERO, Ramon and STALIUNAS, Kestutis. Light in Materials with Periodic Gain-Loss Modulation on a Wavelength Scale. *Physical Review a*, JUL 22, 2010, vol. 82, no. 1, pp. 013828. ISSN 1050-2947.

BOZIC, Mojca, et al. Voltametric Monitoring of Enzyme-Mediated Indigo Reduction in the Presence of various Fibre Materials. *Enzyme and Microbial Technology*, OCT 7, 2009, vol. 45, no. 4, pp. 317-323. ISSN 0141-0229.



BRAVO-ABAD, Jorge, et al. Optical Second-Harmonic Scattering from a Non-Diffusive Random Distribution of Nonlinear Domains. *Optics Express*, JUN 21, 2010, vol. 18, no. 13, pp. 14202-14211. ISSN 1094-4087.

BUCKUP, T., et al. Control of Excited-State Population and Vibrational Coherence with Shaped-Resonant and Near-Resonant Excitation. *Journal of Physics B-Atomic Molecular and Optical Physics*, APR 14, 2008, vol. 41, no. 7, pp. 074024. ISSN 0953-4075.

BURGOS, Rolando, et al. Space Vector Modulator for Vienna-Type Rectifiers Based on the Equivalence between Two- and Three-Level Converters: A Carrier-Based Implementation. *Ieee Transactions on Power Electronics*, JUL, 2008, vol. 23, no. 4, pp. 1888-1898. ISSN 0885-8993.

BUSCA, C., et al. An Overview of the Reliability Prediction Related Aspects of High Power IGBTs in Wind Power Applications. *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1903-1907. ISSN 0026-2714.

BUSCHBECK, Marcus, et al. The Histone Variant macroH2A is an Epigenetic Regulator of Key Developmental Genes. *Nature Structural & Molecular Biology*, OCT, 2009, vol. 16, no. 10, pp. 1074-U95. ISSN 1545-9985.

CADAFALCH, J. A Detailed Numerical Model for Flat-Plate Solar Thermal Devices. *Solar Energy*, DEC, 2009, vol. 83, no. 12, pp. 2157-2164. ISSN 0038-092X.

CADENA, E. M., et al. Determination of Zeta Potential and Cationic Demand in ECF and TCF Bleached Pulp from Eucalyptus and Flax. Influence of Measuring Conditions. *Cellulose*, JUN, 2009, vol. 16, no. 3, pp. 491-500. ISSN 0969-0239.

CADENA, Edith M., et al. Use of Cellulases and Recombinant Cellulose Binding Domains for Refining TCF Kraft Pulp. *Biotechnology Progress*, JUL-AUG, 2010, vol. 26, no. 4, pp. 960-967. ISSN 8756-7938.

CADENA, Edith M., et al. On Hexenuronic Acid (HexA) Removal and Mediator Coupling to Pulp Fiber in the laccase/mediator Treatment. *Bioresource Technology*, FEB, 2011, vol. 102, no. 4, pp. 3911-3917. ISSN 0960-8524.

CADENA, Edith M.; VIDAL, Teresa and TORRES, Antonio L. Can the Laccase Mediator System Affect the Chemical and Refining Properties of the Eucalyptus Pulp?. *Bioresource Technology*, NOV, 2010, vol. 101, no. 21, pp. 8199-8204. ISSN 0960-8524.



CADENA, Edith M.; VIDAL, Teresa and TORRES, Antonio L. Influence of the Hexenuronic Acid Content on Refining and Ageing in Eucalyptus TCF Pulp. *Bioresource Technology*, MAY, 2010, vol. 101, no. 10, pp. 3554-3560. ISSN 0960-8524.

CAGATAY, Tolga, et al. Architecture-Dependent Noise Discriminates Functionally Analogous Differentiation Circuits. *Cell*, OCT 30, 2009, vol. 139, no. 3, pp. 512-522. ISSN 0092-8674.

CALDERER, M., et al. Modelling Enhanced Groundwater Denitrification in Batch Microcosm Tests. *Chemical Engineering Journal*, NOV 15, 2010, vol. 165, no. 1, pp. 2-9. ISSN 1385-8947.

CALLEJA, Albert, et al. High Temperature Transformation of Electrospun BaZrO₃ Nanotubes into Nanoparticle Chains. *Crystengcomm*, 2011, vol. 13, no. 24, pp. 7224-7230. ISSN 1466-8033.

CALLEJA, Albert, et al. Epitaxial BaZrO₃ Tracks by Electrospinning of Metalorganic Fibers on Single Crystals. *Crystengcomm*, 2012, vol. 14, no. 14, pp. 4686-4691. ISSN 1466-8033.

CANAL, Cristina, et al. Effects of Low Temperature Plasma on Wool and wool/nylon Blend Dyed Fabrics. *Fibers and Polymers*, JUN, 2008, vol. 9, no. 3, pp. 293-300. ISSN 1229-9197.

CANAVATE, J., et al. The use of Waxes and Wetting Additives to Improve Compatibility between HDPE and Ground Tyre Rubber. *Journal of Composite Materials*, MAY, 2010, vol. 44, no. 10, pp. 1233-1245. ISSN 0021-9983.

CANAVATE, J., et al. Effect of Devulcanized Pretreatments and Additives Composite Materials with HDPR Matrix and used Tires. *Afinidad*, JAN-FEB, 2011, vol. 68, no. 551, pp. 25-32. ISSN 0001-9704.

CANAVATE, J., et al. Formulations for Thermoplastic Vulcanizates Based on High Density Polyethylene, Ethylene-Propylene-Diene Monomer, and Ground Tyre Rubber. *Journal of Composite Materials*, JUN, 2011, vol. 45, no. 11, pp. 1189-1200. ISSN 0021-9983.

CANDAL, Maria V., et al. Study of the Adhesion Strength on Overmoulded Plastic Materials using the Essential Work of Interfacial Fracture (EWIF) Concept. *Journal of Materials Science*, AUG, 2008, vol. 43, no. 15, pp. 5052-5060. ISSN 0022-2461.

CAPDEVILA, R.; PEREZ-SEGARRA, C. D. and OLIVA, A. Development and Comparison of Different Spatial Numerical Schemes for the Radiative Transfer Equation Resolution using Three-Dimensional Unstructured Meshes. *Journal of Quantitative Spectroscopy & Radiative Transfer*, JAN, 2010, vol. 111, no. 2, pp. 264-273. ISSN 0022-4073.



CARBONELL, D.; OLIVA, A. and PEREZ-SEGARRA, C. D. Implementation of Two-Equation Soot Flamelet Models for Laminar Diffusion Flames. *Combustion and Flame*, MAR, 2009, vol. 156, no. 3, pp. 621-632. ISSN 0010-2180.

CARBONELL, D., et al. Flamelet Mathematical Models for Non-Premixed Laminar Combustion. *Combustion and Flame*, FEB, 2009, vol. 156, no. 2, pp. 334-347. ISSN 0010-2180.

CARDENAS, Juan J., et al. Load Forecasting Framework of Electricity Consumptions for an Intelligent Energy Management System in the User-Side. *Expert Systems with Applications*, APR, 2012, vol. 39, no. 5, pp. 5557-5565. ISSN 0957-4174.

CARDONA, Genis, et al. Blink Rate, Blink Amplitude, and Tear Film Integrity during Dynamic Visual Display Terminal Tasks. *Current Eye Research*, MAR, 2011, vol. 36, no. 3, pp. 190-197. ISSN 0271-3683.

CARDONA, Genis; and ISERN, Roser. Topography-Based Rigid Gas Permeable Lens Fitting in Normal Corneas: The Relevance of Eyelid and Tear Film Attributes. *Eye & Contact Lens-Science and Clinical Practice*, NOV, 2011, vol. 37, no. 6, pp. 359-364. ISSN 1542-2321.

CARDONA, Genis; and LUIS SAONA-SANTOS, Carlos. Corneal Thinning Associated with Recurrent Microbial Keratitis Resulting from 7-Day Extended Wear of Low Dk Hydrogel Contact Lenses: A Case Report. *Contact Lens & Anterior Eye*, FEB, 2010, vol. 33, no. 1, pp. 30-32. ISSN 1367-0484.

CARDONA, Genis, et al. Temporal Stability in the Perception of Dry Eye Ocular Discomfort Symptoms. *Optometry and Vision Science*, DEC, 2010, vol. 87, no. 12, pp. 1023-1029. ISSN 1040-5488.

CARDONA, Genis, et al. Visual and Refractive Outcome of Epi-LASIK for Myopia in Thin Corneas: A 12-Month Follow-Up. *European Journal of Ophthalmology*, NOV-DEC, 2012, vol. 22, no. 6, pp. 911-919. ISSN 1120-6721.

CARDONA, Genis; and SERES, Carme. Grading Contact Lens Complications: The Effect of Knowledge on Grading Accuracy. *Current Eye Research*, 2009, vol. 34, no. 12, pp. 1074-1081. ISSN 0271-3683.

CARDONA, Genis, et al. Knowledge and use of Tear Film Evaluation Tests by Spanish Practitioners. *Optometry and Vision Science*, SEP, 2011, vol. 88, no. 9, pp. 1106-1111. ISSN 1040-5488.



CARLOS CANTE, Juan, et al. Flow Regime Analyses during the Filling Stage in Powder Metallurgy Processes: Experimental Study and Numerical Modelling. *Granular Matter*, FEB, 2011, vol. 13, no. 1, pp. 79-92. ISSN 1434-5021.

CARME LESEDUARTE, M.; MAGANA, Antonio and QUINTANILLA, Ramon. On the Time Decay of Solutions in Porous-Thermo-Elasticity of Type II. *Discrete and Continuous Dynamical Systems-Series B*, MAR, 2010, vol. 13, no. 2, pp. 375-391. ISSN 1531-3492.

CARRASCO, F.; and PAGES, P. Thermal Degradation and Stability of Epoxy Nanocomposites: Influence of Montmorillonite Content and Cure Temperature. *Polymer Degradation and Stability*, MAY, 2008, vol. 93, no. 5, pp. 1000-1007. ISSN 0141-3910.

CARRASCO, F., et al. Processing of Poly(Lactic Acid): Characterization of Chemical Structure, Thermal Stability and Mechanical Properties. *Polymer Degradation and Stability*, FEB, 2010, vol. 95, no. 2, pp. 116-125. ISSN 0141-3910.

CARRERA-GALLISSA, Enric; and CAPDEVILA, Xavier. Textile-Related Research in Spain: A Case Study Applying Micro Bibliometric Indicators. *Revista Espanola De Documentacion Cientifica*, 2011, vol. 34, no. 4, pp. 581-596. ISSN 0210-0614.

CARRERAS, Francesc. Protectionism and Blocking Power Indices. *Top*, JUL, 2009, vol. 17, no. 1, pp. 70-84. ISSN 1134-5764.

CARRERAS, Francesc; and ALBINA PUENTE, Maria. Symmetric Coalitional Binomial Semivalues. *Group Decision and Negotiation*, SEP, 2012, vol. 21, no. 5, pp. 637-662. ISSN 0926-2644.

CARRERAS, Francesc; DOLORS LLONGUERAS, Maria and ALBINA PUENTE, Maria. Partnership Formation and Binomial Semivalues. *European Journal of Operational Research*, JAN 16, 2009, vol. 192, no. 2, pp. 487-499. ISSN 0377-2217.

CARRERAS, Francesc; FREIXAS, Josep and PUENTE, Maria Albina. On the Reliability of the Self-Dual k-Out-of-n Systems. *Technometrics*, FEB, 2008, vol. 50, no. 1, pp. 79-85. ISSN 0040-1706.

CARRERAS, Francesc; and MAGANA, Antonio. The Shapley-Shubik Index for Simple Games with Multiple Alternatives. *Annals of Operations Research*, FEB, 2008, vol. 158, no. 1, pp. 81-97. ISSN 0254-5330.

CARRERAS, Francesc; and MIGUEL GIMENEZ, Jose. Power and Potential Maps Induced by any Semivalue: Some Algebraic Properties and Computation by Multilinear Extensions. *European Journal of Operational Research*, MAY 16, 2011, vol. 211, no. 1, pp. 148-159. ISSN 0377-2217.



CARRILLO, F.; COLOM, X. and CANAVATE, X. Properties of Regenerated Cellulose Lyocell Fiber-Reinforced Composites. *Journal of Reinforced Plastics and Composites*, FEB, 2010, vol. 29, no. 3, pp. 359-371. ISSN 0731-6844.

CARRILLO, F., et al. Thermal Degradation of lyocell/poly-N-Isopropylacrylamide Graft Copolymers Gels. *Journal of Thermal Analysis and Calorimetry*, SEP, 2009, vol. 97, no. 3, pp. 945-948. ISSN 1388-6150.

CARRILLO, F., et al. High Modulus Regenerated Cellulose Fiber-Reinforced Cellulose Acetate Butyrate Biocomposites. *Journal of Composite Materials*, AUG, 2011, vol. 45, no. 17, pp. 1733-1740. ISSN 0021-9983.

CARRILLO, Fernando; DEFAYS, Boris and COLOM, Xavier. Surface Modification of Lyocell Fibres by Graft Copolymerization of Thermo-Sensitive Poly-N-Isopropylacrylamide. *European Polymer Journal*, DEC, 2008, vol. 44, no. 12, pp. 4020-4028. ISSN 0014-3057.

CASADESUS PURSALS, Salvador; and GARRIGA GARZON, Federico. Optimal Building Evacuation Time Considering Evacuation Routes. *European Journal of Operational Research*, JAN 16, 2009, vol. 192, no. 2, pp. 692-699. ISSN 0377-2217.

CASALS-TERRE, J., et al. Design and Characterization of a Magnetic Digital Flow Regulator. *Sensors and Actuators A-Physical*, JUL, 2010, vol. 162, no. 1, pp. 107-115. ISSN 0924-4247.

CASALS-TERRE, J., et al. Design, Fabrication and Characterization of an Externally Actuated ON/OFF Microvalve. *Sensors and Actuators A-Physical*, OCT 3, 2008, vol. 147, no. 2, pp. 600-606. ISSN 0924-4247.

CASALS-TERRE, Jasmina; FARGAS-MARQUES, Andreu and SHKEL, Andrei M. Snap-Action Bistable Micromechanisms Actuated by Nonlinear Resonance. *Journal of Microelectromechanical Systems*, OCT, 2008, vol. 17, no. 5, pp. 1082-1093. ISSN 1057-7157.

CASTELL, Albert, et al. Natural Convection Heat Transfer Coefficients in Phase Change Material (PCM) Modules with External Vertical Fins. *Applied Thermal Engineering*, SEP, 2008, vol. 28, no. 13, pp. 1676-1686. ISSN 1359-4311.

CASTILLA, R., et al. Numerical Simulation of Turbulent Flow in the Suction Chamber of a Gearpump using Deforming Mesh and Mesh Replacement. *International Journal of Mechanical Sciences*, OCT, 2010, vol. 52, no. 10, pp. 1334-1342. ISSN 0020-7403.



CASTILLA, R., et al. Numerical Analysis of the Shaft Motion in the Journal Bearing of a Gear Pump. *Journal of Engineering for Gas Turbines and Power-Transactions of the Asme*, JAN, 2010, vol. 132, no. 1, pp. 012504. ISSN 0742-4795.

CASTILLA, R., et al. Experimental Study of the Shaft Motion in the Journal Bearing of a Gear Pump. *Journal of Engineering for Gas Turbines and Power-Transactions of the Asme*, SEP, 2009, vol. 131, no. 5, pp. 052502. ISSN 0742-4795.

CASTILLA, R., et al. Analysis of the Turbulence in the Suction Chamber of an External Gear Pump using Time Resolved Particle Image Velocimetry. *Flow Measurement and Instrumentation*, DEC, 2008, vol. 19, no. 6, pp. 377-384. ISSN 0955-5986.

CASTRO, J., et al. Comparison of the Performance of Falling Film and Bubble Absorbers for Air-Cooled Absorption Systems. *International Journal of Thermal Sciences*, JUL, 2009, vol. 48, no. 7, pp. 1355-1366. ISSN 1290-0729.

CASTRO, J., et al. Modelling of the Heat Exchangers of a Small Capacity, Hot Water Driven, Air-Cooled H₂O-LiBr Absorption Cooling Machine. *International Journal of Refrigeration-Revue Internationale Du Froid*, JAN, 2008, vol. 31, no. 1, pp. 75-86. ISSN 0140-7007.

CAUM, Jesus, et al. Design of Adaptive Digital Filters for Phase Extraction in Complex Fringe Patterns obtained using the Ronchi Test. *Journal of Modern Optics*, 2012, vol. 59, no. 8, pp. 721-728. ISSN 0950-0340.

CAYUELA, D., et al. Determination by DSC of Secondary Crystallization due to Heatsetting of Thermoplastic Fibres. *Polymer Testing*, SEP, 2008, vol. 27, no. 6, pp. 667-674. ISSN 0142-9418.

CAYUELA, Diana, et al. Microstructure Variations of Polylactide Fibres with Texturing Conditions. *Textile Research Journal*, NOV, 2012, vol. 82, no. 19, pp. 1996-2005. ISSN 0040-5175.

CEBALLOS, Salvador, et al. Three-Level Converter Topologies with Switch Breakdown Fault-Tolerance Capability. *IEEE Transactions on Industrial Electronics*, MAR, 2008, vol. 55, no. 3, pp. 982-995. ISSN 0278-0046.

CEBALLOS, Salvador, et al. Performance Evaluation of Fault-Tolerant Neutral-Point-Clamped Converters. *IEEE Transactions on Industrial Electronics*, AUG, 2010, vol. 57, no. 8, pp. 2709-2718. ISSN 0278-0046.



CEBALLOS, Salvador, et al. Efficient Modulation Technique for a Four-Leg Fault-Tolerant Neutral-Point-Clamped Inverter. *IEEE Transactions on Industrial Electronics*, MAR, 2008, vol. 55, no. 3, pp. 1067-1074. ISSN 0278-0046.

CEBALLOS, Salvador, et al. Fault-Tolerant Neutral-Point-Clamped Converter Solutions Based on Including a Fourth Resonant Leg. *IEEE Transactions on Industrial Electronics*, JUN, 2011, vol. 58, no. 6, pp. 2293-2303. ISSN 0278-0046.

CEBRECOS, A., et al. Formation of Collimated Sound Beams by Three-Dimensional Sonic Crystals. *Journal of Applied Physics*, MAY 15, 2012, vol. 111, no. 10, pp. 104910. ISSN 0021-8979.

CELLIER, Francois E., et al. Confidence Measures for Predictions in Fuzzy Inductive Reasoning. *International Journal of General Systems*, 2010, vol. 39, no. 8, pp. 839-853. ISSN 0308-1079.

CEMBRANO, G., et al. PLIO: A Generic Tool for Real-Time Operational Predictive Optimal Control of Water Networks. *Water Science and Technology*, 2011, vol. 64, no. 2, pp. 448-459. ISSN 0273-1223.

CENTINI, Marco, et al. Inhibition of Linear Absorption in Opaque Materials using Phase-Locked Harmonic Generation. *Physical Review Letters*, SEP 12, 2008, vol. 101, no. 11, pp. 113905. ISSN 0031-9007.

CHAKRABORTY, Sagar, et al. Limit-Cycle Oscillations and Stable Patterns in Repressor Lattices. *Physical Review E*, SEP 7, 2012, vol. 86, no. 3, pp. 031905. ISSN 1539-3755.

CHEN, Hong-Bing, et al. Low Flammability, Foam-Like Materials Based on Ammonium Alginate and Sodium Montmorillonite Clay. *Polymer*, NOV 30, 2012, vol. 53, no. 25, pp. 5825-5831. ISSN 0032-3861.

CHEN, T. L., et al. Efficient Polymer Solar Cell Employing an Oxidized Ni Capped Al:ZnO Anode without the Need of Additional Hole-Transporting-Layer. *Applied Physics Letters*, JAN 2, 2012, vol. 100, no. 1, pp. 013310. ISSN 0003-6951.

CHIRIAC, Alina Iulia, et al. Engineering a Family 9 Processive Endoglucanase from *Paenibacillus Barcinonensis* Displaying a Novel Architecture. *Applied Microbiology and Biotechnology*, APR, 2010, vol. 86, no. 4, pp. 1125-1134. ISSN 0175-7598.



CIMA, Anna; GASULL, Armengol and MANOSA, Victor. Nonautonomous Two-Periodic Gumovski-Mira Difference Equations. *International Journal of Bifurcation and Chaos*, NOV, 2012, vol. 22, no. 11, pp. 1250264. ISSN 0218-1274.

CIMA, Anna; GASULL, Armengol and MANOSA, Victor. On 2-and 3-Periodic Lyness Difference Equations. *Journal of Difference Equations and Applications*, 2012, vol. 18, no. 5, pp. 849-864. ISSN 1023-6198.

CIMA, Anna; GASULL, Armengol and MANOSA, Victor. On Poncelet's Maps. *Computers & Mathematics with Applications*, SEP, 2010, vol. 60, no. 5, pp. 1457-1464. ISSN 0898-1221.

CIMA, Anna; GASULL, Armengol and MANOSA, Victor. Some Properties of the k-Dimensional Lyness' Map. *Journal of Physics A-Mathematical and Theoretical*, JUL 18, 2008, vol. 41, no. 28, pp. 285205. ISSN 1751-8113.

CIMA, Anna; GASULL, Armengol and MANOSA, Victor. Studying Discrete Dynamical Systems through Differential Equations. *Journal of Differential Equations*, FEB 1, 2008, vol. 244, no. 3, pp. 630-648. ISSN 0022-0396.

CLARAMUNT, J.; ARDANUY, M. and GARCIA-HORTAL, J. A. Effect of Drying and Rewetting Cycles on the Structure and Physicochemical Characteristics of Softwood Fibres for Reinforcement of Cementitious Composites. *Carbohydrate Polymers*, JAN 5, 2010, vol. 79, no. 1, pp. 200-205. ISSN 0144-8617.

CLARAMUNT, Josep, et al. The Hornification of Vegetable Fibers to Improve the Durability of Cement Mortar Composites. *Cement & Concrete Composites*, MAY, 2011, vol. 33, no. 5, pp. 586-595. ISSN 0958-9465.

COBRECES, Santiago, et al. Exact Linearization Nonlinear Neutral-Point Voltage Control for Single-Phase Three-Level NPC Converters. *Ieee Transactions on Power Electronics*, OCT, 2009, vol. 24, no. 10, pp. 2357-2362. ISSN 0885-8993.

CODONY, Francesc, et al. Detection of *Catabacter hongkongensis* in Polluted European Water Samples. *Journal of Zhejiang University-Science B*, DEC, 2009, vol. 10, no. 12, pp. 867-869. ISSN 1673-1581.

CODONY, Francesc, et al. Well Water as a Possible Source of *Waddlia chondrophila* Infections. *Microbes and Environments*, DEC 7, 2012, vol. 27, no. 4, pp. 529-532. ISSN 1342-6311.



CODONY, Francesc, et al. Amoeba-Related Health Risk in Drinking Water Systems: Could Monitoring of Amoebae be a Complementary Approach to Current Quality Control Strategies?. *Future Microbiology*, JAN, 2012, vol. 7, no. 1, pp. 25-31. ISSN 1746-0913.

COLOM, X., et al. Study of the Influence of IPPD on Thermo-Oxidation Process of Elastomeric Hose. *Journal of Applied Polymer Science*, NOV 15, 2009, vol. 114, no. 4, pp. 2011-2018. ISSN 0021-8995.

COLOM, X., et al. Effect of the Particle Size and Acid Pretreatments on Compatibility and Properties of Recycled HDPE Plastic Bottles Filled with Ground Tyre Powder. *Journal of Applied Polymer Science*, MAY 15, 2009, vol. 112, no. 4, pp. 1882-1890. ISSN 0021-8995.

CONSUL, R., et al. Analysis of the Flamelet Concept in the Numerical Simulation of Laminar Partially Premixed Flames. *Combustion and Flame*, APR, 2008, vol. 153, no. 1-2, pp. 71-83. ISSN 0010-2180.

CORCOLES, F., et al. Discrete Fault-Clearing Instant Influence on the Simulation of Voltage-Source-Inverter-Fed Adjustable-Speed Drives Subjected to Voltage Sags. *IET Electric Power Applications*, MAY, 2011, vol. 5, no. 5, pp. 465-477. ISSN 1751-8660.

CORDOMI, Arnau, et al. Molecular Dynamics Simulations of Rhodopsin Point Mutants at the Cytoplasmic Side of Helices 3 and 6. *Journal of Biomolecular Structure & Dynamics*, JUN, 2008, vol. 25, no. 6, pp. 573-587. ISSN 0739-1102.

CORDESEN, Pia; PIGOLOTTI, Simone and JENSEN, Mogens H. Ecological Oscillations Induced by a Shared Predator and the "Winner Peaks First" Rule. *Physical Review E*, SEP 16, 2011, vol. 84, no. 3, pp. 031915. ISSN 1539-3755.

CUSIDO, J., et al. Wavelet and PDD as Fault Detection Techniques. *Electric Power Systems Research*, AUG, 2010, vol. 80, no. 8, pp. 915-924. ISSN 0378-7796.

CUSIDO, Jordi, et al. Signal Injection as a Fault Detection Technique. *Sensors*, MAR, 2011, vol. 11, no. 3, pp. 3356-3380. ISSN 1424-8220.

DAMASIO, Joana, et al. Identifying Major Pesticides Affecting Bivalve Species Exposed to Agricultural Pollution using Multi-Biomarker and Multivariate Methods. *Ecotoxicology*, AUG, 2010, vol. 19, no. 6, pp. 1084-1094. ISSN 0963-9292.



DAMLE, R., et al. Object-Oriented Simulation of Reciprocating Compressors: Numerical Verification and Experimental Comparison. *International Journal of Refrigeration-Revue Internationale Du Froid*, DEC, 2011, vol. 34, no. 8, pp. 1989-1998. ISSN 0140-7007.

DE LA CAL, Agustina, et al. Spatial Variation of DDT and its Metabolites in Fish and Sediment from Cinca River, a Tributary of Ebro River (Spain). *Chemosphere*, JAN, 2008, vol. 70, no. 7, pp. 1182-1189. ISSN 0045-6535.

DE LASARTE, Marta, et al. Luminance Adaptation Model for Increasing the Dynamic Range of an Imaging System Based on a CCD Camera. *Optik*, 2011, vol. 122, no. 15, pp. 1367-1372. ISSN 0030-4026.

DE LASARTE, Marta, et al. Influence of the Number of Samples of the Training Set on Accuracy of Color Measurement and Spectral Reconstruction. *Journal of Imaging Science and Technology*, MAY-JUN, 2010, vol. 54, no. 3, pp. 030501. ISSN 1062-3701.

DE LIRA, S., et al. LPV Observer Design for PEM Fuel Cell System: Application to Fault Detection. *Journal of Power Sources*, MAY 1, 2011, vol. 196, no. 9, pp. 4298-4305. ISSN 0378-7753.

DE VALCARCEL, German J.; and STALIUNAS, Kestutis. Pattern Formation through Phase Bistability in Oscillatory Systems with Space-Modulated Forcing. *Physical Review Letters*, JUL 26, 2010, vol. 105, no. 5, pp. 054101. ISSN 0031-9007.

DEL CAMPO, D., et al. Numerical Analysis of External Gear Pumps Including Cavitation. *Journal of Fluids Engineering-Transactions of the Asme*, AUG, 2012, vol. 134, no. 8, pp. 081105. ISSN 0098-2202.

DELGADO PRIETO, Miguel, et al. Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension. *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1594-1605. ISSN 0278-0046.

DESCALZI, Orazio, et al. Topics on Non-Equilibrium Statistical Mechanics and Nonlinear Physics PREFACE. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, AUG 28, 2009, vol. 367, no. 1901, pp. 3151-3156. ISSN 1364-503X.



DIAZ BLANCO, Carlos, et al. Dyeing Properties, Synthesis, Isolation and Characterization of an in Situ Generated Phenolic Pigment, Covalently Bound to Cotton. *Enzyme and Microbial Technology*, JUN 8, 2009, vol. 44, no. 6-7, pp. 380-385. ISSN 0141-0229.

DIAZ BLANCO, Carlos, et al. Hematoporphyrin-Based Amphiphiles Boost the Washing Performance of Protease-Containing Formulations in a Biomimetic Approach. *Journal of Molecular Catalysis B-Enzymatic*, JUN, 2012, vol. 78, pp. 45-50. ISSN 1381-1177.

DIAZ BLANCO, Carlos, et al. Light Harvesting Amphiphiles Boost the Performance of Lipase-Based Washing Formulations. *Enzyme and Microbial Technology*, AUG 10, 2012, vol. 51, no. 3, pp. 156-162. ISSN 0141-0229.

DIAZ BLANCO, Carlos; and TZANOV, Tzanko. Boosting the Performance of Biodetergent Formulations with Photozymes. *Abstracts of Papers of the American Chemical Society*, MAR 22, 2009, vol. 237. ISSN 0065-7727.

DIAZ GONZALEZ, M., et al. Plant Polyphenols Modified Chitosan to Inhibit Human Myeloperoxidase Chlorinating Activity. *New Biotechnology*, SEP, 2009, vol. 25, pp. S289-S290. ISSN 1871-6784.

DIAZ GONZALEZ, Maria; VIDAL, Teresa and TZANOV, Tzanko. Electrochemical Study of Phenolic Compounds as Enhancers in Laccase-Catalyzed Oxidative Reactions. *Electroanalysis*, OCT, 2009, vol. 21, no. 20, pp. 2249-2257. ISSN 1040-0397.

DIAZ, J. A., et al. Analysis of the Robustness of the Lens GRIN Profile in a Schematic Model Eye. *Journal of Modern Optics*, 2011, vol. 58, no. 19-20, pp. 1764-1769. ISSN 0950-0340.

DIAZ, Jose A., et al. Zernike Coefficients for Concentric, Circular Scaled Pupils: An Equivalent Expression. *Journal of Modern Optics*, 2009, vol. 56, no. 1, pp. 131-137. ISSN 0950-0340.

DIAZ-GONZALEZ, Maria, et al. Inhibition of Deleterious Chronic Wound Enzymes with Plant Polyphenols. *Biocatalysis and Biotransformation*, FEB, 2012, vol. 30, no. 1, pp. 102-110. ISSN 1024-2422.

DIAZ-GONZALEZ, Maria; VIDAL, Teresa and TZANOV, Tzanko. Phenolic Compounds as Enhancers in Enzymatic and Electrochemical Oxidation of Veratryl Alcohol and Lignins. *Applied Microbiology and Biotechnology*, MAR, 2011, vol. 89, no. 6, pp. 1693-1700. ISSN 0175-7598.

DIEGO, J. A., et al. Annealing Effect on the Conductivity of XLPE Insulation in Power Cable. *IEEE Transactions on Dielectrics and Electrical Insulation*, OCT, 2011, vol. 18, no. 5, pp. 1554-1561. ISSN 1070-9878.



DIEZ, M., et al. Experimental Measurements and Diffusion in Harbor and Coastal Zones. *Nuovo Cimento Della Societa Italiana Di Fisica C-Colloquia on Physics*, SEP-DEC, 2008, vol. 31, no. 5-6, pp. 843-859. ISSN 1124-1896.

DOMEDEL-PUIG, Nuria; POURNARA, Iosifinaand WERNISCH, Lorenz. Statistical Model Comparison Applied to Common Network Motifs. *Bmc Systems Biology*, MAR 3, 2010, vol. 4, pp. 18. ISSN 1752-0509.

DOMENECH, B., et al. Catalytic Membranes with Palladium Nanoparticles: From Tailored Polymer to Catalytic Applications. *Catalysis Today*, OCT 15, 2012, vol. 193, no. 1, pp. 158-164. ISSN 0920-5861.

DOMENECH, Berta, et al. Polymer-Stabilized Palladium Nanoparticles for Catalytic Membranes: Ad Hoc Polymer Fabrication. *Nanoscale Research Letters*, JUN 1, 2011, vol. 6, pp. 406. ISSN 1931-7573.

DOMINGUEZ-JUAREZ, J. L.; KOZYREFF, G.and MARTORELL, Jordi. Whispering Gallery Microresonators for Second Harmonic Light Generation from a Low Number of Small Molecules. *Nature Communications*, MAR, 2011, vol. 2, pp. 254. ISSN 2041-1723.

DORIA-CEREZO, A., et al. Control of a Stand-Alone Wound Rotor Synchronous Generator: Two Sliding Mode Approaches Via Regulation of the d-Voltage Component. *IEEE Transactions on Control Systems Technology*, MAY, 2012, vol. 20, no. 3, pp. 779-786. ISSN 1063-6536.

DREHER, Michael; QUINTANILLA, Ramonand RACKE, Reinhard. Ill-Posed Problems in Thermomechanics. *Applied Mathematics Letters*, SEP, 2009, vol. 22, no. 9, pp. 1374-1379. ISSN 0893-9659.

DUARTE, E. N., et al. A Hybrid Approach for Estimating the Drawbead Restraining Force in Sheet Metal Forming. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, JUL-SEP, 2010, vol. 32, no. 3, pp. 282-291. ISSN 1678-5878.

DUVIELLA, E., et al. Supervised Gain-Scheduling Multimodel Versus Linear Parameter Varying Internal Model Control of Open-Channel Systems for Large Operating Conditions. *Journal of Irrigation and Drainage Engineering-Asce*, AUG, 2010, vol. 136, no. 8, pp. 543-552. ISSN 0733-9437.



EGOROV, O. A., et al. Spatial Optical Solitons in Microstructured Cavities. *Applied Physics B-Lasers and Optics*, SEP, 2011, vol. 104, no. 3, pp. 537-546. ISSN 0946-2171.

ELJARRAT, Ethel, et al. Distribution and Biological Impact of Dioxin-Like Compounds in Risk Zones Along the Ebro River Basin (Spain). *Chemosphere*, APR, 2008, vol. 71, no. 6, pp. 1156-1161. ISSN 0045-6535.

ERTUERK, N., et al. Experimental Analysis of the Flow Dynamics in the Suction Chamber of an External Gear Pump. *International Journal of Mechanical Sciences*, FEB, 2011, vol. 53, no. 2, pp. 135-144. ISSN 0020-7403.

ESCOBET, T., et al. Model-Based Fault Diagnosis in PEM Fuel Cell Systems. *Journal of Power Sources*, JUL 1, 2009, vol. 192, no. 1, pp. 216-223. ISSN 0378-7753.

ESPINA, Jordi, et al. Review of Anti-Windup Strategies for PI Speed Controllers in Field Oriented Control of Permanent Magnet Synchronous Machines. *Przeegląd Elektrotechniczny*, 2009, vol. 85, no. 10, pp. 262-266. ISSN 0033-2097.

ESPINA, Jordi, et al. EMI Modeling Method of AC-AC Power Converters. *Ieice Electronics Express*, JAN 10, 2011, vol. 8, no. 1, pp. 13-19. ISSN 1349-2543.

ESPINA, Jordi, et al. Space Vector Modulation Strategy to Reduce the Common Mode Perturbations in Matrix Converters. *Ieice Electronics Express*, FEB 25, 2010, vol. 7, no. 4, pp. 281-287. ISSN 1349-2543.

ESPINOSA, A. G., et al. Closed-Loop Controller for Eliminating the Contact Bounce in DC Core Contactors. *Ieee Transactions on Components and Packaging Technologies*, SEP, 2010, vol. 33, no. 3, pp. 535-543. ISSN 1521-3331.

ESSER, G., et al. Derivation of the Refraction Equations for Higher-Order Aberrations of Local Wavefronts at Oblique Incidence. *Journal of the Optical Society of America A-Optics Image Science and Vision*, FEB, 2010, vol. 27, no. 2, pp. 218-237. ISSN 1084-7529.

ESSER, Gregor, et al. Derivation of the Reflection Equations for Higher-Order Aberrations of Local Wave Fronts by Oblique Incidence. *Advances in Imaging and Electron Physics, Vol 171*, 2012, vol. 171, pp. 1-39. ISSN 1076-5670; 978-0-12-394297-5.



ESSER, Gregor, et al. Derivation of the Propagation Equations for Higher Order Aberrations of Local Wavefronts. *Journal of the Optical Society of America A-Optics Image Science and Vision*, DEC, 2011, vol. 28, no. 12, pp. 2442-2458. ISSN 1084-7529.

ETRICH, Christoph, et al. Ab Initio Dissipative Solitons in an all-Photonic Crystal Resonator. *Physical Review a*, AUG 25, 2011, vol. 84, no. 2, pp. 021808. ISSN 1050-2947.

FARIA, Melissa, et al. Multi-Biomarker Responses in the Freshwater Mussel *Dreissena Polymorpha* Exposed to Polychlorobiphenyls and Metals. *Comparative Biochemistry and Physiology C-Toxicology & Pharmacology*, APR, 2009, vol. 149, no. 3, pp. 281-288. ISSN 1532-0456.

FARIA, Melissa, et al. Contaminant Accumulation and Multi-Biomarker Responses in Field Collected Zebra Mussels (*Dreissena Polymorpha*) and Crayfish (*Procambarus Clarkii*), to Evaluate Toxicological Effects of Industrial Hazardous Dumps in the Ebro River (NE Spain). *Chemosphere*, JAN, 2010, vol. 78, no. 3, pp. 232-240. ISSN 0045-6535.

FERNANDES, Margarida M., et al. Protein Disulphide Isomerase-Assisted Functionalization of Keratin-Based Matrices. *Applied Microbiology and Biotechnology*, MAY, 2011, vol. 90, no. 4, pp. 1311-1321. ISSN 0175-7598.

FERNANDES, Margarida, et al. Protein Disulfide Isomerase-Assisted Functionalization of Keratin-Based Matrices. *Abstracts of Papers of the American Chemical Society*, MAR 27, 2011, vol. 241. ISSN 0065-7727.

FERNANDEZ SARE, Hugo D.; MUNOZ RIVERA, Jaime E. and QUINTANILLA, Ramon. On the Rate of Decay in Interacting Continua with Memory. *Journal of Differential Equations*, DEC 15, 2011, vol. 251, no. 12, pp. 3583-3605. ISSN 0022-0396.

FERNANDEZ SARE, Hugo D.; MUNOZ RIVERA, Jaime E. and QUINTANILLA, Ramon. Decay of Solutions in Nonsimple Thermoelastic Bars. *International Journal of Engineering Science*, NOV, 2010, vol. 48, no. 11, pp. 1233-1241. ISSN 0020-7225.

FERNANDEZ, A. I., et al. Characterization of Poly(Ethylene-Co-Vinyl Acetate) (EVA) Filled with Low Grade Magnesium Hydroxide. *Polymer Degradation and Stability*, JAN, 2009, vol. 94, no. 1, pp. 57-60. ISSN 0141-3910.



FERNANDEZ, Daniel; MARTINEZ-ALVARADO, Luis and MADRENAS, Jordi. A Translinear, Log-Domain FPAA on Standard CMOS Technology. *IEEE Journal of Solid-State Circuits*, FEB, 2012, vol. 47, no. 2, pp. 490-503. ISSN 0018-9200.

FERNANDEZ, R. A Modified Charge Pumping Method for Measuring Interface States Up to the Ghz Range. *Journal of Electronic Testing-Theory and Applications*, AUG, 2009, vol. 25, no. 4-5, pp. 279-283. ISSN 0923-8174.

FERNANDEZ, Vicenc, et al. 'Low-Cost Educational Videos' for Engineering Students: A New Concept Based on Video Streaming and YouTube Channels. *International Journal of Engineering Education*, 2011, vol. 27, no. 3, pp. 518-527. ISSN 0949-149X.

FERNANDEZ, Vicenc, et al. The Frequency of the Dyadic Influence Tactics According to Communication Media. *Behaviour & Information Technology*, 2012, vol. 31, no. 6, pp. 577-586. ISSN 0144-929X.

FERNANDEZ, Vicenc; SIMO, Pep and SALLAN, Jose M. Podcasting: A New Technological Tool to Facilitate Good Practice in Higher Education. *Computers & Education*, SEP, 2009, vol. 53, no. 2, pp. 385-392. ISSN 0360-1315.

FERNANDEZ, Vicenc; and SUNE, Albert. Organizational Forgetting and its Causes: An Empirical Research. *Journal of Organizational Change Management*, 2009, vol. 22, no. 6, pp. 620-634. ISSN 0953-4814.

FERNANDEZ-GARCIA, R.; KACZER, B. and GROESENEKEN, G. A CMOS Circuit for Evaluating the NBTI Over a Wide Frequency Range. *Microelectronics Reliability*, AUG, 2009, vol. 49, no. 8, pp. 885-891. ISSN 0026-2714.

FERNANDEZ-GARCIA, Raul, et al. A New Approach to Modeling the Impact of EMI on MOSFET DC Behavior. *IEICE Transactions on Electronics*, DEC, 2011, vol. E94C, no. 12, pp. 1906-1908. ISSN 0916-8524.

FERRER, Ana, et al. Effect of Residual Lignin and Heteropolysaccharides in Nanofibrillar Cellulose and Nanopaper from Wood Fibers. *Cellulose*, DEC, 2012, vol. 19, no. 6, pp. 2179-2193. ISSN 0969-0239.

FIERREZ, J., et al. BiosecuRID: A Multimodal Biometric Database. *Pattern Analysis and Applications*, MAY, 2010, vol. 13, no. 2, pp. 235-246. ISSN 1433-7541.



FILLAT, A., et al. Enzymatic Grafting of Natural Phenols to Flax Fibres: Development of Antimicrobial Properties. *Carbohydrate Polymers*, JAN 4, 2012, vol. 87, no. 1, pp. 146-152. ISSN 0144-8617.

FILLAT, Amanda; BLANCA RONCERO, M. and VIDAL, Teresa. Elucidating the Effects of Laccase-Modifying Compounds Treatments on Bast and Core Fibers in Flax Pulp. *Biotechnology and Bioengineering*, JAN, 2012, vol. 109, no. 1, pp. 225-233. ISSN 0006-3592.

FILLAT, Amanda; BLANCA RONCERO, M. and VIDAL, Teresa. Assessing the use of Xylanase and Laccases in Biobleaching Stages of a TCF Sequence for Flax Pulp. *Journal of Chemical Technology and Biotechnology*, DEC, 2011, vol. 86, no. 12, pp. 1501-1507. ISSN 0268-2575.

FILLAT, Amanda; COLOM, Josep F. and VIDAL, Teresa. A New Approach to the Biobleaching of Flax Pulp with Laccase using Natural Mediators. *Bioresource Technology*, JUN, 2010, vol. 101, no. 11, pp. 4104-4110. ISSN 0960-8524.

FILLAT, Ursula; and BLANCA RONCERO, M. Flax Biobleaching by Laccase Mediator System at Atmospheric Pressure. *Afinidad*, JUL-AUG, 2010, vol. 67, no. 548, pp. 254-261. ISSN 0001-9704.

FILLAT, Ursula; and BLANCA RONCERO, M. Optimization of Laccase-Mediator System in Producing Biobleached Flax Pulp. *Bioresource Technology*, JAN, 2010, vol. 101, no. 1, pp. 181-187. ISSN 0960-8524.

FILLAT, Ursula; and BLANCA RONCERO, M. Effect of Process Parameters in Laccase Mediator System Delignification of Flax Pulp. Part II: Impact on Effluents Properties. *Chemical Engineering Journal*, OCT 15, 2009, vol. 152, no. 2-3, pp. 330-338. ISSN 1385-8947.

FILLAT, Ursula; and BLANCA RONCERO, M. Effect of Process Parameters in Laccase-Mediator System Delignification of Flax Pulp Part I. Pulp Properties. *Chemical Engineering Journal*, OCT 15, 2009, vol. 152, no. 2-3, pp. 322-329. ISSN 1385-8947.

FILLAT, Ursula, et al. Effect of Commercial Xylanases Applied at Extreme Conditions in a Eucalyptus Pulp Mill. *Tappi Journal*, OCT, 2012, vol. 11, no. 10, pp. 53-59. ISSN 0734-1415.

FILLAT, Ursula, et al. An Approach to Industrial Application: Influence of Black Liquor and pH on Xylanase Efficiency in Bleaching of Eucalyptus Kraft Pulp. *Industrial & Engineering Chemistry Research*, NOV 17, 2010, vol. 49, no. 22, pp. 11200-11205. ISSN 0888-5885.



FILLAT, Ursula, et al. Integrating a Xylanase Treatment into an Industrial-Type Sequence for Eucalyptus Kraft Pulp Bleaching. *Industrial & Engineering Chemistry Research*, FEB 22, 2012, vol. 51, no. 7, pp. 2830-2837. ISSN 0888-5885.

FILLAT, Ursula, et al. Flax Fibers as a Raw Material: How to Bleach Efficiently a Non-Woody Plant to Obtain High-Quality Pulp. *Biomass & Bioenergy*, DEC, 2010, vol. 34, no. 12, pp. 1896-1905. ISSN 0961-9534.

FILLAT, Ursula; and RONCERO, M. Blanca. Biobleaching of High Quality Pulps with Laccase Mediator System: Influence of Treatment Time and Oxygen Supply. *Biochemical Engineering Journal*, MAY 15, 2009, vol. 44, no. 2-3, pp. 193-198. ISSN 1369-703X.

FITTIPALDI, M.; CODONY, F. and MORATO, J. Comparison of Conventional Culture and Real-Time Quantitative PCR using SYBR Green for Detection of Legionella Pneumophila in Water Samples. *Water Sa*, JUL, 2010, vol. 36, no. 4, pp. 417-424. ISSN 0378-4738.

FITTIPALDI, Mariana, et al. Viable Real-Time PCR in Environmental Samples: Can all Data be Interpreted Directly?. *Microbial Ecology*, JAN, 2011, vol. 61, no. 1, pp. 7-12. ISSN 0095-3628.

FITTIPALDI, Mariana; NOCKER, Andreas and CODONY, Francesc. Progress in Understanding Preferential Detection of Live Cells using Viability Dyes in Combination with DNA Amplification. *Journal of Microbiological Methods*, NOV, 2012, vol. 91, no. 2, pp. 276-289. ISSN 0167-7012.

FITTIPALDI, Mariana, et al. Discrimination of Viable Acanthamoeba Castellani Trophozoites and Cysts by Propidium Monoazide Real-Time Polymerase Chain Reaction. *Journal of Eukaryotic Microbiology*, JUL-AUG, 2011, vol. 58, no. 4, pp. 359-364. ISSN 1066-5234.

FITTIPALDI, Mariana, et al. Discrimination of Infectious Bacteriophage T4 Virus by Propidium Monoazide Real-Time PCR. *Journal of Virological Methods*, SEP, 2010, vol. 168, no. 1-2, pp. 228-232. ISSN 0166-0934.

FLORES ANDRES, Navarro; and SOLA FRANCISCO, Martinez. Effects of Sewage Sludge Application on Heavy Metal Leaching from Mine Tailings Impoundments. *Bioresource Technology*, NOV, 2008, vol. 99, no. 16, pp. 7521-7530. ISSN 0960-8524.

FONT, J. L., et al. Transverse Effects in a Thin Slab of Material with Local-Field Induced Intrinsic Optical Bistability. *Journal of the Optical Society of America B-Optical Physics*, DEC, 2008, vol. 25, no. 12, pp. 2036-2048. ISSN 0740-3224.



FORCADA, Nuria, et al. A Web-Based System for Sharing and Disseminating Research Results: The Underground Construction Case Study. *Automation in Construction*, JUL, 2010, vol. 19, no. 4, pp. 458-474. ISSN 0926-5805.

FORCADA, Nuria, et al. Improving Design Competences: Experiences in Group-Based Learning Based on ICTs in a Blended Learning Environment. *International Journal of Engineering Education*, 2011, vol. 27, no. 2, pp. 292-302. ISSN 0949-149X.

FORCADA, Nuria, et al. Influence of Building Type on Post-Handover Defects in Housing. *Journal of Performance of Constructed Facilities*, JUL-AUG, 2012, vol. 26, no. 4, pp. 433-440. ISSN 0887-3828.

FORTUNY, J., et al. Temnospondyli Bite Club: Ecomorphological Patterns of the most Diverse Group of Early Tetrapods. *Journal of Evolutionary Biology*, SEP, 2011, vol. 24, no. 9, pp. 2040-2054. ISSN 1010-061X.

FORTUNY, Josep, et al. Skull Mechanics and the Evolutionary Patterns of the Otic Notch Closure in Capitosaurus (Amphibia: Temnospondyli). *Anatomical Record-Advances in Integrative Anatomy and Evolutionary Biology*, JUL, 2012, vol. 295, no. 7, pp. 1134-1146. ISSN 1932-8486.

FORTUNY, Josep; MARCE-NOGUE, Jordi and STEYER, J. S. 3d Finite Element Analysis of a Capitosaurian Skull (Temnospondyli) from the Triassic of Madagascar. *Journal of Vertebrate Paleontology*, 2012, vol. 32, pp. 96-96. ISSN 0272-4634.

FRAGA, I.; HUTCHINSON, J. M. and MONTSERRAT, S. Vitrification and Devitrification during the Non-Isothermal Cure of a Thermoset. *Journal of Thermal Analysis and Calorimetry*, MAR, 2010, vol. 99, no. 3, pp. 925-929. ISSN 1388-6150.

FRAGA, I.; MONTSERRAT, S. and HUTCHINSON, J. M. Vitrification during the Isothermal Cure of Thermosets. Part I. an Investigation using TOPEM, a New Temperature Modulated Technique. *Journal of Thermal Analysis and Calorimetry*, MAR, 2008, vol. 91, no. 3, pp. 687-695. ISSN 1388-6150.

FRAGA, Iria; MONTSERRAT, Salvador and HUTCHINSON, John M. Vitrification and Devitrification during the Non-Isothermal Cure of a Thermoset. Theoretical Model and Comparison with Calorimetric Experiments. *Macromolecular Chemistry and Physics*, JAN 5, 2010, vol. 211, no. 1, pp. 57-65. ISSN 1022-1352.



FRAGA, Iria; MONTSERRAT, Salvador and HUTCHINSON, John M. Vitrification during the Isothermal Cure of Thermosets: Comparison of Theoretical Simulations with Temperature-Modulated DSC and Dielectric Analysis. *Macromolecular Chemistry and Physics*, OCT 7, 2008, vol. 209, no. 19, pp. 2003-2011. ISSN 1022-1352.

FRANCESKO, Antonio, et al. Functionalized Biopolymer Platforms for Inhibition of Chronic Wound Enzymes. *Abstracts of Papers of the American Chemical Society*, MAR 22, 2009, vol. 237. ISSN 0065-7727.

FRANCESKO, Antonio, et al. GAGs-Thiolated Chitosan Assemblies for Chronic Wounds Treatment: Control of Enzyme Activity and Cell Attachment. *Journal of Materials Chemistry*, 2012, vol. 22, no. 37, pp. 19438-19446. ISSN 0959-9428.

FRANCESKO, Antonio; and TZANOV, Tzanko. Chitin, Chitosan and Derivatives for Wound Healing and Tissue Engineering. *Biofunctionalization of Polymers and their Applications*, 2011, vol. 125, pp. 1-27. ISSN 0724-6145; 978-3-642-21949-8.

FRANCO-URQUIZA, E., et al. Influence of Processing on the Ethylene-Vinyl Alcohol (EVOH) Properties: Application of the Successive Self-Nucleation and Annealing (SSA) Technique. *Express Polymer Letters*, MAR, 2010, vol. 4, no. 3, pp. 153-160. ISSN 1788-618X.

FRANCO-URQUIZA, Edgar, et al. The Effect of Organo-Modifier on the Structure and Properties of Poly[Ethylene-(Vinyl Alcohol)]/organo-Modified Montmorillonite Composites. *Polymer International*, JUN, 2010, vol. 59, no. 6, pp. 778-786. ISSN 0959-8103.

FRANQUESA, David, et al. The Social and Environmental Impact of Engineering Solutions: From the Lab to the Real World. *International Journal of Engineering Education*, 2010, vol. 26, no. 5, pp. 1144-1155. ISSN 0949-149X.

FUELLEKRUG, M., et al. Relativistic Electron Beams Above Thunderclouds. *Atmospheric Chemistry and Physics*, 2011, vol. 11, no. 15, pp. 7747-7754. ISSN 1680-7316.

FUELLEKRUG, Martin, et al. Relativistic Runaway Breakdown in Low-Frequency Radio. *Journal of Geophysical Research-Space Physics*, JAN 14, 2010, vol. 115, pp. A00E09. ISSN 0148-0227.

GACEN, J., et al. Characterization of the Fine Structure of Polyamide 6 Fibres through the Differential Solubility Test. *Afinidad*, JAN-FEB, 2008, vol. 65, no. 533, pp. 26-31. ISSN 0001-9704.



GAFFAR HOSSAIN, Kh M., et al. Enzyme-Mediated Coupling of a Bi-Functional Phenolic Compound Onto Wool to Enhance its Physical, Mechanical and Functional Properties. *Enzyme and Microbial Technology*, MAR 5, 2010, vol. 46, no. 3-4, pp. 326-330. ISSN 0141-0229.

GAFFAR HOSSAIN, Kh M., et al. Enzymatic Process for Multifunctional Protein Fibres. *Abstracts of Papers of the American Chemical Society*, MAR 22, 2009, vol. 237. ISSN 0065-7727.

GAFFAR HOSSAIN, Kh M., et al. Multifunctional Modification of Wool using an Enzymatic Process in Aqueous-Organic Media. *Journal of Biotechnology*, APR 20, 2009, vol. 141, no. 1-2, pp. 58-63. ISSN 0168-1656.

GAIZAUSKAS, E.; SAVICKAS, A. and STALIUNAS, K. Radiation from Band-Gap Solitons. *Optics Communications*, APR 15, 2012, vol. 285, no. 8, pp. 2166-2170. ISSN 0030-4018.

GALICIA-GARCIA, T., et al. Thermal and Microstructural Characterization of Biodegradable Films Prepared by Extrusion-Calendering Process. *Carbohydrate Polymers*, JAN 10, 2011, vol. 83, no. 2, pp. 354-361. ISSN 0144-8617.

GALICIA-GARCIA, T., et al. Films of Native and Modified Starch Reinforced with Fiber: Influence of some Extrusion Variables using Response Surface Methodology. *Journal of Applied Polymer Science*, OCT 25, 2012, vol. 126, pp. E326-E335. ISSN 0021-8995.

GALLARDO, Oscar, et al. Characterization of a Family GH5 Xylanase with Activity on Neutral Oligosaccharides and Evaluation as a Pulp Bleaching Aid. *Applied and Environmental Microbiology*, SEP, 2010, vol. 76, no. 18, pp. 6290-6294. ISSN 0099-2240.

GALVEZ-CARRILLO, Imma; NEUMANN, Frank and TONKS, Andrew. Andre Spectral Sequences for Baues-Wirsching Cohomology of Categories. *Journal of Pure and Applied Algebra*, NOV, 2012, vol. 216, no. 11, pp. 2549-2561. ISSN 0022-4049.

GALVEZ-CARRILLO, Imma; TONKS, Andy and VALLETTE, Bruno. Homotopy Batalin-Vilkovisky Algebras. *Journal of Noncommutative Geometry*, 2012, vol. 6, no. 3, pp. 539-602. ISSN 1661-6952.

GAMEZ-MONTERO, P. J., et al. GEROLAB Package System: Innovative Tool to Design a Trochoidal-Gear Pump. *Journal of Mechanical Design*, JUL, 2009, vol. 131, no. 7, pp. 074502. ISSN 1050-0472.

GAMEZ-MONTERO, P. J., et al. Teeth Clearance and Relief Grooves Effects in a Trochoidal-Gear Pump using New Modules of GeroLAB. *Journal of Mechanical Design*, MAY, 2012, vol. 134, no. 5, pp. 054502. ISSN 1050-0472.



GAMEZ-MONTERO, P. J., et al. Friction Effects on the Load Capacity of a Column and a Hydraulic Cylinder. *International Journal of Mechanical Sciences*, FEB, 2009, vol. 51, no. 2, pp. 145-151. ISSN 0020-7403.

GAMEZ-MONTERO, P. J., et al. Misalignment Effects on the Load Capacity of a Hydraulic Cylinder. *International Journal of Mechanical Sciences*, FEB, 2009, vol. 51, no. 2, pp. 105-113. ISSN 0020-7403.

GAMEZ-MONTERO, Pedro-Javier, et al. Influence of the Interteeth Clearances on the Flow Ripple in a Gerotor Pump for Engine Lubrication. *Proceedings of the Institution of Mechanical Engineers Part D-Journal of Automobile Engineering*, 2012, vol. 226, no. D7, pp. 930-942. ISSN 0954-4070.

GAMEZ-PEREZ, J., et al. Influence of Crystallinity on the Fracture Toughness of Poly(Lactic Acid)/Montmorillonite Nanocomposites Prepared by Twin-Screw Extrusion. *Journal of Applied Polymer Science*, APR 15, 2011, vol. 120, no. 2, pp. 896-905. ISSN 0021-8995.

GAMEZ-PEREZ, J., et al. Use of Extensometers on Essential Work of Fracture (EWF) Tests. *Polymer Testing*, JUN, 2008, vol. 27, no. 4, pp. 491-497. ISSN 0142-9418.

GAMEZ-PEREZ, J., et al. Fracture Behavior of Quenched Poly(Lactic Acid). *Express Polymer Letters*, JAN, 2011, vol. 5, no. 1, pp. 82-91. ISSN 1788-618X.

GANGOLELLS, Marta, et al. Mitigating Construction Safety Risks using Prevention through Design. *Journal of Safety Research*, APR, 2010, vol. 41, no. 2, pp. 107-122. ISSN 0022-4375.

GANGOLELLS, Marta; and CASALS, Miquel. Resilience to Increasing Temperatures: Residential Building Stock Adaptation through Codes and Standards. *Building Research and Information*, 2012, vol. 40, no. 6, pp. 645-664. ISSN 0961-3218.

GANGOLELLS, Marta, et al. Assessing Concerns of Interested Parties when Predicting the Significance of Environmental Impacts Related to the Construction Process of Residential Buildings. *Building and Environment*, MAY, 2011, vol. 46, no. 5, pp. 1023-1037. ISSN 0360-1323.

GANGOLELLS, Marta, et al. A Methodology for Predicting the Severity of Environmental Impacts Related to the Construction Process of Residential Buildings. *Building and Environment*, MAR, 2009, vol. 44, no. 3, pp. 558-571. ISSN 0360-1323.



GARCES, Alejandro; MOLINAS, Marta and RODRIGUEZ, Pedro. A Generalized Compensation Theory for Active Filters Based on Mathematical Optimization in ABC Frame. *Electric Power Systems Research*, SEP, 2012, vol. 90, pp. 1-10. ISSN 0378-7796.

GARCIA BARNETO, Agustin, et al. Thermogravimetric Measurement of Amorphous Cellulose Content in Flax Fibre and Flax Pulp. *Cellulose*, FEB, 2011, vol. 18, no. 1, pp. 17-31. ISSN 0969-0239.

GARCIA ESPINOSA, Antonio, et al. Sensorless Control and Fault Diagnosis of Electromechanical Contactors. *IEEE Transactions on Industrial Electronics*, OCT, 2008, vol. 55, no. 10, pp. 3742-3750. ISSN 0278-0046.

GARCIA ESPINOSA, Antonio, et al. Fault Detection by Means of Hilbert-Huang Transform of the Stator Current in a PMSM with Demagnetization. *IEEE Transactions on Energy Conversion*, JUN, 2010, vol. 25, no. 2, pp. 312-318. ISSN 0885-8969.

GARCIA, A., et al. Reliable Electro-Mechanical Actuators in Aircraft. *IEEE Aerospace and Electronic Systems Magazine*, AUG, 2008, vol. 23, no. 8, pp. 19-+. ISSN 0885-8985.

GARCIA, Xavier del Toro, et al. Direct Torque Control of Induction Motors Utilizing Three-Level Voltage Source Inverters. *IEEE Transactions on Industrial Electronics*, FEB, 2008, vol. 55, no. 2, pp. 956-958. ISSN 0278-0046.

GARCIA-GRILLASCA, G., et al. Study of Enzymatic Degradation of Bacterial Poly(3-Hydroxybutyrate). *New Biotechnology*, SEP, 2009, vol. 25, pp. S129-S130. ISSN 1871-6784.

GARCIA-MONTANO, Julia, et al. The Testing of several Biological and Chemical Coupled Treatments for Cibacron Red FN-R Azo Dye Removal. *Journal of Hazardous Materials*, JUN 15, 2008, vol. 154, no. 1-3, pp. 484-490. ISSN 0304-3894.

GARCIA-MONTANO, Julia, et al. Pilot Plant Scale Reactive Dyes Degradation by Solar Photo-Fenton and Biological Processes. *Journal of Photochemistry and Photobiology A-Chemistry*, APR 15, 2008, vol. 195, no. 2-3, pp. 205-214. ISSN 1010-6030.

GARCIA-MONTANO, Julia, et al. Degradation Pathways of the Commercial Reactive Azo Dye Procion Red H-E7B Under Solar-Assisted Photo-Fenton Reaction. *Environmental Science & Technology*, SEP 1, 2008, vol. 42, no. 17, pp. 6663-6670. ISSN 0013-936X.

GARCIA-OJALVO, Jordi. Physical Approaches to the Dynamics of Genetic Circuits: A Tutorial. *Contemporary Physics*, 2011, vol. 52, no. 5, pp. 439-464. ISSN 0010-7514.



GARCIA-OJALVO, Jordi; and ARIAS, Alfonso Martinez. Towards a Statistical Mechanics of Cell Fate Decisions. *Current Opinion in Genetics & Development*, DEC, 2012, vol. 22, no. 6, pp. 619-626. ISSN 0959-437X.

GARCIA-PARRA, Mercedes, et al. Intangible Liabilities: Beyond Models of Intellectual Assets. *Management Decision*, 2009, vol. 47, no. 5-6, pp. 819-830. ISSN 0025-1747.

GARCIA-UBASART, Jordi, et al. A New Procedure for the Hydrophobization of Cellulose Fibre using Laccase and a Hydrophobic Phenolic Compound. *Bioresource Technology*, MAY, 2012, vol. 112, pp. 341-344. ISSN 0960-8524.

GARCIA-UBASART, Jordi, et al. Enzymatic Treatments of Pulp using Laccase and Hydrophobic Compounds. *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 2799-2803. ISSN 0960-8524.

GARRIDO-SORIANO, Nuria, et al. Potential Energy Savings and Economic Impact of Residential Buildings Under National and Regional Efficiency Scenarios. A Catalan Case Study. *Energy and Buildings*, JUN, 2012, vol. 49, pp. 119-125. ISSN 0378-7788.

GASULL, Armengol; MANOSA, Victor and XARLES, Xavier. Rational Periodic Sequences for the Lyness Recurrence. *Discrete and Continuous Dynamical Systems*, FEB, 2012, vol. 32, no. 2, pp. 587-604. ISSN 1078-0947.

GEDLER, G., et al. Thermal Stability of Polycarbonate-Graphene Nanocomposite Foams. *Polymer Degradation and Stability*, AUG, 2012, vol. 97, no. 8, pp. 1297-1304. ISSN 0141-3910.

GENESCA, M., et al. Passive Acoustic Method for Tracking Moving Sound Sources. *Acta Acustica United with Acustica*, JAN-FEB, 2011, vol. 97, no. 1, pp. 34-43. ISSN 1610-1928.

GENESCA, M., et al. Aircraft Noise Monitoring with Linear Microphone Arrays. *IEEE Aerospace and Electronic Systems Magazine*, JAN, 2010, vol. 25, no. 1, pp. 14-18. ISSN 0885-8985.

GENESCA, M., et al. Real Time Aircraft Fly-Over Noise Discrimination. *Journal of Sound and Vibration*, JUN 5, 2009, vol. 323, no. 1-2, pp. 112-129. ISSN 0022-460X.

GHOSH, D. S., et al. Semi-Transparent Metal Electrode of Cu-Ni as a Replacement of an ITO in Organic Photovoltaic Cells. *Solar Energy Materials and Solar Cells*, APR, 2011, vol. 95, no. 4, pp. 1228-1231. ISSN 0927-0248.



GIL, I.; FERNANDEZ-GARCIA, R. and BALCELLS, J. Analysis and Characterisation of Coupled Transmission Lines Loaded with Complementary Spiral Resonators. *IET Microwaves Antennas & Propagation*, FEB, 2011, vol. 5, no. 3, pp. 290-297. ISSN 1751-8725.

GIL, I., et al. Characterization and Modelling of Switchable Stop-Band Filters Based on RF-MEMS and Complementary Split Ring Resonators. *Microelectronic Engineering*, JAN, 2011, vol. 88, no. 1, pp. 1-5. ISSN 0167-9317.

GIL, Ignacio, et al. Low-Power Current-Reused RF Front-End Based on Optimized Transformers Topology. *Integration-the Vlsi Journal*, APR, 2010, vol. 43, no. 2, pp. 230-236. ISSN 0167-9260.

GIL, Ignacio, et al. Multiband EMI Filter Based on Metamaterials. *IET Electronics Express*, MAY 10, 2010, vol. 7, no. 9, pp. 563-568. ISSN 1349-2543.

GIL, Lluís, et al. Loss of Strength in Asbestos-Cement Water Pipes due to Leaching. *Structural Engineering and Mechanics*, DEC 10, 2011, vol. 40, no. 5, pp. 655-663. ISSN 1225-4568.

GIL, Miguel A., et al. Visual Acuity, Contrast Sensitivity, Subjective Quality of Vision, and Quality of Life with 4 Different Multifocal IOLs. *European Journal of Ophthalmology*, MAR-APR, 2012, vol. 22, no. 2, pp. 175-187. ISSN 1120-6721.

GINOVART, M.; and CANADAS, J. C. INDISIM-YEAST: An Individual-Based Simulator on a Website for Experimenting and Investigating Diverse Dynamics of Yeast Populations in Liquid Media. *Journal of Industrial Microbiology & Biotechnology*, NOV, 2008, vol. 35, no. 11, pp. 1359-1366. ISSN 1367-5435.

GIRALDI, A. L. F. de M., et al. Effect of Clay Content and Speed Screw Rotation on the Crystallization and Thermal Behaviors of Recycled PET/Clay Nanocomposites. *Journal of Nanoscience and Nanotechnology*, JUN, 2009, vol. 9, no. 6, pp. 3883-3890. ISSN 1533-4880.

GIRALDI, A. L. F. de M., et al. Effects of Extrusion Conditions on the Properties of Recycled Poly(Ethylene Terephthalate)/nanoclay Nanocomposites Prepared by a Twin-Screw Extruder. *Journal of Applied Polymer Science*, MAY 15, 2008, vol. 108, no. 4, pp. 2252-2259. ISSN 0021-8995.

GOLDBACH, Markus, et al. Neurodynamical Amplification of Perceptual Signals Via System-Size Resonance. *Physica D-Nonlinear Phenomena*, MAR, 2008, vol. 237, no. 3, pp. 316-323. ISSN 0167-2789.



GONCALVES, M.; JIMENEZ-GUERRERO, P. and BALDASANO, J. M. The Challenge of Improving Urban Air Quality: Effects of Hybrid Cars, Introduction in Barcelona and Madrid (Spain). *International Journal of Environment and Pollution*, 2011, vol. 47, no. 1-4, pp. 70-78. ISSN 0957-4352.

GORDIETS, B. F., et al. Nanoparticles in SiH₄-Ar Plasma: Modelling and Comparison with Experimental Data. *Journal of Applied Physics*, NOV 15, 2011, vol. 110, no. 10, pp. 103302. ISSN 0021-8979.

GOROBETS, A., et al. Hybrid MPI Plus OpenMP Parallelization of an FFT-Based 3D Poisson Solver with One Periodic Direction. *Computers & Fluids*, OCT, 2011, vol. 49, no. 1, pp. 101-109. ISSN 0045-7930.

GOROBETS, A., et al. A Scalable Parallel Poisson Solver for Three-Dimensional Problems with One Periodic Direction. *Computers & Fluids*, MAR, 2010, vol. 39, no. 3, pp. 525-538. ISSN 0045-7930.

GORRETA, Sergi, et al. Pulsed Digital Oscillators for Electrostatic MEMS. *Ieee Transactions on Circuits and Systems I-Regular Papers*, DEC, 2012, vol. 59, no. 12, pp. 2835-2845. ISSN 1549-8328.

GRAU-MOYA, Jordi; PONS, Antonio J. and GARCIA-OJALVO, Jordi. Noise-Induced Up/down Dynamics in Scale-Free Neuronal Networks. *International Journal of Bifurcation and Chaos*, JUL, 2012, vol. 22, no. 7, pp. 1250175. ISSN 0218-1274.

GRAY, Daniel C., et al. In Vivo Imaging of the Fine Structure of Rhodamine-Labeled Macaque Retinal Ganglion Cells. *Investigative Ophthalmology & Visual Science*, JAN, 2008, vol. 49, no. 1, pp. 467-473. ISSN 0146-0404.

GUARDO, A., et al. A CFD Approach to Evaluate the Influence of Construction and Operation Parameters on the Performance of Active Transparent Facades in Mediterranean Climates. *Energy and Buildings*, MAY, 2009, vol. 41, no. 5, pp. 534-542. ISSN 0378-7788.

GUAUS, E.; ERRACHID, A. and TORRENT-BURGUES, J. Voltammetric Response of a Glassy Carbon Electrode Modified by a Langmuir-Blodgett Film of a Thiomacrocyclic Compound. *Journal of Electroanalytical Chemistry*, MAR 15, 2008, vol. 614, no. 1-2, pp. 73-82. ISSN 1572-6657.

GUAUS, E., et al. Glassy Carbon Electrode Modified with a Langmuir-Blodgett Film of a Thiomacrocyclic Ionophore for Cu(II) Recognition. *Sensor Letters*, OCT, 2009, vol. 7, no. 5, pp. 1006-1011. ISSN 1546-198X.



GUITART, Xavier. Abelian Varieties with Many Endomorphisms and their Absolutely Simple Factors. *Revista Matemática Iberoamericana*, 2012, vol. 28, no. 2, pp. 591-601. ISSN 0213-2230.

GUITART, Xavier. Fields of Definition of Building Blocks with Quaternionic Multiplication. *Acta Arithmetica*, 2012, vol. 153, no. 1, pp. 1-14. ISSN 0065-1036.

GUTIERREZ, M. C., et al. Infrared Analysis of the Amino Group Content in Functional Aminopolydimethylsiloxanes. *Fibers and Polymers*, AUG, 2009, vol. 10, no. 4, pp. 437-441. ISSN 1229-9197.

HALDOUPIS, C., et al. More Evidence for a One-to-One Correlation between Sprites and Early VLF Perturbations. *Journal of Geophysical Research-Space Physics*, JUL 10, 2010, vol. 115, pp. A07304. ISSN 0148-0227.

HARTMANN, S., et al. A Contact Domain Method for Large Deformation Frictional Contact Problems. Part 2: Numerical Aspects. *Computer Methods in Applied Mechanics and Engineering*, 2009, vol. 198, no. 33-36, pp. 2607-2631. ISSN 0045-7825.

HARTMANN, S., et al. A 3D Frictionless Contact Domain Method for Large Deformation Problems. *Cmes-Computer Modeling in Engineering & Sciences*, JAN, 2010, vol. 55, no. 3, pp. 211-269. ISSN 1526-1492.

HASMANN, Andrea, et al. Sensor Materials for the Detection of Human Neutrophil Elastase and Cathepsin G Activity in Wound Fluid. *Experimental Dermatology*, JUN, 2011, vol. 20, no. 6, pp. 508-513. ISSN 0906-6705.

HEIDRICH, Oliver; HARVEY, Joanand TOLLIN, Nicola. Stakeholder Analysis for Industrial Waste Management Systems. *Waste Management*, FEB, 2009, vol. 29, no. 2, pp. 965-973. ISSN 0956-053X.

HERNANDEZ, J. A., et al. On the Proper Characterization of Tooling Motions and Initial Conditions in Powder Die Compaction Modeling. *Journal of Materials Processing Technology*, AUG, 2011, vol. 211, no. 8, pp. 1348-1357. ISSN 0924-0136.

HERNANDEZ, J. A., et al. Finite Element Modelling of Ejection Cracks in Powder Metallurgy Die Compaction Processes: Case Study. *Powder Metallurgy*, FEB, 2012, vol. 55, no. 1, pp. 36-44. ISSN 0032-5899.



HERNANDEZ, J. A., et al. Numerical Modeling of Crack Formation in Powder Forming Processes. *International Journal of Solids and Structures*, JAN 15, 2011, vol. 48, no. 2, pp. 292-316. ISSN 0020-7683.

HERNANDEZ, J. A., et al. A Robust Approach to Model Densification and Crack Formation in Powder Compaction Processes. *International Journal for Numerical Methods in Engineering*, AUG 26, 2011, vol. 87, no. 8, pp. 735-767. ISSN 0029-5981.

HERNANDEZ-ABAD, Francisco, et al. Interactive Educational Software of Textile Design. *Computer Applications in Engineering Education*, MAR, 2012, vol. 20, no. 1, pp. 161-174. ISSN 1061-3773.

HERRERO, R., et al. Beam Shaping in Spatially Modulated Broad-Area Semiconductor Amplifiers. *Optics Letters*, DEC 15, 2012, vol. 37, no. 24, pp. 5253-5255. ISSN 0146-9592.

HERRERO, R., et al. About the Oscillatory Possibilities of the Dynamical Systems. *Physica D-Nonlinear Phenomena*, AUG 15, 2012, vol. 241, no. 16, pp. 1358-1391. ISSN 0167-2789.

HERRERO, Ramon, et al. Anisotropic Subdiffractive Solitons. *Chaos Solitons & Fractals*, DEC, 2011, vol. 44, no. 12, pp. 1070-1074. ISSN 0960-0779.

HIJANO, E., et al. Optimal Pulse for Orbital Reconstruction from Ionization Maps in Aligned Molecules. *Journal of Modern Optics*, 2011, vol. 58, no. 13, pp. 1166-1172. ISSN 0950-0340.

HMOUDA, I., et al. Unsteady Natural Convection Cooling of a Water Storage Tank with an Internal Gas Flue. *International Journal of Thermal Sciences*, JAN, 2010, vol. 49, no. 1, pp. 36-47. ISSN 1290-0729.

HONG, Yanhua, et al. Thermal Effects and Dynamical Hysteresis in the Turn-on and Turn-Off of Vertical-Cavity Surface-Emitting Lasers. *Optics Letters*, NOV 1, 2010, vol. 35, no. 21, pp. 3688-3690. ISSN 0146-9592.

HORRILLO, Sergi; PEREZ-CABRE, Elisabet and MILLAN, Maria S. Information Compression for Remote Readable ID Tags. *Journal of Optics*, NOV, 2010, vol. 12, no. 11, pp. 115404. ISSN 2040-8978.

HOSSAIN, Kh M. Gaffar, et al. Effects of Alkyl Chain Lengths of Gallates upon Enzymatic Wool Functionalisation. *Journal of Molecular Catalysis B-Enzymatic*, DEC, 2010, vol. 67, no. 3-4, pp. 231-235. ISSN 1381-1177.



HOSSAIN, Kh M. Gaffar; JUAN, Ascension Rivaand TZANOV, Tzanko. Simultaneous Protease and Transglutaminase Treatment for Shrink Resistance of Wool. *Biocatalysis and Biotransformation*, 2008, vol. 26, no. 5, pp. 405-411. ISSN 1024-2422.

HOYO, Javier, et al. Electrochemical Behaviour of Mixed LB Films of Ubiquinone - DPPC. *Journal of Electroanalytical Chemistry*, MAR 15, 2012, vol. 669, pp. 6-13. ISSN 1572-6657.

HOYO, Javier; TORRENT-BURGUES, Juanand GUAUS, Ester. Biomimetic Monolayer Films of Monogalactosyldiacylglycerol Incorporating Ubiquinone. *Journal of Colloid and Interface Science*, OCT 15, 2012, vol. 384, pp. 189-197. ISSN 0021-9797.

HUTCHINSON, John M. Determination of the Glass Transition Temperature. *Journal of Thermal Analysis and Calorimetry*, DEC, 2009, vol. 98, no. 3, pp. 579-589. ISSN 1388-6150.

HUTCHINSON, John M., et al. Isothermal and Non-Isothermal Cure of a Tri-Functional Epoxy Resin (TGAP): A Stochastic TMDSC Study. *Thermochimica Acta*, FEB 10, 2012, vol. 529, pp. 14-21. ISSN 0040-6031.

IESAN, D.; and QUINTANILLA, R. Two-Dimensional Heat Conduction in Thermodynamics of Continua with Microtemperature Distributions. *International Journal of Thermal Sciences*, MAY, 2012, vol. 55, pp. 48-59. ISSN 1290-0729.

IGLESIAS, Javier; and VILLA, Alessandro E. P. Recurrent Spatiotemporal Firing Patterns in Large Spiking Neural Networks with Ontogenetic and Epigenetic Processes. *Journal of Physiology-Paris*, MAY-SEP, 2010, vol. 104, no. 3-4, pp. 137-146. ISSN 0928-4257.

IGNACIO DEZA, J.; DEZA, Roberto R.and WIO, Horacio S. Wide-Spectrum Energy Harvesting Out of Colored Levy-Like Fluctuations, by Monostable Piezoelectric Transducers. *Epl*, NOV, 2012, vol. 100, no. 3, pp. 38001. ISSN 0295-5075.

IGNACIO PALACIOS, J.; ROMEU, Jordiand BALASTEGUI, Andreu. Two Step Optimization of Transducer Locations in Single Input Single Output Tonal Global Active Noise Control in Enclosures. *Journal of Vibration and Acoustics-Transactions of the Asme*, DEC, 2010, vol. 132, no. 6, pp. 061011. ISSN 1048-9002.

IGNACIO VELASCO, Jose, et al. Characterization of Rigid Polypropylene-Based Microcellular Foams Produced by Batch Foaming Processes. *Polymer Engineering and Science*, NOV, 2011, vol. 51, no. 11, pp. 2120-2128. ISSN 0032-3888.

ILIEW, R., et al. Nonlinear all-Photonic-Crystal Fabry-Perot Resonator with Angle-Independent Bistability. *Optics Letters*, DEC 1, 2010, vol. 35, no. 23, pp. 3907-3909. ISSN 0146-9592.



ILIEW, R., et al. Subdiffractive all-Photonic Crystal Fabry-Perot Resonators. *Optics Letters*, NOV 15, 2008, vol. 33, no. 22, pp. 2695-2697. ISSN 0146-9592.

ILLESCAS, S., et al. The Role of Polyhedral Oligomeric Silsesquioxane on the Thermo-Mechanical Properties of Polyoxymethylene Copolymer Based Nanocomposites. *Journal of Nanoscience and Nanotechnology*, FEB, 2010, vol. 10, no. 2, pp. 1349-1360. ISSN 1533-4880.

ILLESCAS, S., et al. Study of the Mechanical Properties of Low Carbon Content HSLA Steels. *Revista De Metalurgia*, NOV-DEC, 2009, vol. 45, no. 6, pp. 424-431. ISSN 0034-8570.

ILLESCAS, Silvia, et al. The Morphology and Properties of Melt-Mixed polyoxymethylene/monosilanolisobutyl-POSS Composites. *High Performance Polymers*, SEP, 2011, vol. 23, no. 6, pp. 457-467. ISSN 0954-0083.

IMDAD, M.; ALI, J. and HASAN, M. Common Fixed Point Theorems in Modified Intuitionistic Fuzzy Metric Spaces. *Iranian Journal of Fuzzy Systems*, DEC, 2012, vol. 9, no. 5, pp. 77-92. ISSN 1735-0654.

IMDAD, M.; ALI, Javid and HASAN, M. Common Fixed Point Theorems in Fuzzy Metric Spaces Employing Common Property (E.A.). *Mathematical and Computer Modelling*, FEB, 2012, vol. 55, no. 3-4, pp. 770-778. ISSN 0895-7177.

INGIMUNDARSON, Ari, et al. Robust Fault Detection using Zonotope-Based Set-Membership Consistency Test. *International Journal of Adaptive Control and Signal Processing*, APR, 2009, vol. 23, no. 4, pp. 311-330. ISSN 0890-6327.

INGIMUNDARSON, Ari; STEFANOPOULOU, Anna G. and MCKAY, Denise A. Model-Based Detection of Hydrogen Leaks in a Fuel Cell Stack. *IEEE Transactions on Control Systems Technology*, SEP, 2008, vol. 16, no. 5, pp. 1004-1012. ISSN 1063-6536.

INGRAM, Malcolm D., et al. Unified Approach to Ion Transport and Structural Relaxation in Amorphous Polymers and Glasses. *Journal of Physical Chemistry B*, JAN 24, 2008, vol. 112, no. 3, pp. 859-866. ISSN 1520-6106.

INNA, Pertsovskaya, et al. Modeling Type I IFN Pathway in Macrophages: Implications for Immunotherapy. *Journal of Neuroimmunology*, NOV 15, 2010, vol. 228, no. 1-2, pp. 115-115. ISSN 0165-5728.



JARAMILLO, J. E., et al. Analysis of the Dynamic Behavior of Refrigerated Spaces using Air Curtains. *Numerical Heat Transfer Part A-Applications*, 2009, vol. 55, no. 6, pp. 553-573. ISSN 1040-7782.

JARAMILLO, J. E., et al. Numerical Study of Plane and Round Impinging Jets using RANS Models. *Numerical Heat Transfer Part B-Fundamentals*, 2008, vol. 54, no. 3, pp. 213-237. ISSN 1040-7790.

JARAMILLO, J. E., et al. Modelling Refrigerating Compartment of Frost-Free Domestic Refrigerators. *Global Nest Journal*, JUN, 2012, vol. 14, no. 2, pp. 244-251. ISSN 1790-7632.

JARAMILLO, J. E., et al. DNS and RANS Modelling of a Turbulent Plane Impinging Jet. *International Journal of Heat and Mass Transfer*, JAN 31, 2012, vol. 55, no. 4, pp. 789-801. ISSN 0017-9310.

JARAMILLO, Julian E., et al. Detailed Analysis of Turbulent Flows in Air Curtains. *Progress in Computational Fluid Dynamics*, 2011, vol. 11, no. 6, pp. 350-362. ISSN 1468-4349.

JIMENEZ, S., et al. Estimation of Night Traffic Noise Levels. *Acta Acustica United with Acustica*, JUL-AUG, 2008, vol. 94, no. 4, pp. 563-567. ISSN 1610-1928.

JUAREZ, Adrian A., et al. Room-Temperature Spectral Hole Burning in an Engineered Inhomogeneously Broadened Resonance. *Optics Letters*, OCT 15, 2008, vol. 33, no. 20, pp. 2374-2376. ISSN 0146-9592.

JULIO, Gemma, et al. Indicators of Progressive Corneal Exposure to Dry Eye Conditions. *Optometry and Vision Science*, JUL, 2012, vol. 89, no. 7, pp. 1042-1049. ISSN 1040-5488.

JULIO, Gemma, et al. Item by Item Analysis Strategy of the Relationship between Symptoms and Signs in Early Dry Eye. *Current Eye Research*, MAY, 2012, vol. 37, no. 5, pp. 357-364. ISSN 0271-3683.

JULIO, Gemma, et al. Tear Osmolarity and Ocular Changes in Pterygium. *Cornea*, DEC, 2012, vol. 31, no. 12, pp. 1417-1421. ISSN 0277-3740.

JULIO, Gemma, et al. Effects of Tear Hyperosmolarity on Conjunctival Cells in Mild to Moderate Dry Eye. *Ophthalmic and Physiological Optics*, JUL, 2012, vol. 32, no. 4, pp. 317-323. ISSN 0275-5408.



JULIO, Gemma, et al. Image Processing Techniques in a Preliminary Morphometric Characterization of Corneal Epithelium by Scanning Electron Microscopy. *Microscopy Research and Technique*, OCT, 2010, vol. 73, no. 11, pp. 1059-1066. ISSN 1059-910X.

JULIO, Gemma, et al. Image Processing Techniques to Quantify Microprojections on Outer Corneal Epithelial Cells. *Journal of Anatomy*, JUN, 2008, vol. 212, no. 6, pp. 879-886. ISSN 0021-8782.

KALINOWSKI, K., et al. Parametric Wave Interaction in One-Dimensional Nonlinear Photonic Crystal with Randomized Distribution of Second-Order Nonlinearity. *Applied Physics B-Lasers and Optics*, DEC, 2012, vol. 109, no. 4, pp. 557-566. ISSN 0946-2171.

KALINOWSKI, Ksawery, et al. Wavelength and Position Tuning of Cerenkov Second-Harmonic Generation in Optical Superlattice. *Applied Physics Letters*, OCT 31, 2011, vol. 99, no. 18, pp. 181128. ISSN 0003-6951.

KALMAR, Tibor, et al. Regulated Fluctuations in Nanog Expression Mediate Cell Fate Decisions in Embryonic Stem Cells. *Plos Biology*, JUL, 2009, vol. 7, no. 7, pp. e1000149. ISSN 1544-9173.

KIZILDAG, D.; RODRIGUEZ, I. and CASTRO, J. On the Validity of the Oberbeck-Boussinesq Approximation in a Tall Differentially Heated Cavity with Water. *Progress in Computational Fluid Dynamics*, 2012, vol. 12, no. 4, pp. 251-259. ISSN 1468-4349.

KOLPAKOV, S., et al. Experimental Demonstration of Bistable Phase Locking in a Photorefractive Oscillator. *Physical Review a*, FEB 27, 2012, vol. 85, no. 2, pp. 025805. ISSN 1050-2947.

KOLPAKOV, Stanis, et al. Experimental Demonstration of Hyperbolic Patterns. *Physical Review Letters*, DEC 19, 2008, vol. 101, no. 25, pp. 254101. ISSN 0031-9007.

KOMOLOV, Konstantin E., et al. On-Chip Photoactivation of Heterologously Expressed Rhodopsin Allows Kinetic Analysis of G-Protein Signaling by Surface Plasmon Resonance Spectroscopy. *Analytical and Bioanalytical Chemistry*, AUG, 2010, vol. 397, no. 7, pp. 2967-2976. ISSN 1618-2642.

KOSESKA, A., et al. Cooperative Differentiation through Clustering in Multicellular Populations. *Journal of Theoretical Biology*, MAR 21, 2010, vol. 263, no. 2, pp. 189-202. ISSN 0022-5193.

KOSESKA, Aneta, et al. Timing Cellular Decision Making Under Noise Via Cell-Cell Communication. *Plos One*, MAR 13, 2009, vol. 4, no. 3, pp. e4872. ISSN 1932-6203.



KOSMAOGLU, Maria, et al. A Dual Role for EDEM1 in the Processing of Rod Opsin. *Journal of Cell Science*, DEC 15, 2009, vol. 122, no. 24, pp. 4465-4472. ISSN 0021-9533.

KOURO, Samir, et al. Recent Advances and Industrial Applications of Multilevel Converters. *IEEE Transactions on Industrial Electronics*, AUG, 2010, vol. 57, no. 8, pp. 2553-2580. ISSN 0278-0046.

KUCHINA, Anna, et al. Temporal Competition between Differentiation Programs Determines Cell Fate Choice. *Molecular Systems Biology*, DEC, 2011, vol. 7, pp. 557. ISSN 1744-4292.

KUCHINA, Anna, et al. Reversible and Noisy Progression Towards a Commitment Point Enables Adaptable and Reliable Cellular Decision-Making. *Plos Computational Biology*, NOV, 2011, vol. 7, no. 11, pp. e1002273. ISSN 1553-734X.

KUMAR, N., et al. High-Directional Wave Propagation in Periodic Loss Modulated Materials. *Photonics and Nanostructures-Fundamentals and Applications*, OCT, 2012, vol. 10, no. 4, pp. 644-650. ISSN 1569-4410.

KUMAR, S.; BERGADA, J. M. and WATTON, J. Axial Piston Pump Grooved Slipper Analysis by CFD Simulation of Three-Dimensional NVS Equation in Cylindrical Coordinates. *Computers & Fluids*, MAR, 2009, vol. 38, no. 3, pp. 648-663. ISSN 0045-7930.

KUSTER, Marina, et al. Analysis of 17 Polar to Semi-Polar Pesticides in the Ebro River Delta during the Main Growing Season of Rice by Automated on-Line Solid-Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry. *Talanta*, APR 15, 2008, vol. 75, no. 2, pp. 390-401. ISSN 0039-9140.

LABAY, C.; CANAL, C. and GARCIA-CELMA, M. J. Influence of Corona Plasma Treatment on Polypropylene and Polyamide 6.6 on the Release of a Model Drug. *Plasma Chemistry and Plasma Processing*, DEC, 2010, vol. 30, no. 6, pp. 885-896. ISSN 0272-4324.

LABAY, Cedric; MA CANAL, Jose and CANAL, Cristina. Relevance of Surface Modification of Polyamide 6.6 Fibers by Air Plasma Treatment on the Release of Caffeine. *Plasma Processes and Polymers*, FEB, 2012, vol. 9, no. 2, pp. 165-173. ISSN 1612-8850.

LAMICH, Manuel, et al. Minimization of Leading Current in a Three Phase Four Wires Shunt Hybrid Filter. *Przegląd Elektrotechniczny*, 2009, vol. 85, no. 10, pp. 290-294. ISSN 0033-2097.



LEHMKUHL, O., et al. Assessment of the Symmetry-Preserving Regularization Model on Complex Flows using Unstructured Grids. *Computers & Fluids*, MAY 15, 2012, vol. 60, pp. 108-116. ISSN 0045-7930.

LESEDUARTE, M. C.; and QUINTANILLA, R. On Uniqueness and Continuous Dependence in Type III Thermoelasticity. *Journal of Mathematical Analysis and Applications*, NOV 1, 2012, vol. 395, no. 1, pp. 429-436. ISSN 0022-247X.

LESEDUARTE, M. C.; and QUINTANILLA, R. Saint-Venant Decay Rates for an Anisotropic and Non-Homogeneous Mixture of Elastic Solids in Anti-Plane Shear. *International Journal of Solids and Structures*, MAR 15, 2008, vol. 45, no. 6, pp. 1697-1712. ISSN 0020-7683.

LEZANA, Pablo, et al. Survey on Fault Operation on Multilevel Inverters. *IEEE Transactions on Industrial Electronics*, JUL, 2010, vol. 57, no. 7, pp. 2207-2218. ISSN 0278-0046.

LI, B., et al. Study of the Impact of Hot Carrier Injection to Immunity of MOSFET to Electromagnetic Interferences. *Microelectronics Reliability*, SEP-NOV, 2011, vol. 51, no. 9-11, pp. 1557-1560. ISSN 0026-2714.

LI, Weihai, et al. Switching between Oscillations and Homeostasis in Competing Negative and Positive Feedback Motifs. *Journal of Theoretical Biology*, AUG 21, 2012, vol. 307, pp. 205-210. ISSN 0022-5193.

LIMA, Francisco K. A., et al. Rotor Voltage Dynamics in the Doubly Fed Induction Generator during Grid Faults. *Ieee Transactions on Power Electronics*, JAN, 2010, vol. 25, no. 1, pp. 118-130. ISSN 0885-8993.

LIPINSKA, M.; and HUTCHINSON, J. M. Elastomeric Epoxy Nanocomposites: Nanostructure and Properties. *Composites Science and Technology*, MAR 8, 2012, vol. 72, no. 5, pp. 640-646. ISSN 0266-3538.

LIU, Zhuangyi; and QUINTANILLA, Ramon. Analyticity of Solutions in Type III Thermoelastic Plates. *Ima Journal of Applied Mathematics*, JUN, 2010, vol. 75, no. 3, pp. 356-365. ISSN 0272-4960.

LIU, Zhuangyi; and QUINTANILLA, Ramon. Analyticity of Solutions in Type III Thermoelastic Plates [Republished Article]. *Ima Journal of Applied Mathematics*, AUG, 2010, vol. 75, no. 4, pp. 637-646. ISSN 0272-4960.



LIU, Zhuangyi; and QUINTANILLA, Ramon. Energy Decay Rate of a Mixed Type I and Type II Thermoelastic System. *Discrete and Continuous Dynamical Systems-Series B*, NOV, 2010, vol. 14, no. 4, pp. 1433-1444. ISSN 1531-3492.

LLONGUERAS, M. Dolors; and MAGANA, Antonio. Alliances, Partnerships and the Banzhaf Semivalue. *Annals of Operations Research*, FEB, 2008, vol. 158, no. 1, pp. 63-79. ISSN 0254-5330.

LLUCH, S.; VENTURA, J. and LOPEZ-FUSTER, M. J. Eye Morphology in some Wild Rodents. *Anatomia Histologia Embryologia*, FEB, 2008, vol. 37, no. 1, pp. 41-51. ISSN 0340-2096.

LLUCH, Sara; JOSE LOPEZ-FUSTER, Maria and VENTURA, Jacint. Cornea, Retina, and Lens Morphology in Five Soricidae Species (Soricomorpha: Mammalia). *Anatomical Science International*, DEC, 2009, vol. 84, no. 4, pp. 312-322. ISSN 1447-6959.

LOIKO, Yu, et al. Doppler-Free Adiabatic Self-Induced Transparency. *Physical Review A*, MAY, 2009, vol. 79, no. 5, pp. 053809. ISSN 1050-2947.

LOIKO, Yurii, et al. Formation of X-Pulses in Periodically Gain/Loss Modulated Materials. *Optics Express*, MAY 7, 2012, vol. 20, no. 10, pp. 11271-11276. ISSN 1094-4087.

LONGHI, S.; and STALIUNAS, K. Self-Collimation and Self-Imaging Effects in Modulated Waveguide Arrays. *Optics Communications*, SEP 1, 2008, vol. 281, no. 17, pp. 4343-4347. ISSN 0030-4018.

LOPEZ, Josefina; CELLIER, Francois E. and CEMBRANO, Gabriela. Estimating the Horizon of Predictability in Time-Series Predictions using Inductive Modelling Tools. *International Journal of General Systems*, 2011, vol. 40, no. 3, pp. 263-282. ISSN 0308-1079.

LOPEZ-GRIMAU, V.; AMANTE GARCIA, B. and GUTIERREZ, M. C. Viability Study on the Reuse of Textile Dye Baths. *Afinidad*, MAY-JUN, 2010, vol. 67, no. 547, pp. 182-186. ISSN 0001-9704.

LOPEZ-GRIMAU, Victor, et al. Reuse of the Water and Salt of Reactive Dyeing Effluent After Electrochemical Decolorisation. *Coloration Technology*, FEB, 2012, vol. 128, no. 1, pp. 36-43. ISSN 1472-3581.

LOPEZ-MESAS, Montserrat, et al. Bioseparation of Pb(II) and Cd(II) from Aqueous Solution using Cork Waste Biomass. Modeling and Optimization of the Parameters of the Biosorption Step. *Chemical Engineering Journal*, OCT 15, 2011, vol. 174, no. 1, pp. 9-17. ISSN 1385-8947.



LOPEZ-ROLDAN, Ramon, et al. Evaluation of an Automated Luminescent Bacteria Assay for in Situ Aquatic Toxicity Determination. *Science of the Total Environment*, DEC 1, 2012, vol. 440, pp. 307-313. ISSN 0048-9697.

LORENA, Salazar; MARTI, Crespiand ROBERTO, Salazar. Comparative Study between Activated Sludge Versus Membrane Bioreactor for Textile Wastewater. *Desalination and Water Treatment*, NOV, 2011, vol. 35, no. 1-3, pp. 101-109. ISSN 1944-3994.

LU, Gaopeng, et al. Lightning Development Associated with Two Negative Gigantic Jets. *Geophysical Research Letters*, JUN 21, 2011, vol. 38, pp. L12801. ISSN 0094-8276.

LUIS DOMINGUEZ-JUAREZ, Jorge, et al. Molecular $\text{Chi}(2)$ Gratings Via Electron-Beam Lithography. *Applied Physics Letters*, JUL 12, 2010, vol. 97, no. 2, pp. 023307. ISSN 0003-6951.

LUNA, Alvaro, et al. Simplified Modeling of a DFIG for Transient Studies in Wind Power Applications. *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 9-20. ISSN 0278-0046.

MACANAS, Jorge, et al. Hydrogen Generation by Aluminum Corrosion in Aqueous Alkaline Solutions of Inorganic Promoters: The AlHidrox Process. *Energy*, MAY, 2011, vol. 36, no. 5, pp. 2493-2501. ISSN 0360-5442.

MACOVEZ, Roberto, et al. Measurement of the Dispersion of Air and of Refractive Index Anomalies by Wavelength-Dependent Nonlinear Interferometry. *Optics Express*, AUG 3, 2009, vol. 17, no. 16, pp. 13881-13888. ISSN 1094-4087.

MAGANA, A.; and QUINTANILLA, R. Uniqueness and Growth of Solutions in Two-Temperature Generalized Thermoelastic Theories. *Mathematics and Mechanics of Solids*, SEP, 2009, vol. 14, no. 7, pp. 622-634. ISSN 1081-2865.

MAGANA, Antonio; and QUINTANILLA, Ramon. On the Spatial Behavior of Solutions for Non-Linear Type II Heat Conduction. *International Journal of Non-Linear Mechanics*, NOV, 2011, vol. 46, no. 9, pp. 1252-1257. ISSN 0020-7462.

MAIGYTE, L., et al. Signatures of Light-Beam Spatial Filtering in a Three-Dimensional Photonic Crystal. *Physical Review a*, OCT 13, 2010, vol. 82, no. 4, pp. 043819. ISSN 1050-2947.

MAILLO, J., et al. The Relationship between Dyeing Behavior and Fine Structure in Polyamide 6 Fibers - the Influence of Drawing Ratio. *Aatcc Review*, MAR, 2008, vol. 8, no. 3, pp. 39-43. ISSN 1532-8813.



MANICH, A. M., et al. Differential Scanning Calorimetry and Elasticity of Textured, Heat Set and Mechanical Strained Polylactide Multifilaments. *Fibres & Textiles in Eastern Europe*, NOV-DEC, 2011, vol. 19, no. 6, pp. 22-27. ISSN 1230-3666.

MANICH, A. M., et al. Thermal Transitions of Polylactide False-Twist Textured Multifilaments Determined by DSC and TMA. *Journal of Thermal Analysis and Calorimetry*, MAR, 2010, vol. 99, no. 3, pp. 723-731. ISSN 1388-6150.

MANICH, A. M., et al. Effect of the Air-Jet and the False-Twist Texturing Processes on the Thermomechanical Behaviour of Polyamide 6.6 Yarns. *Journal of Thermal Analysis and Calorimetry*, SEP, 2008, vol. 93, no. 3, pp. 921-926. ISSN 1388-6150.

MANOSA, Victor. A Note on Globally Periodic Maps and Integrability. *Journal of Difference Equations and Applications*, 2008, vol. 14, no. 6, pp. 667-670. ISSN 1023-6198.

MARCH, Vctor; and MONTANYA, Joan. X-Rays from Laboratory Sparks in Air: The Role of the Cathode in the Production of Runaway Electrons. *Geophysical Research Letters*, FEB 18, 2011, vol. 38, pp. L04803. ISSN 0094-8276.

MARCH, Victor, et al. Features of Electrical Discharges in Air Triggered by Laser. *Journal of Electrostatics*, MAY, 2009, vol. 67, no. 2-3, pp. 301-306. ISSN 0304-3886.

MARCH, Victor; and MONTANYA, Joan. Influence of the Voltage-Time Derivative in X-Ray Emission from Laboratory Sparks. *Geophysical Research Letters*, OCT 1, 2010, vol. 37, pp. L19801. ISSN 0094-8276.

MARINA AGUDELO, Ruth, et al. Simultaneous Removal of Chlorpyrifos and Dissolved Organic Carbon using Horizontal Sub-Surface Flow Pilot Wetlands. *Ecological Engineering*, OCT, 2010, vol. 36, no. 10, pp. 1401-1408. ISSN 0925-8574.

MARRUGO, Andres G., et al. Anisotropy-Based Robust Focus Measure for Non-Mydriatic Retinal Imaging. *Journal of Biomedical Optics*, JUL, 2012, vol. 17, no. 7, pp. 076021. ISSN 1083-3668.

MARRUGO, Andres G., et al. Retinal Image Restoration by Means of Blind Deconvolution. *Journal of Biomedical Optics*, NOV, 2011, vol. 16, no. 11, pp. 116016. ISSN 1083-3668.

MARTI, Arturo C.; PONCE, Marceloand MASOLLER, Cristina. Dynamics of Delayed-Coupled Chaotic Logistic Maps: Influence of Network Topology, Connectivity and Delay Times. *Pramana-Journal of Physics*, JUN, 2008, vol. 70, no. 6, pp. 1117-1125. ISSN 0304-4289.



MARTI, Meritzell, et al. Monitoring of the microcapsule/liposome Application on Textile Fabrics. *Journal of the Textile Institute*, 2012, vol. 103, no. 1, pp. 19-27. ISSN 0040-5000.

MARTIN PEREZ, Leonardo, et al. Quantification of Helicobacter Pylori Levels in Soil Samples from Public Playgrounds in Spain. *Journal of Zhejiang University-Science B*, JAN, 2010, vol. 11, no. 1, pp. 27-29. ISSN 1673-1581.

MARTIN PEREZ, Leonardo, et al. Prevalence Study of Simkania Negevensis in Cooling Towers in Spain. *Journal of Water and Health*, 2011, vol. 9, no. 2, pp. 312-316. ISSN 1477-8920.

MARTIN PEREZ, Leonardo, et al. Searching Simkania Negevensis in Environmental Waters. *Folia Microbiologica*, JAN, 2012, vol. 57, no. 1, pp. 11-14. ISSN 0015-5632.

MARTINEZ, A. B., et al. Fracture Behaviour of Thermosetting Polymers for Ophthalmic Lenses. *Engineering Failure Analysis*, JAN, 2010, vol. 17, no. 1, pp. 4-10. ISSN 1350-6307.

MARTINEZ, A. B., et al. Influence of Femtolaser Notch Sharpening Technique in the Determination of Essential Work of Fracture (EWF) Parameters. *Engineering Fracture Mechanics*, JUN, 2009, vol. 76, no. 9, pp. 1247-1254. ISSN 0013-7944.

MARTINEZ, A. B., et al. Essential Work of Fracture Analysis of the Tearing of a Ductile Polymer Film. *Engineering Fracture Mechanics*, SEP, 2010, vol. 77, no. 14, pp. 2654-2661. ISSN 0013-7944.

MARTINEZ, A. B.; XIANG, G. and ARENCON, D. Flexed-Plate Low Energy Impact of an Epoxy-Carbon Fibre Laminate. *Polymers & Polymer Composites*, 2012, vol. 20, no. 7, pp. 581-587. ISSN 0967-3911.

MARTINEZ, A. B., et al. Low Energy Impact Indentation of an Epoxy-Carbon Fiber Laminate. *Polymers & Polymer Composites*, 2011, vol. 19, no. 7, pp. 553-557. ISSN 0967-3911.

MARTINEZ, Antonio B., et al. Microcellular Foaming of Layered Double Hydroxide-Polymer Nanocomposites. *Industrial & Engineering Chemistry Research*, MAY 4, 2011, vol. 50, no. 9, pp. 5239-5247. ISSN 0888-5885.

MARTINEZ, Jorge, et al. Design and Coordination of a Capacitor and on-Load Tap Changer System for Voltage Control in a Wind Power Plant of Doubly Fed Induction Generator Wind Turbines. *Wind Energy*, MAY, 2012, vol. 15, no. 4, pp. 507-523. ISSN 1095-4244.



MARTINEZ, Oscar, et al. Use of Light-Emitting Diodes in Multispectral Systems Design: Variability of Spectral Power Distribution According to Angle and Time of Usage. *Journal of Imaging Science and Technology*, SEP-OCT, 2011, vol. 55, no. 5, pp. 050501. ISSN 1062-3701.

MARTINEZ-ARCHUNDIA, Marlet, et al. Molecular Modeling of the M3 Acetylcholine Muscarinic Receptor and its Binding Site. *Journal of Biomedicine and Biotechnology*, 2012, pp. 789741. ISSN 1110-7243.

MARTINEZ-PASAMAR, Sara, et al. A Dynamics Analysis of Antigen Specific T Cells during Brain Autoimmunity Supports the Role of Regulatory T Cells in Disease Outcome. *Journal of Neuroimmunology*, DEC 15, 2012, vol. 253, no. 1-2, pp. 166-167. ISSN 0165-5728.

MARTINEZ-RODA, Joan A., et al. Optical Quality and Intraocular Scattering in a Healthy Young Population. *Clinical and Experimental Optometry*, MAR, 2011, vol. 94, no. 2, pp. 223-229. ISSN 0816-4622.

MASOLLER, C.; and ATAY, F. M. Complex Transitions to Synchronization in Delay-Coupled Networks of Logistic Maps. *European Physical Journal D*, MAR, 2011, vol. 62, no. 1, pp. 119-126. ISSN 1434-6060.

MASOLLER, C.; and BRENER, I. Introduction to the Topical Issue on Laser Dynamics and Nonlinear Photonics. *European Physical Journal D*, JUN, 2010, vol. 58, no. 2, pp. 153-159. ISSN 1434-6060.

MASOLLER, C.; and ORIA, M. Frequency Dynamics of Semiconductor Lasers with Atomic Absorbers: Theory and Experiments. *European Physical Journal D*, JUN, 2010, vol. 58, no. 2, pp. 191-196. ISSN 1434-6060.

MASOLLER, C.; ORIA, M. and VILASECA, R. Modeling a Semiconductor Laser with an Intracavity Atomic Absorber. *Physical Review a*, JUL, 2009, vol. 80, no. 1, pp. 013830. ISSN 1050-2947.

MASOLLER, C., et al. Bifurcation to Square-Wave Switching in Orthogonally Delay-Coupled Semiconductor Lasers: Theory and Experiment. *Physical Review a*, AUG 22, 2011, vol. 84, no. 2, pp. 023838. ISSN 1050-2947.

MASOLLER, C.; and TORRE, M. S. Modeling Thermal Effects and Polarization Competition in Vertical-Cavity Surface-Emitting Lasers. *Optics Express*, DEC 22, 2008, vol. 16, no. 26, pp. 21282-21296. ISSN 1094-4087.



MASOLLER, Cristina; and ROSSO, Osvaldo A. Quantifying the Complexity of the Delayed Logistic Map. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, JAN 28, 2011, vol. 369, no. 1935, pp. 425-438. ISSN 1364-503X.

MASOLLER, Cristina; TORRENT, M. C. and GARCIA-OJALVO, Jordi. Dynamics of Globally Delay-Coupled Neurons Displaying Subthreshold Oscillations. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, AUG 28, 2009, vol. 367, no. 1901, pp. 3255-3266. ISSN 1364-503X.

MASOLLER, Cristina; TORRENT, M. C. and GARCIA-OJALVO, Jordi. Interplay of Subthreshold Activity, Time-Delayed Feedback, and Noise on Neuronal Firing Patterns. *Physical Review E*, OCT, 2008, vol. 78, no. 4, pp. 041907. ISSN 1539-3755.

MASPOCH, Maria L., et al. Fracture Behaviour of Poly[Ethylene-(Vinyl Alcohol)]/organo-Clay Composites. *Polymer International*, JUN, 2009, vol. 58, no. 6, pp. 648-655. ISSN 0959-8103.

MATOBA, Osamu, et al. Optical Techniques for Information Security. *Proceedings of the IEEE*, JUN, 2009, vol. 97, no. 6, pp. 1128-1148. ISSN 0018-9219.

MESEGUER, Jordi; PUIG, Vicenc and ESCOBET, Teresa. Fault Diagnosis using a Timed Discrete-Event Approach Based on Interval Observers: Application to Sewer Networks. *IEEE Transactions on Systems Man and Cybernetics Part A-Systems and Humans*, SEP, 2010, vol. 40, no. 5, pp. 900-916. ISSN 1083-4427.

MESEGUER, Jordi, et al. Observer Gain Effect in Linear Interval Observer-Based Fault Detection. *Journal of Process Control*, SEP, 2010, vol. 20, no. 8, pp. 944-956. ISSN 0959-1524.

MICHALIK, P.; FERNANDEZ, D. and MADRENAS, J. Result-Consistent Counter Sampling Scheme for Coarse-Fine TDCs. *Electronics Letters*, SEP 13, 2012, vol. 48, no. 19, pp. 1195-U43. ISSN 0013-5194.

MILLAN, Maria S. Advanced Optical Correlation and Digital Methods for Pattern Matching-50th Anniversary of Vander Lugt Matched Filter. *Journal of Optics*, OCT, 2012, vol. 14, no. 10, pp. 103001. ISSN 2040-8978.

MILLIMAN, Henry W., et al. Structure-Property Evaluation of Trisilanolphenyl POSS (R)/polysulfone Composites as a Guide to POSS Melt Blending. *Journal of Applied Polymer Science*, AUG 15, 2012, vol. 125, no. 4, pp. 2914-2919. ISSN 0021-8995.

MILO, Aitor, et al. Optimal Economic Exploitation of Hydrogen Based Grid-Friendly Zero Energy Buildings. *Renewable Energy*, JAN, 2011, vol. 36, no. 1, pp. 197-205. ISSN 0960-1481.



MIRANVILLE, Alain; and QUINTANILLA, Ramon. On a Phase-Field System Based on the Cattaneo Law. *Nonlinear Analysis-Theory Methods & Applications*, MAR, 2012, vol. 75, no. 4, pp. 2552-2565. ISSN 0362-546X.

MIRANVILLE, Alain; and QUINTANILLA, Ramon. A Phase-Field Model Based on a Three-Phase-Lag Heat Conduction. *Applied Mathematics and Optimization*, FEB, 2011, vol. 63, no. 1, pp. 133-150. ISSN 0095-4616.

MIRANVILLE, Alain; and QUINTANILLA, Ramon. A Type III Phase-Field System with a Logarithmic Potential. *Applied Mathematics Letters*, JUN, 2011, vol. 24, no. 6, pp. 1003-1008. ISSN 0893-9659.

MIRANVILLE, Alain; and QUINTANILLA, Ramon. A Caginalp Phase-Field System with a Nonlinear Coupling. *Nonlinear Analysis-Real World Applications*, AUG, 2010, vol. 11, no. 4, pp. 2849-2861. ISSN 1468-1218.

MIRANVILLE, Alain; and QUINTANILLA, Ramon. A Generalization of the Caginalp Phase-Field System Based on the Cattaneo Law. *Nonlinear Analysis-Theory Methods & Applications*, SEP 1, 2009, vol. 71, no. 5-6, pp. 2278-2290. ISSN 0362-546X.

MIRANVILLE, Alain; and QUINTANILLA, Ramon. Some Generalizations of the Caginalp Phase-Field System. *Applicable Analysis*, 2009, vol. 88, no. 6, pp. 877-894. ISSN 0003-6811.

MIRO, Rodrigo, et al. Evaluation of High Modulus Mixture Behaviour with High Reclaimed Asphalt Pavement (RAP) Percentages for Sustainable Road Construction. *Construction and Building Materials*, OCT, 2011, vol. 25, no. 10, pp. 3854-3862. ISSN 0950-0618.

MOLDES, D.; CADENA, E. M. and VIDAL, T. Biobleaching of Eucalypt Kraft Pulp with a Two Laccase-Mediator Stages Sequence. *Bioresource Technology*, SEP, 2010, vol. 101, no. 18, pp. 6924-6929. ISSN 0960-8524.

MOLDES, D., et al. Comparative Study of the Efficiency of Synthetic and Natural Mediators in Laccase-Assisted Bleaching of Eucalyptus Kraft Pulp. *Bioresource Technology*, NOV, 2008, vol. 99, no. 17, pp. 7959-7965. ISSN 0960-8524.

MOLDES, D.; and VIDAL, T. Laccase for Biobleaching of Eucalypt Kraft Pulp by Means of a Modified Industrial Bleaching Sequence. *Biotechnology Progress*, SEP-OCT, 2012, vol. 28, no. 5, pp. 1225-1231. ISSN 8756-7938.



MOLDES, D.; and VIDAL, T. New Possibilities of Kraft Pulp Biobleaching with Laccase and Sulfonated Mediators. *Process Biochemistry*, MAR, 2011, vol. 46, no. 3, pp. 656-660. ISSN 1359-5113.

MOLDES, D.; and VIDAL, T. Reutilization of Effluents from Laccase-Mediator Treatments of Kraft Pulp for Biobleaching. *Bioresource Technology*, FEB, 2011, vol. 102, no. 3, pp. 3603-3606. ISSN 0960-8524.

MOLDES, D.; and VIDAL, T. Laccase-HBT Bleaching of Eucalyptus Kraft Pulp: Influence of the Operating Conditions. *Bioresource Technology*, DEC, 2008, vol. 99, no. 18, pp. 8565-8570. ISSN 0960-8524.

MOLDES, Diege, et al. Mediators-Boosted Enzymatic Bleaching of Eucalyptus Kraft Pulp. *Abstracts of Papers of the American Chemical Society*, MAR 22, 2009, vol. 237. ISSN 0065-7727.

MOLINA, Maritzabel, et al. Numerical-Experimental Study of the FRP-Epoxy-Concrete Interface for Reinforced Structures Under Double Shear. *Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria*, 2012, vol. 28, no. 2, pp. 65-79. ISSN 0213-1315.

MON, J., et al. EMI Reduction by Means of Switching Frequency Modulation with Variable Delay in Power Supplies. *International Journal of Electronics*, 2012, vol. 99, no. 1, pp. 103-112. ISSN 0020-7217.

MON, J., et al. Modulation Technique to Reduce EMI in Power Multiconverters. *Ieice Electronics Express*, APR 25, 2009, vol. 6, no. 8, pp. 511-515. ISSN 1349-2543.

MON, Juan, et al. EMI Reduction in Parallel Multiconverter Topology using Interleaving and Frequency Modulation Techniques. *Przeglad Elektrotechniczny*, 2009, vol. 85, no. 10, pp. 239-243. ISSN 0033-2097.

MONJE, P. G., et al. Biodegradability of Kraft Mill TCF Biobleaching Effluents: Application of Enzymatic Laccase-Mediator System. *Water Research*, APR, 2010, vol. 44, no. 7, pp. 2211-2220. ISSN 0043-1354.

MONTANYA, Joan, et al. Estimation of Charge Neutralized by Negative Cloud-to-Ground Flashes in Catalonia Thunderstorms. *Journal of Electrostatics*, MAY, 2009, vol. 67, no. 2-3, pp. 513-517. ISSN 0304-3886.

MONTANYA, Joan, et al. Study of the Total Lightning Activity in a Hailstorm. *Atmospheric Research*, FEB, 2009, vol. 91, no. 2-4, pp. 430-437. ISSN 0169-8095.



MONTSERRAT, S., et al. Analysis of the Cure of Epoxy Based Layered Silicate Nanocomposites: Reaction Kinetics and Nanostructure Development. *Journal of Applied Polymer Science*, APR 15, 2008, vol. 108, no. 2, pp. 923-938. ISSN 0021-8995.

MORALES-NARVAEZ, Eden, et al. Simple Forster Resonance Energy Transfer Evidence for the Ultrahigh Quantum Dot Quenching Efficiency by Graphene Oxide Compared to Other Carbon Structures. *Carbon*, JUL, 2012, vol. 50, no. 8, pp. 2987-2993. ISSN 0008-6223.

MORALES-RUIZ, S., et al. Numerical Analysis of Two-Phase Flow in Condensers and Evaporators with Special Emphasis on Single-phase/two-Phase Transition Zones. *Applied Thermal Engineering*, APR, 2009, vol. 29, no. 5-6, pp. 1032-1042. ISSN 1359-4311.

MORALES-RUIZ, S., et al. Numerical Resolution of the Liquid-Vapour Two-Phase Flow by Means of the Two-Fluid Model and a Pressure Based Method. *International Journal of Multiphase Flow*, JUL, 2012, vol. 43, pp. 118-130. ISSN 0301-9322.

MORATA, Marta; GIL, Ignacio and FERNANDEZ-GARCIA, Raul. Modeling Tunable Band-Pass Filters Based on RF-MEMS Metamaterials. *International Journal of Numerical Modelling-Electronic Networks Devices and Fields*, NOV-DEC, 2011, vol. 24, no. 6, pp. 583-589. ISSN 0894-3370.

MOTHE, Beatriz, et al. HIV-1 Infection in Subjects Older than 70: A Multicenter Cross-Sectional Assessment in Catalonia, Spain. *Current Hiv Research*, NOV, 2009, vol. 7, no. 6, pp. 597-600. ISSN 1570-162X.

MUJAL ROSAS, Ramon, et al. Behavior of the Three-Phase Induction Motor with Spiral Sheet Rotor. *IEEE Transactions on Energy Conversion*, MAR, 2009, vol. 24, no. 1, pp. 68-76. ISSN 0885-8969.

MUJAL-ROSAS, R., et al. Dielectric, Mechanical, and Thermal Characterization of High-Density Polyethylene Composites with Ground Tire Rubber. *Journal of Thermoplastic Composite Materials*, AUG, 2012, vol. 25, no. 5, pp. 537-559. ISSN 0892-7057.

MUJAL-ROSAS, R., et al. Dielectric and Mechanical Properties of High Density Polyethylene (HDPE) Reinforced with used Tires (GTR). *Afinidad*, JAN-FEB, 2010, vol. 67, no. 545, pp. 7-13. ISSN 0001-9704.

MUJAL-ROSAS, R., et al. Electrical Applications of Acrylonitrile Butadiene Styrene (ABS) Reinforced with used Tires (GTR). *Afinidad*, JAN-MAR, 2012, vol. 68, no. 557, pp. 7-17. ISSN 0001-9704.



MUJAL-ROSAS, R., et al. Study on Dielectric, Mechanical and Thermal Properties of Polypropylene (PP) Composites with Ground Tyre Rubber (GTR). *Polymers & Polymer Composites*, 2012, vol. 20, no. 9, pp. 797-807. ISSN 0967-3911.

MUJAL-ROSAS, R., et al. Dielectric Properties of various Polymers (PVC, EVA, HDPE and PP) Reinforced with used Tires (GTR). *Afinidad*, JUL-AUG, 2011, vol. 68, no. 554, pp. 263-273. ISSN 0001-9704.

MUJAL-ROSAS, R., et al. Study on Dielectric, Thermal, and Mechanical Properties of the Ethylene Vinyl Acetate Reinforced with Ground Tire Rubber. *Journal of Reinforced Plastics and Composites*, APR, 2011, vol. 30, no. 7, pp. 581-592. ISSN 0731-6844.

MUJAL-ROSAS, Ramon. Analysis of the Three-Phase Induction Motor with Spiral Sheet Rotor. *International Journal of Electrical Power & Energy Systems*, FEB, 2012, vol. 35, no. 1, pp. 1-9. ISSN 0142-0615.

MUJAL-ROSAS, Ramon, et al. Experimental Analysis of the Three-Phase Induction Motor with Spiral Sheet Rotor. *Electrical Engineering*, DEC, 2009, vol. 91, no. 4-5, pp. 251-261. ISSN 0948-7921.

MUJAL-ROSAS, Ramon; and ORRIT-PRAT, Jordi. General Analysis of the Three-Phase Asynchronous Motor with Spiral Sheet Rotor: Operation, Parameters, and Characteristic Values. *IEEE Transactions on Industrial Electronics*, MAY, 2011, vol. 58, no. 5, pp. 1799-1811. ISSN 0278-0046.

MUNOZ DESCALZO, Silvia, et al. Correlations between the Levels of Oct4 and Nanog as a Signature for Naive Pluripotency in Mouse Embryonic Stem Cells. *Stem Cells*, DEC, 2012, vol. 30, no. 12, pp. 2683-2691. ISSN 1066-5099.

MUNOZ-MORENO, Jose A., et al. Nadir CD4 Cell Count Predicts Neurocognitive Impairment in HIV-Infected Patients. *AIDS Research and Human Retroviruses*, OCT, 2008, vol. 24, no. 10, pp. 1301-1307. ISSN 0889-2229.

MUNOZ-MORENO, Jose A., et al. Interruptions of Antiretroviral Therapy in Human Immunodeficiency Virus Infection: Are they Detrimental to Neurocognitive Functioning?. *Journal of Neurovirology*, JUN, 2010, vol. 16, no. 3, pp. 208-218. ISSN 1355-0284.

MUNOZ-MORENO, Jose A., et al. Prevalence of HIV-Related Neurocognitive Complications in Catalonia: Results from a Cross-Sectional Multicenter Study. *Journal of Neurovirology*, OCT, 2010, vol. 16, pp. 58-58. ISSN 1355-0284.



MUNOZ-RIVERA, Jaime; and QUINTANILLA, Ramon. On the Time Polynomial Decay in Elastic Solids with Voids. *Journal of Mathematical Analysis and Applications*, FEB 15, 2008, vol. 338, no. 2, pp. 1296-1309. ISSN 0022-247X.

NASCIMENTO, L., et al. Effect of the Recycling and Annealing on the Mechanical and Fracture Properties of Poly(Lactic Acid). *Journal of Polymers and the Environment*, DEC, 2010, vol. 18, no. 4, pp. 654-660. ISSN 1566-2543.

NAVARRO FLORES, A.; and MARTINEZ SOLA, F. Evaluation of Metal Attenuation from Mine Tailings in SE Spain (Sierra Almagrera): A Soil-Leaching Column Study. *Mine Water and the Environment*, APR, 2010, vol. 29, no. 1, pp. 53-67. ISSN 1025-9112.

NAVARRO FLORES, Andres; and DOMENECH RUBIO, Luis Miguel. Arsenic and Metal Mobility from Au Mine Tailings in Rodalquilar (Almeria, SE Spain). *Environmental Earth Sciences*, MAR, 2010, vol. 60, no. 1, pp. 121-138. ISSN 1866-6280.

NAVARRO, A., et al. Application of Solar Thermal Desorption to Remediation of Mercury-Contaminated Soils. *Solar Energy*, AUG, 2009, vol. 83, no. 8, pp. 1405-1414. ISSN 0038-092X.

NAVARRO, A.; and CARDELLACH, E. Mobilization of Ag, Heavy Metals and Eu from the Waste Deposit of the Las Herrerias Mine (Almeria, SE Spain). *Environmental Geology*, FEB, 2009, vol. 56, no. 7, pp. 1389-1404. ISSN 0943-0105.

NAVARRO, Andres, et al. Leaching Characteristics of Mercury Mine Wastes before and After Solar Thermal Desorption. *Environmental Engineering Science*, OCT, 2012, vol. 29, no. 10, pp. 915-928. ISSN 1092-8758.

NAVARRO, Andres; and CARBONELL, Montserrat. Assessment of Groundwater Contamination Caused by Uncontrolled Dumping in Old Gravel Quarries in the Besos Aquifers (Barcelona, Spain). *Environmental Geochemistry and Health*, JUN, 2008, vol. 30, no. 3, pp. 273-289. ISSN 0269-4042.

NAVARRO, Andres; CARDELLACH, Esteveand CORBELLA, Merce. Immobilization of Cu, Pb and Zn in Mine-Contaminated Soils using Reactive Materials. *Journal of Hazardous Materials*, FEB 28, 2011, vol. 186, no. 2-3, pp. 1576-1585. ISSN 0304-3894.

NAVARRO, Andres; CARDELLACH, Esteveand CORBELLA, Mere. Mercury Mobility in Mine Waste from Hg-Mining Areas in Almeria, Andalusia (Se Spain). *Journal of Geochemical Exploration*, JUN, 2009, vol. 101, no. 3, pp. 236-246. ISSN 0375-6742.



NAVARRO, Andres, et al. Metal Mobilization from Base-Metal Smelting Slag Dumps in Sierra Almagrera (Almeria, Spain). *Applied Geochemistry*, APR, 2008, vol. 23, no. 4, pp. 895-913. ISSN 0883-2927.

NAVARRO, Andres; FONT, Xavier and VILADEVALL, Manuel. Geochemistry and Groundwater Contamination in the La Selva Geothermal System (Girona, Northeast Spain). *Geothermics*, DEC, 2011, vol. 40, no. 4, pp. 275-285. ISSN 0375-6505.

NAVARRO, Andres; and MARTINEZ, Francisco. The use of Soil-Flushing to Remediate Metal Contamination in a Smelting Slag Dumping Area: Column and Pilot-Scale Experiments. *Engineering Geology*, SEP 6, 2010, vol. 115, no. 1-2, pp. 16-27. ISSN 0013-7952.

NAVARRO, Anna, et al. Physiological Responses to Mercury in Feral Carp Populations Inhabiting the Low Ebro River (NE Spain), a Historically Contaminated Site. *Aquatic Toxicology*, JUN 28, 2009, vol. 93, no. 2-3, pp. 150-157. ISSN 0166-445X.

NEUBERT, T., et al. The Properties of a Gigantic Jet Reflected in a Simultaneous Sprite: Observations Interpreted by a Model. *Journal of Geophysical Research-Space Physics*, DEC 30, 2011, vol. 116, pp. A12329. ISSN 0148-0227.

NEUBERT, T., et al. Recent Results from Studies of Electric Discharges in the Mesosphere. *Surveys in Geophysics*, MAR, 2008, vol. 29, no. 2, pp. 71-137. ISSN 0169-3298.

NISTOR, C., et al. Lossless Backward Second-Harmonic Generation of Extremely Narrow Subdiffractive Beams in Two-Dimensional Photonic Crystals. *Physical Review a*, SEP 8, 2010, vol. 82, no. 3, pp. 033805. ISSN 1050-2947.

NISTOR, C., et al. Second-Harmonic Generation of Narrow Beams in Subdiffractive Photonic Crystals. *Physical Review a*, NOV, 2008, vol. 78, no. 5, pp. 053818. ISSN 1050-2947.

NISTOR, Cristian, et al. Phase Matched Second Harmonic Generation in Planar Two-Dimensional Photonic Crystals. *Journal of Optics A-Pure and Applied Optics*, NOV, 2009, vol. 11, no. 11, pp. 114016. ISSN 1464-4258.

NISTOR, Cristian, et al. Broad Angle Phase Matching in Subdiffractive Photonic Crystals. *Optics Communications*, SEP 15, 2010, vol. 283, no. 18, pp. 3533-3535. ISSN 0030-4018.

NIUBO, M., et al. Influence of the Electric Arc Furnace Dust in the Physical and Mechanical Properties of EVA-Polyethylene-Butene Blends. *Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing*, MAY 24, 2011, vol. 528, no. 13-14, pp. 4437-4444. ISSN 0921-5093.



OATLEY, Darren L., et al. Review of the Dielectric Properties of Nanofiltration Membranes and Verification of the Single Oriented Layer Approximation. *Advances in Colloid and Interface Science*, MAY 15, 2012, vol. 173, pp. 1-11. ISSN 0001-8686.

OCAMPO-MARTINEZ, Carlos, et al. Objective Prioritization Sing Lexicographic Minimizers for MPC of Sewer Networks. *IEEE Transactions on Control Systems Technology*, JAN, 2008, vol. 16, no. 1, pp. 113-121. ISSN 1063-6536.

OCAMPO-MARTINEZ, Carlos; and PUIG, Vicenc. Fault-Tolerant Model Predictive Control within the Hybrid Systems Framework: Application to Sewer Networks. *International Journal of Adaptive Control and Signal Processing*, AUG, 2009, vol. 23, no. 8, pp. 757-787. ISSN 0890-6327.

OCHOA, Diego A., et al. Effect of Uniaxial Compressive Stress on Dielectric and Piezoelectric Responses in Lead Zirconate Titanate Based Ceramics. *Journal of the American Ceramic Society*, MAY, 2012, vol. 95, no. 5, pp. 1656-1660. ISSN 0002-7820.

OCHOA, Victoria, et al. Are Pesticide Residues Associated to Rice Production Affecting Oyster Production in Delta Del Ebro, NE Spain?. *Science of the Total Environment*, OCT 15, 2012, vol. 437, pp. 209-218. ISSN 0048-9697.

OLIET, C., et al. Modelling of Fin-and-Tube Evaporators Considering Non-Uniform in-Tube Heat Transfer. *International Journal of Thermal Sciences*, APR, 2010, vol. 49, no. 4, pp. 692-701. ISSN 1290-0729.

OLIET, C.; PEREZ-SEGARRA, C. D.and OLIVA, A. Thermal and Fluid Dynamic Simulation of Automotive Fin-and-Tube Heat Exchangers, Part 2: Experimental Comparison. *Heat Transfer Engineering*, MAY, 2008, vol. 29, no. 5, pp. 495-502. ISSN 0145-7632.

OLIET, C., et al. Multidimensional and Unsteady Simulation of Fin-and-Tube Heat Exchangers. *Numerical Heat Transfer Part A-Applications*, 2009, vol. 56, no. 3, pp. 193-210. ISSN 1040-7782.

OLIVER, J., et al. A Contact Domain Method for Large Deformation Frictional Contact Problems. Part 1: Theoretical Basis. *Computer Methods in Applied Mechanics and Engineering*, 2009, vol. 198, no. 33-36, pp. 2591-2606. ISSN 0045-7825.

OLIVER, J., et al. On the Numerical Resolution of the Discontinuous Material Bifurcation Problem. *International Journal for Numerical Methods in Engineering*, AUG 6, 2010, vol. 83, no. 6, pp. 786-804. ISSN 0029-5981.



OLIVER, J., et al. A Micromorphic Model for Steel Fiber Reinforced Concrete. *International Journal of Solids and Structures*, OCT 15, 2012, vol. 49, no. 21, pp. 2990-3007. ISSN 0020-7683.

ONCINS, Gerard; TORRENT-BURGUES, Joanand SANZ, Fausto. Nanomechanical Properties of Arachidic Acid Langmuir-Blodgett Films. *Journal of Physical Chemistry C*, FEB 14, 2008, vol. 112, no. 6, pp. 1967-1974. ISSN 1932-7447.

ONDATEGUI, Juan C., et al. Optical Quality After Myopic Photorefractive Keratectomy and Laser in Situ Keratomileusis: Comparison using a Double-Pass System. *Journal of Cataract and Refractive Surgery*, JAN, 2012, vol. 38, no. 1, pp. 16-27. ISSN 0886-3350.

OROZCO, C., et al. Verification of Multidimensional and Transient CFD Solutions. *Numerical Heat Transfer Part B-Fundamentals*, 2010, vol. 57, no. 1, pp. 46-73. ISSN 1040-7790.

ORRIT, J., et al. Identification of Dipolar Relaxations in Dielectric Spectra of Mid-Voltage Cross-Linked Polyethylene Cables. *Journal of Electrostatics*, APR, 2011, vol. 69, no. 2, pp. 119-125. ISSN 0304-3886.

ORRIT, J., et al. Dielectrical Behaviour of Composites Reinforced with Ground Tire Rubber (GTR). *Afinidad*, JUL-AUG, 2009, vol. 66, no. 542, pp. 293-299. ISSN 0001-9704.

ORRIT-PRAT, J., et al. Dielectric and Mechanical Characterization of PVC Composites with Ground Tire Rubber. *Journal of Composite Materials*, JUN, 2011, vol. 45, no. 11, pp. 1233-1243. ISSN 0021-9983.

ORTEGA, Carlos, et al. Reduction of the Common Mode Voltage of a Matrix Converter Fed Direct Torque Control. *Ieice Electronics Express*, JUL 25, 2010, vol. 7, no. 14, pp. 1044-1050. ISSN 1349-2543.

PAGES, P., et al. Processing of Poly (Lactic Acid) (PLA) and PLA / Montmorillonite Nanocomposites in a Pilot Plant: A Study of Structural Changes and Thermal Stability. *Afinidad*, MAR-APR, 2010, vol. 67, no. 546, pp. 107-113. ISSN 0001-9704.

PAGES, P., et al. Study of Curing of Layered silicate/trifunctional Epoxy Nanocomposites by Means of FTIR Spectroscopy. *Journal of Applied Polymer Science*, MAY 15, 2008, vol. 108, no. 4, pp. 2107-2115. ISSN 0021-8995.

PAMIES, T., et al. Sound Radiation from an Aperture in a Rectangular Enclosure Under Low Modal Conditions. *Journal of the Acoustical Society of America*, JUL, 2011, vol. 130, no. 1, pp. 239-248. ISSN 0001-4966.



PAMPLONA, Paulo Xavier; MUNOZ RIVERA, Jaime E.and QUINTANILLA, Ramon. Analyticity in Porous-Thermoelasticity with Microtemperatures. *Journal of Mathematical Analysis and Applications*, OCT 15, 2012, vol. 394, no. 2, pp. 645-655. ISSN 0022-247X.

PAMPLONA, Paulo Xavier; MUNOZ RIVERA, Jaime E.and QUINTANILLA, Ramon. On the Decay of Solutions for Porous-Elastic Systems with History. *Journal of Mathematical Analysis and Applications*, JUL 15, 2011, vol. 379, no. 2, pp. 682-705. ISSN 0022-247X.

PAMPLONA, Paulo Xavier; MUNOZ RIVERA, Jaime E.and QUINTANILLA, Ramon. Stabilization in Elastic Solids with Voids. *Journal of Mathematical Analysis and Applications*, FEB 1, 2009, vol. 350, no. 1, pp. 37-49. ISSN 0022-247X.

PATA, Vittorino; and QUINTANILLA, Ramon. On the Decay of Solutions in Nonsimple Elastic Solids with Memory. *Journal of Mathematical Analysis and Applications*, MAR 1, 2010, vol. 363, no. 1, pp. 19-28. ISSN 0022-247X.

PATINO, Alejandro, et al. Surface and Bulk Cotton Fibre Modifications: Plasma and Cationization. Influence on Dyeing with Reactive Dye. *Cellulose*, AUG, 2011, vol. 18, no. 4, pp. 1073-1083. ISSN 0969-0239.

PAUL, Jon, et al. Experimental and Theoretical Study of Dynamical Hysteresis and Scaling Laws in the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers. *Physical Review a*, APR, 2008, vol. 77, no. 4, pp. 043803. ISSN 1050-2947.

PAUL, Roshan, et al. Nano-Cotton Fabrics with High Ultraviolet Protection. *Textile Research Journal*, MAR, 2010, vol. 80, no. 5, pp. 454-462. ISSN 0040-5175.

PAUNE, Jaume; CARDONA, Genisand QUEVEDO, Lluisa. Toric Double Tear Reservoir Contact Lens in Orthokeratology for Astigmatism. *Eye & Contact Lens-Science and Clinical Practice*, JUL, 2012, vol. 38, no. 4, pp. 245-251. ISSN 1542-2321.

PECKUS, M., et al. Resonators with Manipulated Diffraction due to Two- and Three-Dimensional Intracavity Photonic Crystals. *Physical Review a*, MAR, 2009, vol. 79, no. 3, pp. 033806. ISSN 1050-2947.

PEDRA, J.; CANDELA, I.and BARRERA, A. Saturation Model for Squirrel-Cage Induction Motors. *Electric Power Systems Research*, JUL, 2009, vol. 79, no. 7, pp. 1054-1061. ISSN 0378-7796.



PEDRA, J.; CANDELA, I. and SAINZ, L. Modelling of Squirrel-Cage Induction Motors for Electromagnetic Transient Programs. *IET Electric Power Applications*, MAR, 2009, vol. 3, no. 2, pp. 111-122. ISSN 1751-8660.

PEDRA, J., et al. On Fixed-Speed WT Generator Modeling for Rotor Speed Stability Studies. *IEEE Transactions on Power Systems*, FEB, 2012, vol. 27, no. 1, pp. 397-406. ISSN 0885-8950.

PENA, R. S. Sanchez, et al. Robust Identification and Feedback Design: An Active Noise Control Case Study. *Control Engineering Practice*, NOV, 2008, vol. 16, no. 11, pp. 1265-1274. ISSN 0967-0661.

PEPIO, Montserrat; and CARMEN GUTIERREZ-BOUZAN, M. Empirical Models for the Decoloration of Dyes in an Electrochemical Batch Cell. *Industrial & Engineering Chemistry Research*, AUG 3, 2011, vol. 50, no. 15, pp. 8965-8972. ISSN 0888-5885.

PEREIRA MIRANDA, Ana F., et al. The use of Daphnia Magna Immobilization Tests and Soil Microcosms to Evaluate the Toxicity of Dredged Sediments. *Journal of Soils and Sediments*, FEB, 2011, vol. 11, no. 2, pp. 373-381. ISSN 1439-0108.

PERELSHTEIN, Ilana, et al. Enzymatic Pre-Treatment as a Means of Enhancing the Antibacterial Activity and Stability of ZnO Nanoparticles Sonochemically Coated on Cotton Fabrics. *Journal of Materials Chemistry*, 2012, vol. 22, no. 21, pp. 10736-10742. ISSN 0959-9428.

PEREZ, Daniel, et al. Reduction of Electromagnetic Interference Susceptibility in Small-Signal Analog Circuits using Complementary Split-Ring Resonators. *IET Transactions on Components Packaging and Manufacturing Technology*, FEB, 2012, vol. 2, no. 2, pp. 240-247. ISSN 2156-3950.

PEREZ, L. M., et al. A New Microtitre Plate Screening Method for Evaluating the Viability of Aerobic Respiring Bacteria in High Surface Biofilms. *Letters in Applied Microbiology*, SEP, 2010, vol. 51, no. 3, pp. 331-337. ISSN 0266-8254.

PEREZ, Ramon, et al. Methodology for Leakage Isolation using Pressure Sensitivity Analysis in Water Distribution Networks. *Control Engineering Practice*, OCT, 2011, vol. 19, no. 10, pp. 1157-1167. ISSN 0967-0661.

PEREZ, Toni, et al. An Intersegmental Neuronal Architecture for Spinal Wave Propagation Under Deletions. *Journal of Neuroscience*, AUG 19, 2009, vol. 29, no. 33, pp. 10254-10263. ISSN 0270-6474.



PEREZ-ARJONA, Isabel, et al. Diffusion Stabilizes Cavity Solitons in Bidirectional Lasers. *Optics Express*, MAR 16, 2009, vol. 17, no. 6, pp. 4897-4902. ISSN 1094-4087.

PEREZ-CABRE, Elisabet, et al. Photon-Counting Double-Random-Phase Encoding for Secure Image Verification and Retrieval. *Journal of Optics*, SEP, 2012, vol. 14, no. 9, pp. 094001. ISSN 2040-8978.

PEREZ-CABRE, Elisabet; CHO, Myungjinand JAVIDI, Bahram. Information Authentication using Photon-Counting Double-Random-Phase Encrypted Images. *Optics Letters*, JAN 1, 2011, vol. 36, no. 1, pp. 22-24. ISSN 0146-9592.

PEREZ-SEGARRA, C. D.; OLIET, C.and OLIVA, A. Thermal and Fluid Dynamic Simulation of Automotive Fin-and-Tube Heat Exchangers, Part 1: Mathematical Model. *Heat Transfer Engineering*, MAY, 2008, vol. 29, no. 5, pp. 484-494. ISSN 0145-7632.

PERRIG, Stephen, et al. Functional Interactions in Hierarchically Organized Neural Networks Studied with Spatiotemporal Firing Patterns and Phase-Coupling Frequencies. *Chinese Journal of Physiology*, DEC 31, 2010, vol. 53, no. 6, pp. 382-395. ISSN 0304-4920.

PERRONE, Sandro; VILASECA, Ramonand MASOLLER, Cristina. Stochastic Logic Gate that Exploits Noise and Polarization Bistability in an Optically Injected VCSEL. *Optics Express*, SEP 24, 2012, vol. 20, no. 20, pp. 22692-22699. ISSN 1094-4087.

PICO, R., et al. Spatial Filtering of Sound Beams by Sonic Crystals. *Applied Acoustics*, APR, 2012, vol. 73, no. 4, pp. 302-306. ISSN 0003-682X.

PIGOLOTTI, Simone, et al. Population Genetics in Compressible Flows. *Physical Review Letters*, MAR 23, 2012, vol. 108, no. 12, pp. 128102. ISSN 0031-9007.

PIGOLOTTI, Simone, et al. Equilibrium Strategy and Population-Size Effects in Lowest Unique Bid Auctions. *Physical Review Letters*, FEB 22, 2012, vol. 108, no. 8, pp. 088701. ISSN 0031-9007.

PINO, Abdiel, et al. Using Laser Speckle to Measure the Roughness of Paper. *Tappi Journal*, MAR, 2011, vol. 10, no. 3, pp. 7-13. ISSN 0734-1415.

PINO, Abdiel, et al. Roughness Measurement of Paper using Speckle. *Optical Engineering*, SEP, 2011, vol. 50, no. 9, pp. 093605. ISSN 0091-3286.

PLADELLORENS, Josep, et al. A Device for the Color Measurement and Detection of Spots on the Skin. *Skin Research and Technology*, FEB, 2008, vol. 14, no. 1, pp. 65-70. ISSN 0909-752X.



PONCE C, M.; MASOLLER, C. and MARTI, Arturo C. Synchronizability of Chaotic Logistic Maps in Delayed Complex Networks. *European Physical Journal B*, JAN, 2009, vol. 67, no. 1, pp. 83-93. ISSN 1434-6028.

PONCELAS, Oscar, et al. Motor Fault Detection using a Rogowski Sensor without an Integrator. *IEEE Transactions on Industrial Electronics*, OCT, 2009, vol. 56, no. 10, pp. 4062-4070. ISSN 0278-0046.

PONS, A. J.; BATISTE, O. and BEES, M. A. Nonlinear Chemoconvection in the Methylene-Blue-Glucose System: Two-Dimensional Shallow Layers. *Physical Review E*, JUL, 2008, vol. 78, no. 1, pp. 016316. ISSN 1539-3755.

PONS, A. J., et al. Relating Structural and Functional Anomalous Connectivity in the Aging Brain Via Neural Mass Modeling. *Neuroimage*, SEP, 2010, vol. 52, no. 3, pp. 848-861. ISSN 1053-8119.

PONS, Antonio J. MATERIALS SCIENCE Cracks Tamed. *Nature*, MAY 10, 2012, vol. 485, no. 7397, pp. 177-178. ISSN 0028-0836.

PONSA, P.; AMANTE, B. and DIAZ, M. Ergonomic Design Applied in a Sugar Mill Interface. *Latin American Applied Research*, JAN, 2010, vol. 40, no. 1, pp. 27-33. ISSN 0327-0793.

PONSA, P.; VILANOVA, R. and AMANTE, B. Human Intervention and Interface Design in Automation Systems. *International Journal of Computers Communications & Control*, MAR, 2011, vol. 6, no. 1, pp. 166-174. ISSN 1841-9836.

PONSA, Pere, et al. Higher Education Challenges: Introduction of Active Methodologies in Engineering Curricula. *International Journal of Engineering Education*, 2009, vol. 25, no. 4, pp. 799-813. ISSN 0949-149X.

PONSA, Pere; AMANTE, Beatriz and DIAZ, Marta. Usability Evaluation for the Task of Human Supervision in Industrial Control Room. *Revista Iberoamericana De Automatica E Informatica Industrial*, JAN, 2009, vol. 6, no. 1, pp. 84-+. ISSN 1697-7912.

PONS-PONS, Marc, et al. Modeling Climate Change Effects on Winter Ski Tourism in Andorra. *Climate Research*, 2012, vol. 54, no. 3, pp. 197-207. ISSN 0936-577X.

POU, Josep, et al. Current Balancing Strategy for Interleaved Voltage Source Inverters. *Epe Journal*, JAN-MAR, 2011, vol. 21, no. 1, pp. 29-34. ISSN 0939-8368.



POU, Josep, et al. A Carrier-Based PWM Strategy with Zero-Sequence Voltage Injection for a Three-Level Neutral-Point-Clamped Converter. *Ieee Transactions on Power Electronics*, FEB, 2012, vol. 27, no. 2, pp. 642-651. ISSN 0885-8993.

PRATS, Xavier, et al. Multi-Objective Optimisation for Aircraft Departure Trajectories Minimising Noise Annoyance. *Transportation Research Part C-Emerging Technologies*, DEC, 2010, vol. 18, no. 6, pp. 975-989. ISSN 0968-090X.

PUIG, V., et al. Predictive Optimal Control of Sewer Networks using CORAL Tool: Application to Riera Blanca Catchment in Barcelona. *Water Science and Technology*, 2009, vol. 60, no. 4, pp. 869-878. ISSN 0273-1223.

PUIG, V., et al. Passive Robust Fault Detection of Dynamic Processes using Interval Models. *IEEE Transactions on Control Systems Technology*, SEP, 2008, vol. 16, no. 5, pp. 1083-1089. ISSN 1063-6536.

PUIG, V., et al. Optimal Predictive Control of Water Transport Systems: Arret-Darre/Arros Case Study. *Water Science and Technology*, 2009, vol. 60, no. 8, pp. 2125-2133. ISSN 0273-1223.

PUIG, Vicenc; SALUDES, Jordiand QUEVEDO, Joseba. Simulation of Discrete Linear Time-Invariant Fuzzy Dynamic Systems. *Fuzzy Sets and Systems*, APR 1, 2008, vol. 159, no. 7, pp. 787-803. ISSN 0165-0114.

PUSTKOVA, Pavla, et al. Homopolymerization Effects in Polymer Layered Silicate Nanocomposites Based upon Epoxy Resin: Implications for Exfoliation. *Journal of Applied Polymer Science*, OCT 15, 2009, vol. 114, no. 2, pp. 1040-1047. ISSN 0021-8995.

QUEVEDO, J., et al. Validation and Reconstruction of Flow Meter Data in the Barcelona Water Distribution Network. *Control Engineering Practice*, JUN, 2010, vol. 18, no. 6, pp. 640-651. ISSN 0967-0661.

QUEVEDO-JUNYENT, Lluïsa, et al. Comparison of Dynamic Visual Acuity between Water Polo Players and Sedentary Students. *Research Quarterly for Exercise and Sport*, DEC, 2011, vol. 82, no. 4, pp. 644-651. ISSN 0270-1367.

QUINTANILLA, R. A Note on the Spatial Behavior for the Generalized Tricomi Equation. *Applied Mathematics Letters*, DEC, 2012, vol. 25, no. 12, pp. 2258-2261. ISSN 0893-9659.

QUINTANILLA, R. On Growth and Continuous Dependence in Thermoelasticity with Microtemperatures. *Journal of Thermal Stresses*, 2011, vol. 34, no. 9, pp. 911-922. ISSN 0149-5739.



QUINTANILLA, R. Some Solutions for a Family of Exact Phase-Lag Heat Conduction Problems. *Mechanics Research Communications*, JUL, 2011, vol. 38, no. 5, pp. 355-360. ISSN 0093-6413.

QUINTANILLA, R. A Note on a Non-Standard Problem for an Equation with a Delay Term. *Applied Mathematics and Computation*, JUL 1, 2010, vol. 216, no. 9, pp. 2759-2765. ISSN 0096-3003.

QUINTANILLA, R. On the Spatial Behavior of Constrained Motion in Type III Thermoelasticity. *Journal of Thermal Stresses*, 2010, vol. 33, no. 7, pp. 694-705. ISSN 0149-5739.

QUINTANILLA, R. Spatial Estimates for an Equation with a Delay Term. *Zeitschrift Fur Angewandte Mathematik Und Physik*, APR, 2010, vol. 61, no. 2, pp. 381-388. ISSN 0044-2275.

QUINTANILLA, R. Spatial Behaviour of Solutions of the Three-Phase-Lag Heat Equation. *Applied Mathematics and Computation*, JUL 1, 2009, vol. 213, no. 1, pp. 153-162. ISSN 0096-3003.

QUINTANILLA, R. Uniqueness in Thermoelasticity of Porous Media with Microtemperatures. *Archives of Mechanics*, 2009, vol. 61, no. 5, pp. 371-382. ISSN 0373-2029.

QUINTANILLA, R. End Effects in Three-Phase-Lag Heat Conduction. *Applicable Analysis*, 2008, vol. 87, no. 8, pp. 943-955. ISSN 0003-6811.

QUINTANILLA, R. Polynomial and Exponential Spatial Decay Estimates in Elasticity. *Journal of Elasticity*, DEC, 2008, vol. 93, no. 3, pp. 279-290. ISSN 0374-3535.

QUINTANILLA, R. A Spatial Decay in the Linear Theory of Microstretch Piezoelectricity. *Mathematical and Computer Modelling*, JUN, 2008, vol. 47, no. 11-12, pp. 1117-1124. ISSN 0895-7177.

QUINTANILLA, R.; and JORDAN, P. M. A Note on the Two Temperature Theory with Dual-Phase-Lag Delay: Some Exact Solutions. *Mechanics Research Communications*, OCT, 2009, vol. 36, no. 7, pp. 796-803. ISSN 0093-6413.

QUINTANILLA, R.; and RACKE, R. Qualitative Aspects of Solutions in Resonators (Vol 60, Pg 345, 2008). *Archives of Mechanics*, 2011, vol. 63, no. 4, pp. 429-435. ISSN 0373-2029.

QUINTANILLA, R.; and RACKE, R. Qualitative Aspects of Solutions in Resonators. *Archives of Mechanics*, 2008, vol. 60, no. 4, pp. 345-360. ISSN 0373-2029.



QUINTANILLA, R.; and RAJAGOPAL, K. R. Further Mathematical Results Concerning Burgers Fluids and their Generalizations. *Zeitschrift Fur Angewandte Mathematik Und Physik*, FEB, 2012, vol. 63, no. 1, pp. 191-202. ISSN 0044-2275.

QUINTANILLA, R.; and SIVALOGANATHAN, J. Aspects of the Nonlinear Theory of Type II Thermoelastostatics. *European Journal of Mechanics A-Solids*, MAR-APR, 2012, vol. 32, pp. 109-117. ISSN 0997-7538.

QUINTANILLA, R.; and STRAUGHAN, B. Green-Naghdi Type III Viscous Fluids. *International Journal of Heat and Mass Transfer*, JAN 31, 2012, vol. 55, no. 4, pp. 710-714. ISSN 0017-9310.

QUINTANILLA, R.; and STRAUGHAN, B. Nonlinear Waves in a Green-Naghdi Dissipationless Fluid. *Journal of Non-Newtonian Fluid Mechanics*, OCT, 2008, vol. 154, no. 2-3, pp. 207-210. ISSN 0377-0257.

QUINTANILLA, Ramon. Impossibility of Localization in Thermo-Porous-Elasticity with Microtemperatures. *Acta Mechanica*, OCT, 2009, vol. 207, no. 3-4, pp. 145-151. ISSN 0001-5970.

QUINTANILLA, Ramon. Type II Thermoelasticity. A New Aspect. *Journal of Thermal Stresses*, 2009, vol. 32, no. 3, pp. 290-307. ISSN 0149-5739.

QUINTANILLA, Ramon. A Well-Posed Problem for the Three-Dual-Phase-Lag Heat Conduction. *Journal of Thermal Stresses*, 2009, vol. 32, no. 12, pp. 1270-1278. ISSN 0149-5739.

QUINTANILLA, Ramon. On Uniqueness for a Family of Nonstandard Problems. *Applied Mathematics Letters*, MAR, 2008, vol. 21, no. 3, pp. 291-297. ISSN 0893-9659.

QUINTANILLA, Ramon. A Well-Posed Problem for the Dual-Phase-Lag Heat Conduction. *Journal of Thermal Stresses*, 2008, vol. 31, no. 3, pp. 260-269. ISSN 0149-5739.

QUINTANILLA, Ramon; and RACKE, Reinhard. A Note on Stability in Three-Phase-Lag Heat Conduction. *International Journal of Heat and Mass Transfer*, JAN, 2008, vol. 51, no. 1-2, pp. 24-29. ISSN 0017-9310.

QUINTANILLA, Ramon; and SACCOMANDI, Giuseppe. Phragmen-Lindelof Alternative of Exponential Type for the Solutions of a Fourth Order Dispersive Equation. *Rendiconti Lincei-Matematica E Applicazioni*, 2012, vol. 23, no. 2, pp. 105-113. ISSN 1120-6330.



QUINTANILLA, Ramon; and SACCOMANDI, Giuseppe. Some Qualitative Properties for the Equations of Pre-Stressed Viscoelastic Solids. *Mechanics Research Communications*, JUL, 2009, vol. 36, no. 5, pp. 547-555. ISSN 0093-6413.

QUINTANILLA, Ramon; and SACCOMANDI, Giuseppe. Quasistatic Anti-Plane Motion in the Simplest Theory of Nonlinear Viscoelasticity. *Nonlinear Analysis-Real World Applications*, SEP, 2008, vol. 9, no. 4, pp. 1499-1517. ISSN 1468-1218.

RADZIUNAS, M.; and STALIUNAS, K. Spatial "Rocking" in Broad-Area Semiconductor Lasers. *Epl*, JUL, 2011, vol. 95, no. 1, pp. 14002. ISSN 0295-5075.

RALDUA, Demetrio; ANDRE, Michele and BABIN, Patrick J. Clofibrate and Gemfibrozil Induce an Embryonic Malabsorption Syndrome in Zebrafish. *Toxicology and Applied Pharmacology*, MAY 1, 2008, vol. 228, no. 3, pp. 301-314. ISSN 0041-008X.

RALDUA, Demetrio; and BABIN, Patrick J. Simple, Rapid Zebrafish Larva Bioassay for Assessing the Potential of Chemical Pollutants and Drugs to Disrupt Thyroid Gland Function. *Environmental Science & Technology*, SEP 1, 2009, vol. 43, no. 17, pp. 6844-6850. ISSN 0013-936X.

RALDUA, Demetrio, et al. First Evidence of Polybrominated Diphenyl Ether (Flame Retardants) Effects in Feral Barbel from the Ebro River Basin (NE, Spain). *Chemosphere*, AUG, 2008, vol. 73, no. 1, pp. 56-64. ISSN 0045-6535.

RALLO, Miquel; MILLAN, Maria S. and ESCOFET, Jaume. Unsupervised Novelty Detection using Gabor Filters for Defect Segmentation in Textures. *Journal of the Optical Society of America A-Optics Image Science and Vision*, SEP 1, 2009, vol. 26, no. 9, pp. 1967-1976. ISSN 1084-7529.

RAMIREZ, G., et al. Influence of Substrate Microstructure on the Contact Fatigue Strength of Coated Cold-Work Tool Steels. *Surface & Coatings Technology*, FEB 25, 2012, vol. 206, no. 13, pp. 3069-3081. ISSN 0257-8972.

RAMON, E., et al. Molecular Insights into Sector Retinitis Pigmentosa Retinal Disease. *Febs Journal*, SEP, 2012, vol. 279, pp. 429-430. ISSN 1742-464X.

RAUSH, G., et al. Analysis of the Heat Transfer and Friction Factor Correlations Influence in the Prediction of Evaporating Flows Inside Tubes. *International Journal of Refrigeration-Revue Internationale Du Froid*, NOV, 2009, vol. 32, no. 7, pp. 1744-1755. ISSN 0140-7007.



REALINHO, V., et al. Effect of a Dodecylsulfate-Modified Magnesium-Aluminum Layered Double Hydroxide on the Morphology and Fracture of Polystyrene and Poly(Styrene-Co-Acrylonitrile) Composites. *Journal of Applied Polymer Science*, MAR 5, 2009, vol. 111, no. 5, pp. 2574-2583. ISSN 0021-8995.

REALINHO, V., et al. Characterization of Highly Oriented Organoclay/Poly(Methyl Methacrylate) Moulded Nanocomposites. *Journal of Nanoscience and Nanotechnology*, FEB, 2010, vol. 10, no. 2, pp. 1304-1312. ISSN 1533-4880.

REALINHO, Vera, et al. Influence of Nanoclay Concentration on the CO₂ Diffusion and Physical Properties of PMMA Montmorillonite Microcellular Foams. *Industrial & Engineering Chemistry Research*, DEC 21, 2011, vol. 50, no. 24, pp. 13819-13824. ISSN 0888-5885.

REYES, Manuel, et al. Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions. *Ieee Transactions on Power Electronics*, SEP, 2012, vol. 27, no. 9, pp. 3934-3943. ISSN 0885-8993.

REYES-ALCARAZ, A.; TZANOV, T. and GARRIGA, P. Stabilization of Membrane Proteins: The Case of G-Protein-Coupled Receptors. *Engineering in Life Sciences*, JUN, 2008, vol. 8, no. 3, pp. 207-217. ISSN 1618-0240.

REYES-ALCARAZ, Arfaxad, et al. Salt Effects on the Conformational Stability of the Visual G-Protein-Coupled Receptor Rhodopsin. *Biophysical Journal*, DEC 7, 2011, vol. 101, no. 11, pp. 2798-2806. ISSN 0006-3495.

RIBA RUIZ, Jordi-Roger; GARCIA ESPINOSA, Antonio and ROMERAL, Luis. A Computer Model for Teaching the Dynamic Behavior of AC Contactors. *Ieee Transactions on Education*, MAY, 2010, vol. 53, no. 2, pp. 248-256. ISSN 0018-9359.

RIBA RUIZ, Jordi-Roger, et al. Demagnetization Diagnosis in Permanent Magnet Synchronous Motors Under Non-Stationary Speed Conditions. *Electric Power Systems Research*, OCT, 2010, vol. 80, no. 10, pp. 1277-1285. ISSN 0378-7796.

RIBA RUIZ, Jordi-Roger, et al. Detection of Demagnetization Faults in Permanent-Magnet Synchronous Motors Under Nonstationary Conditions. *IEEE Transactions on Magnetics*, JUL, 2009, vol. 45, no. 7, pp. 2961-2969. ISSN 0018-9464.

RICARD, A.; and CANAL, C. Transmission of N Atoms through PP Membranes for Nitrogen Flowing Post Discharge Sterilisation Processes. *Plasma Chemistry and Plasma Processing*, JUN, 2010, vol. 30, no. 3, pp. 373-379. ISSN 0272-4324.



RIERA-TORRES, M.; and GUTIERREZ, Maria-Carmen. Colour Removal of Three Reactive Dyes by UV Light Exposure After Electrochemical Treatment. *Chemical Engineering Journal*, JAN 1, 2010, vol. 156, no. 1, pp. 114-120. ISSN 1385-8947.

RIERA-TORRES, M.; and GUTIERREZ-BOUZAN, C. Optimisation of the Electrochemical and UV Combined Treatment to Remove Colour and Organic Halogenated Compounds of Textile Effluents. *Separation and Purification Technology*, SEP 19, 2012, vol. 98, pp. 375-382. ISSN 1383-5866.

RIERA-TORRES, M.; GUTIERREZ-BOUZAN, C. and CRESPI, M. Combination of Coagulation-Flocculation and Nanofiltration Techniques for Dye Removal and Water Reuse in Textile Effluents. *Desalination*, MAR, 2010, vol. 252, no. 1-3, pp. 53-59. ISSN 0011-9164.

RIERA-TORRES, Miquel, et al. Influence of Electrochemical Pre-Treatment in Dyeing Wastewater Reuse for Five Reactive Dyes. *Textile Research Journal*, NOV, 2011, vol. 81, no. 18, pp. 1926-1939. ISSN 0040-5175.

RIGOLA, Joaquim, et al. Numerical Simulation and Experimental Validation of Internal Heat Exchanger Influence on CO₂ Trans-Critical Cycle Performance. *International Journal of Refrigeration-Revue Internationale Du Froid*, JUN, 2010, vol. 33, no. 4, pp. 664-674. ISSN 0140-7007.

RIU, Jordi, et al. Silicon Photomultiplier Detector for Atmospheric Lidar Applications. *Optics Letters*, APR 1, 2012, vol. 37, no. 7, pp. 1229-1231. ISSN 0146-9592.

RIU-AUMATELL, Montserrat, et al. Characterisation of Volatile Composition of White Salsify (*Tragopogon Porrifolius* L.) by Headspace Solid-Phase Microextraction (HS-SPME) and Simultaneous Distillation-Extraction (SDE) Coupled to GC-MS. *Food Chemistry*, NOV 15, 2011, vol. 129, no. 2, pp. 557-564. ISSN 0308-8146.

RIVA, Ascension, et al. Modeling the Effects of Color on the UV Protection Provided by Cotton Woven Fabrics Dyed with Azo Dyestuffs. *Industrial & Engineering Chemistry Research*, NOV 18, 2009, vol. 48, no. 22, pp. 9817-9822. ISSN 0888-5885.

ROBLES, Eider, et al. Grid Sequence Detector Based on a Stationary Reference Frame. *Epe Journal*, APR-JUN, 2010, vol. 20, no. 2, pp. 57-63. ISSN 0939-8368.

ROBLES, Eider, et al. Variable-Frequency Grid-Sequence Detector Based on a Quasi-Ideal Low-Pass Filter Stage and a Phase-Locked Loop. *Ieee Transactions on Power Electronics*, OCT, 2010, vol. 25, no. 10, pp. 2552-2563. ISSN 0885-8993.



ROBLES, Eider, et al. Frequency-Adaptive Stationary-Reference-Frame Grid Voltage Sequence Detector for Distributed Generation Systems. *IEEE Transactions on Industrial Electronics*, SEP, 2011, vol. 58, no. 9, pp. 4275-4287. ISSN 0278-0046.

ROCABERT, Joan, et al. Intelligent Connection Agent for Three-Phase Grid-Connected Microgrids. *IEEE Transactions on Power Electronics*, OCT, 2011, vol. 26, no. 10, pp. 2993-3005. ISSN 0885-8993.

ROCABERT, Joan, et al. Control of Power Converters in AC Microgrids. *IEEE Transactions on Power Electronics*, NOV, 2012, vol. 27, no. 11, pp. 4734-4749. ISSN 0885-8993.

ROCASALBAS, Guillem, et al. A New Approach to Produce Plant Antioxidants-Loaded Chitosan for Medical Applications. *Abstracts of Papers of the American Chemical Society*, MAR 22, 2009, vol. 237. ISSN 0065-7727.

RODRIGUEZ, C.; MASPOCH, M. Lland BELZUNCE, F. J. Fracture Characterization of Ductile Polymers through Methods Based on Load Separation. *Polymer Testing*, APR, 2009, vol. 28, no. 2, pp. 204-208. ISSN 0142-9418.

RODRIGUEZ, Francisco J., et al. Observation of Speckle Pattern Formation in Transparent Nonlinear Random Media. *Optics Letters*, APR 15, 2011, vol. 36, no. 8, pp. 1347-1349. ISSN 0146-9592.

RODRIGUEZ, I., et al. Unsteady Numerical Simulation of the Cooling Process of Vertical Storage Tanks Under Laminar Natural Convection. *International Journal of Thermal Sciences*, APR, 2009, vol. 48, no. 4, pp. 708-721. ISSN 1290-0729.

RODRIGUEZ, I., et al. Numerical Study of the Transient Cooling Process of Water Storage Tanks Under Heat Losses to the Environment. *Numerical Heat Transfer Part A-Applications*, 2009, vol. 55, no. 12, pp. 1051-1074. ISSN 1040-7782.

RODRIGUEZ, Ivette, et al. Direct Numerical Simulation of the Flow Over a Sphere at $Re=3700$. *Journal of Fluid Mechanics*, JUL, 2011, vol. 679, pp. 263-287. ISSN 0022-1120.

RODRIGUEZ, Pedro, et al. Multilevel-Clamped Multilevel Converters (MLC2). *IEEE Transactions on Power Electronics*, MAR, 2012, vol. 27, no. 3, pp. 1055-1060. ISSN 0885-8993.

RODRIGUEZ, Pedro, et al. Current Harmonics Cancellation in Three-Phase Four-Wire Systems by using a Four-Branch Star Filtering Topology. *IEEE Transactions on Power Electronics*, AUG, 2009, vol. 24, no. 8, pp. 1939-1950. ISSN 0885-8993.



RODRIGUEZ, Pedro, et al. Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions. *IEEE Transactions on Industrial Electronics*, JAN, 2011, vol. 58, no. 1, pp. 127-138. ISSN 0278-0046.

RODRIGUEZ, Pedro, et al. A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions. *Ieee Transactions on Power Electronics*, JAN, 2012, vol. 27, no. 1. ISSN 0885-8993.

RODRIGUEZ, Pedro, et al. Reactive Power Control for Improving Wind Turbine System Behavior Under Grid Faults. *Ieee Transactions on Power Electronics*, JUL, 2009, vol. 24, no. 7, pp. 1798-1801. ISSN 0885-8993.

RODRIGUEZ-CONTRERAS, Alejandra; CALAFELL-MONFORT, Margarita and SOLEDAD MARQUES-CALVO, Maria. Enzymatic Degradation of Poly(3-Hydroxybutyrate-Co-4-Hydroxybutyrate) by Commercial Lipases. *Polymer Degradation and Stability*, APR, 2012, vol. 97, no. 4, pp. 597-604. ISSN 0141-3910.

RODRIGUEZ-DONAIRE, Silvia; CASI, Enric and CARBONELL, Xavier. MANGO SA: Reinventing the Fashion Sector. *Universia Business Review*, 2009, no. 23, pp. 26-39. ISSN 1698-5117.

RODRIGUEZ-DONAIRE, Silvia; and LAGARES, Josep. Metalquimia SA: Socializing and Systematizing the Innovation. *Universia Business Review*, 2009, no. 23, pp. 40-55. ISSN 1698-5117.

ROLAN, A.; CORCOLES, F. and PEDRA, J. Behaviour of the Doubly Fed Induction Generator Exposed to Unsymmetrical Voltage Sags. *Iet Electric Power Applications*, SEP, 2012, vol. 6, no. 8, pp. 561-574. ISSN 1751-8660.

ROLAN, Alejandro; CORCOLES, Felipe and PEDRA, Joaquin. Doubly Fed Induction Generator Subject to Symmetrical Voltage Sags. *IEEE Transactions on Energy Conversion*, DEC, 2011, vol. 26, no. 4, pp. 1219-1229. ISSN 0885-8969.

ROMAN, Frida, et al. Identification of Nanostructural Development in Epoxy Polymer Layered Silicate Nanocomposites from the Interpretation of Differential Scanning Calorimetry and Dielectric Spectroscopy. *Thermochimica Acta*, AUG 10, 2012, vol. 541, pp. 76-85. ISSN 0040-6031.

ROMERAL, L., et al. Electrical Monitoring for Fault Detection in an EMA. *IEEE Aerospace and Electronic Systems Magazine*, MAR, 2010, vol. 25, no. 3, pp. 4-9. ISSN 0885-8985.



ROMERO, Lenny A., et al. Double Peacock Eye Optical Element for Extended Focal Depth Imaging with Ophthalmic Applications. *Journal of Biomedical Optics*, APR, 2012, vol. 17, no. 4, pp. 046013. ISSN 1083-3668.

ROMERO, N.; ROVELLA, A. and VILAMAJO, F. Perturbations of the Quadratic Family of Order Two: The Boundary of Hyperbolicity. *Nonlinearity*, MAY, 2009, vol. 22, no. 5, pp. 1145-1165. ISSN 0951-7715.

ROMERO-FERNANDEZ, Wilber, et al. Altered Trafficking and Unfolded Protein Response Induction as a Result of M-3 Muscarinic Receptor Impaired N-Glycosylation. *Glycobiology*, DEC, 2011, vol. 21, no. 12, pp. 1663-1672. ISSN 0959-6658.

ROMERO-FERNANDEZ, Wilber; GARRIGA, Pere and BORROTO-ESCUELA, Dasiel O. Overproduction of Human M-3 Muscarinic Acetylcholine Receptor: An Approach Toward Structural Studies. *Biotechnology Progress*, MAY-JUN, 2011, vol. 27, no. 3, pp. 838-845. ISSN 8756-7938.

ROMEU, J., et al. Street Categorization for the Estimation of Day Levels using Short-Term Measurements. *Applied Acoustics*, JUL, 2011, vol. 72, no. 8, pp. 569-577. ISSN 0003-682X.

RONDONI, L.; and PIGOLOTTI, S. On Gamma- and Mu-Space Descriptions: Gibbs and Boltzmann Entropies of Symplectic Coupled Maps. *Physica Scripta*, NOV, 2012, vol. 86, no. 5, pp. 058513. ISSN 0031-8949.

ROPPO, V., et al. Harmonic Generation and Energy Transport in Dielectric and Semiconductors at Visible and UV Wavelengths: The Case of GaP. *Journal of the Optical Society of America B-Optical Physics*, DEC, 2011, vol. 28, no. 12, pp. 2888-2894. ISSN 0740-3224.

ROPPO, V., et al. Second Harmonic Generation in a Generic Negative Index Medium. *Journal of the Optical Society of America B-Optical Physics*, AUG, 2010, vol. 27, no. 8, pp. 1671-1679. ISSN 0740-3224.

ROPPO, V., et al. Phase Locked Second and Third Harmonic Localization in Semiconductor Cavities. *Journal of Optoelectronics and Advanced Materials*, JAN, 2010, vol. 12, no. 1, pp. 57-62. ISSN 1454-4164.

ROPPO, V., et al. Field Localization and Enhancement of Phase-Locked Second- and Third-Order Harmonic Generation in Absorbing Semiconductor Cavities. *Physical Review a*, OCT, 2009, vol. 80, no. 4, pp. 043834. ISSN 1050-2947.



ROPPO, V., et al. Cavity Behavior of Second and Third Harmonic Inhomogeneous Solutions of Maxwell's Equations. *Waves in Random and Complex Media*, 2010, vol. 20, no. 2, pp. 319-331. ISSN 1745-5030.

ROPPO, V., et al. Third Harmonic Generation at 223 Nm in the Metallic Regime of GaP. *Applied Physics Letters*, MAR 14, 2011, vol. 98, no. 11, pp. 111105. ISSN 0003-6951.

ROPPO, V., et al. Enhanced Efficiency of the Second Harmonic Inhomogeneous Component in an Opaque Cavity. *Optics Letters*, MAY 15, 2011, vol. 36, no. 10, pp. 1809-1811. ISSN 0146-9592.

ROPPO, V., et al. The Role of Ferroelectric Domain Structure in Second Harmonic Generation in Random Quadratic Media. *Optics Express*, MAR 1, 2010, vol. 18, no. 5, pp. 4012-4022. ISSN 1094-4087.

ROPPO, Vito, et al. Planar Second-Harmonic Generation with Noncollinear Pumps in Disordered Media. *Optics Express*, SEP 1, 2008, vol. 16, no. 18, pp. 14192-14199. ISSN 1094-4087.

ROSAS-CASALS, Marti; and SOLE, Ricard. Analysis of Major Failures in Europe's Power Grid. *International Journal of Electrical Power & Energy Systems*, MAR, 2011, vol. 33, no. 3, pp. 805-808. ISSN 0142-0615.

ROSERO, Javier A., et al. Short-Circuit Detection by Means of Empirical Mode Decomposition and Wigner-Ville Distribution for PMSM Running Under Dynamic Condition. *IEEE Transactions on Industrial Electronics*, NOV, 2009, vol. 56, no. 11, pp. 4534-4547. ISSN 0278-0046.

ROSICH, Albert, et al. Fault Diagnosis Based on Causal Computations. *IEEE Transactions on Systems Man and Cybernetics Part A-Systems and Humans*, MAR, 2012, vol. 42, no. 2, pp. 371-381. ISSN 1083-4427.

ROSSA-SIERRA, A., et al. Study of the Interface Behaviour between MABS/TPU Bi-Layer Structures obtained through Over Moulding. *Materials & Design*, DEC, 2009, vol. 30, no. 10, pp. 3979-3988. ISSN 0261-3069.

ROSSO, O. A.; and MASOLLER, C. Detecting and Quantifying Temporal Correlations in Stochastic Resonance Via Information Theory Measures. *European Physical Journal B*, MAY, 2009, vol. 69, no. 1, pp. 37-43. ISSN 1434-6028.



ROSSO, Osvaldo A.; and MASOLLER, Cristina. Detecting and Quantifying Stochastic and Coherence Resonances Via Information-Theory Complexity Measurements. *Physical Review E*, APR, 2009, vol. 79, no. 4, pp. 040106. ISSN 1539-3755.

RUBIDO, Nicolas, et al. Language Organization and Temporal Correlations in the Spiking Activity of an Excitable Laser: Experiments and Model Comparison. *Physical Review E*, AUG 9, 2011, vol. 84, no. 2, pp. 026202. ISSN 1539-3755.

RUBIO, Laia, et al. Skin Delivery of Caffeine Contained in Biofunctional Textiles. *Textile Research Journal*, JUL, 2010, vol. 80, no. 12, pp. 1214-1221. ISSN 0040-5175.

RUE, P., et al. Integration of Cellular Signals in Chattering Environments. *Progress in Biophysics & Molecular Biology*, SEP, 2012, vol. 110, no. 1, pp. 106-112. ISSN 0079-6107.

RUE, P., et al. Relaxation Dynamics and Frequency Response of a Noisy Cell Signaling Network. *Chaos*, DEC, 2010, vol. 20, no. 4, pp. 045110. ISSN 1054-1500.

RUE, Pau; and GARCIA-OJALVO, Jordi. Gene Circuit Designs for Noisy Excitable Dynamics. *Mathematical Biosciences*, MAY, 2011, vol. 231, no. 1, pp. 90-97. ISSN 0025-5564.

RUE, Pau; SUEEL, Guerol M. and GARCIA-OJALVO, Jordi. Optimizing Periodicity and Polymodality in Noise-Induced Genetic Oscillators. *Physical Review E*, JUN 6, 2011, vol. 83, no. 6, pp. 061904. ISSN 1539-3755.

RUE, Pau; VILLA-FREIXA, Jordi and BURRAGE, Kevin. Simulation Methods with Extended Stability for Stiff Biochemical Kinetics. *Bmc Systems Biology*, AUG 11, 2010, vol. 4, pp. 110. ISSN 1752-0509.

RUIZ, J. M., et al. Current Consumption and Power Integrity of CMOS Digital Circuits Under NBTI Wearout. *Journal of Electronic Testing-Theory and Applications*, DEC, 2012, vol. 28, no. 6, pp. 865-868. ISSN 0923-8174.

RUIZ, Patricia, et al. Intermatrix Synthesis: Easy Technique Permitting Preparation of Polymer-Stabilized Nanoparticles with Desired Composition and Structure. *Nanoscale Research Letters*, APR 15, 2011, vol. 6, pp. 343. ISSN 1931-7573.

RUIZ, Patricia, et al. Intermatrix Synthesis of Polymer-Stabilized PGM@Cu Core-Shell Nanoparticles with Enhanced Electrocatalytic Properties. *Reactive & Functional Polymers*, AUG, 2011, vol. 71, no. 8, pp. 916-924. ISSN 1381-5148.



RUIZ, Patricia, et al. Intermatrix Synthesis of Polymer-Copper Nanocomposites with Tunable Parameters by using Copper Comproportionation Reaction. *Chemistry of Materials*, DEC 28, 2010, vol. 22, no. 24, pp. 6616-6623. ISSN 0897-4756.

SAEEDIFARD, M.; IRAVANI, R. and POU, J. Control and DC-Capacitor Voltage Balancing of a Space Vector-Modulated Five-Level STATCOM. *IET Power Electronics*, MAY, 2009, vol. 2, no. 3, pp. 203-215. ISSN 1755-4535.

SAEEDIFARD, Maryam; IRAVANI, Reza and POU, Josep. A Space Vector Modulation Strategy for a Back-to-Back Five-Level HVDC Converter System. *IEEE Transactions on Industrial Electronics*, FEB, 2009, vol. 56, no. 2, pp. 452-466. ISSN 0278-0046.

SAINZ, Luis; and BALCELLS, Josep. Harmonic Interaction Influence due to Current Source Shunt Filters in Networks Supplying Nonlinear Loads. *IEEE Transactions on Power Delivery*, JUL, 2012, vol. 27, no. 3, pp. 1385-1393. ISSN 0885-8977.

SAINZ, Luis, et al. Deterministic and Stochastic Study of Wind Farm Harmonic Currents. *IEEE Transactions on Energy Conversion*, DEC, 2010, vol. 25, no. 4, pp. 1071-1080. ISSN 0885-8969.

SAIZ-ARROYO, Cristina, et al. Moulded Polypropylene Foams Produced using Chemical Or Physical Blowing Agents: Structure-Properties Relationship. *Journal of Materials Science*, AUG, 2012, vol. 47, no. 15, pp. 5680-5692. ISSN 0022-2461.

SALA, M., et al. Influence of Cell Design and Electrode Materials on the Decolouration of Dyeing Effluents. *International Journal of Electrochemical Science*, DEC, 2012, vol. 7, no. 12, pp. 12470-12488. ISSN 1452-3981.

SALA, Mireia; and CARMEN GUTIERREZ-BOUZAN, M. Electrochemical Techniques in Textile Processes and Wastewater Treatment. *International Journal of Photoenergy*, 2012, pp. 629103. ISSN 1110-662X.

SALA, V.; and ROMERAL, L. Theoretical Estimation of Distorting Effects by $t(R_r)$ of Parasitic MOSFET-Diode in DCI-NPC Audio Power Amplifiers. *IET Electronics Express*, MAR 25, 2012, vol. 9, no. 6, pp. 484-490. ISSN 1349-2543.

SALA, V.; ROMERAL, L. and MORENO, M. Theoretical Estimation of Distorting Effects by $t(R_r)$ of Clamp Diodes in DCI-NPC Audio Power Amplifiers. *IET Electronics Express*, 2012, vol. 9, no. 10, pp. 888-894. ISSN 1349-2543.



SALAS-ZAPATA, Walter, et al. Paradigms in the Analysis of Public Health Policies: Limitations and Challenges. *Revista Panamericana De Salud Publica-Pan American Journal of Public Health*, JUL, 2012, vol. 32, no. 1, pp. 77-81. ISSN 1020-4989.

SALAZAR, A., et al. Influence of the Notch Sharpening Technique on the Fracture Toughness of Bulk Ethylene-Propylene Block Copolymers. *Polymer Testing*, FEB, 2010, vol. 29, no. 1, pp. 49-59. ISSN 0142-9418.

SALAZAR, A., et al. Relevance of the Femtolaser Notch Sharpening to the Fracture of Ethylene-Propylene Block Copolymers. *European Polymer Journal*, SEP, 2010, vol. 46, no. 9, pp. 1896-1907. ISSN 0014-3057.

SALAZAR, A., et al. The Role of Notching Damage on the Fracture Parameters of Ethylene-Propylene Block Copolymers. *Polymer Testing*, OCT, 2010, vol. 29, no. 7, pp. 824-831. ISSN 0142-9418.

SALAZAR, Lorena; and CRESPI, Marti. Evaluation of Kinetic Coefficients using Membrane Bioreactor and Active Sludge Process Treating Textile Wastewater. *Desalination and Water Treatment*, JAN, 2010, vol. 13, no. 1-3, pp. 471-478. ISSN 1944-3994.

SANCHEZ-HERNANDEZ, Alfredo, et al. Quantification of Circulating Endothelial Cells (CECs) as a Predictor of Response to Chemotherapy with Platinum and Pemetrexed in Patients with Nonsquamous Non-Small Cell Lung Carcinoma. *Journal of Clinical Oncology*, MAY 20, 2012, vol. 30, no. 15. ISSN 0732-183X.

SANCHEZ-MARTIN, M. J.; RAMON, E. and GARRIGA, P. Improving the Stability of the Visual G-Protein-Coupled Receptor Rhodopsin in DHA Liposomes. *Febs Journal*, SEP, 2012, vol. 279, pp. 471-471. ISSN 1742-464X.

SANCHEZ-MORCILLO, V. J., et al. Propagation of Sound Beams Behind Sonic Crystals. *Physical Review B*, OCT, 2009, vol. 80, no. 13, pp. 134303. ISSN 1098-0121.

SANCHEZ-PENA, Ricardo S.; RACHINAYANI, Phalguna Kumar and BALDELLI, Dario. New Results on Linear Time Invariant and Parameter Varying Static Output Feedback. *Journal of Guidance Control and Dynamics*, SEP-OCT, 2008, vol. 31, no. 5, pp. 1230-1238. ISSN 0731-5090.

SANCHEZ-SOTO, M.; SCHIRALDI, David A. and ILLESCAS, S. Study of the Morphology and Properties of Melt-Mixed Polycarbonate-POSS Nanocomposites. *European Polymer Journal*, FEB, 2009, vol. 45, no. 2, pp. 341-352. ISSN 0014-3057.



SANCHEZ-SOTO, Miguel, et al. Morphology and Thermomechanical Properties of Melt-Mixed Polyoxymethylene/Polyhedral Oligomeric Silsesquioxane Nanocomposites. *Macromolecular Materials and Engineering*, SEP 14, 2010, vol. 295, no. 9, pp. 846-858. ISSN 1438-7492.

SANCRISTOBAL, B.; SANCHO, J. M. and GARCIA-OJALVO, J. Phase-Response Approach to Firing-Rate Selectivity in Neurons with Subthreshold Oscillations. *Physical Review E*, OCT 12, 2010, vol. 82, no. 4, pp. 041908. ISSN 1539-3755.

SANCRISTOBAL, B.; SANCHO, J. M. and GARCIA-OJALVO, J. Resonant Propagation of Spike Trains in Delay-Coupled Neural Subthreshold Oscillators. *European Physical Journal-Special Topics*, SEP, 2010, vol. 187, no. 1, pp.189-197. ISSN 1951-6355.

SANTANA, O. O., et al. Fracture Behaviour of De-Aged Poly(Lactic Acid) Assessed by Essential Work of Fracture and J-Integral Methods. *Polymer Testing*, DEC, 2010, vol. 29, no. 8, pp. 984-990. ISSN 0142-9418.

SANTIAGO MUNOZ-AGUILAR, Raul, et al. Sliding Mode Control of a Stand-Alone Wound Rotor Synchronous Generator. *IEEE Transactions on Industrial Electronics*, OCT, 2011, vol. 58, no. 10, pp. 4888-4897. ISSN 0278-0046.

SCALORA, M., et al. Dynamical Model of Harmonic Generation in Centrosymmetric Semiconductors at Visible and UV Wavelengths. *Physical Review a*, MAY 8, 2012, vol. 85, no. 5, pp. 053809. ISSN 1050-2947.

SCALORA, M., et al. Second- and Third-Harmonic Generation in Metal-Based Structures. *Physical Review a*, OCT 18, 2010, vol. 82, no. 4, pp. 043828. ISSN 1050-2947.

SCHIRALDI, David A., et al. Biobased, Biodegradable polymer/clay Aerogels. *Abstracts of Papers of the American Chemical Society*, AUG 28, 2011, vol. 242. ISSN 0065-7727.

SCHWALGER, Tilo, et al. Interspike-Interval Correlations Induced by Two-State Switching in an Excitable System. *Epl*, JUL, 2012, vol. 99, no. 1, pp. 10004. ISSN 0295-5075.

SCIAMANNA, M., et al. Hopf Bifurcation to Square-Wave Switching in Mutually Coupled Semiconductor Lasers. *Physical Review E*, JUL 30, 2012, vol. 86, no. 1, pp. 016218. ISSN 1539-3755.

SELLARES, J.; DIEGO, J. A. and BELANA, J. A Study of the Glass Transition in the Amorphous Interlamellar Phase of Highly Crystallized Poly(Ethylene Terephthalate). *Journal of Physics D-Applied Physics*, SEP 15, 2010, vol. 43, no. 36, pp. 365402. ISSN 0022-3727.



SELLARES, J., et al. Dielectric Study of the Glass Transition of PET/PEN Blends. *Journal of Physics D-Applied Physics*, DEC 19, 2012, vol. 45, no. 50, pp. 505301. ISSN 0022-3727.

SEN, Shaunak; GARCIA-OJALVO, Jordiand ELOWITZ, Michael B. Dynamical Consequences of Bandpass Feedback Loops in a Bacterial Phosphorelay. *Plos One*, SEP 29, 2011, vol. 6, no. 9, pp. e25102. ISSN 1932-6203.

SENDER PALACIOS, Maria Jose, et al. Ophthalmic Disease in Diabetes Mellitus: Management from Primary Health Care. *Atencion Primaria*, JAN, 2011, vol. 43, no. 1, pp. 41-48. ISSN 0212-6567.

SENTURK, Osman S., et al. Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines. *Ieee Transactions on Power Electronics*, JUL, 2012, vol. 27, no. 7, pp. 3195-3206. ISSN 0885-8993.

SENTURK, Osman S., et al. Converter Structure-Based Power Loss and Static Thermal Modeling of the Press-Pack IGBT Three-Level ANPC VSC Applied to Multi-MW Wind Turbines. *IEEE Transactions on Industry Applications*, NOV-DEC, 2011, vol. 47, no. 6, pp. 2505-2515. ISSN 0093-9994.

SERRAT, C.; and BIEGERT, J. Enhancement of HHG Yield. *Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment*, OCT 11, 2011, vol. 653, no. 1, pp. 134-136. ISSN 0168-9002.

SERRAT, Carles. Control of High-Order Harmonics for Attoscience using a Static-Electric-Field Pattern. *Physical Review a*, DEC 27, 2011, vol. 84, no. 6, pp. 061803. ISSN 1050-2947.

SHENG, Yan, et al. Theoretical Study of Cerenkov-Type Second-Harmonic Generation in Periodically Poled Ferroelectric Crystals. *Journal of the Optical Society of America B-Optical Physics*, MAR 1, 2012, vol. 29, no. 3, pp. 312-318. ISSN 0740-3224.

SHENG, Yan, et al. Tailoring Cerenkov Second-Harmonic Generation in Bulk Nonlinear Photonic Crystal. *Optics Letters*, JUL 1, 2011, vol. 36, no. 13, pp. 2593-2595. ISSN 0146-9592.

SHENG, Yan, et al. Multi-Directional Cerenkov Second Harmonic Generation in Two-Dimensional Nonlinear Photonic Crystal. *Optics Express*, FEB 13, 2012, vol. 20, no. 4, pp. 3948-3953. ISSN 1094-4087.

SHENG, Yan, et al. Third-Harmonic Generation Via Nonlinear Raman-Nath Diffraction in Nonlinear Photonic Crystal. *Optics Letters*, AUG 15, 2011, vol. 36, no. 16, pp. 3266-3268. ISSN 0146-9592.



SHENG, Yan, et al. Cerenkov Third-Harmonic Generation in Chi((2)) Nonlinear Photonic Crystal. *Applied Physics Letters*, JUN 13, 2011, vol. 98, no. 24, pp. 241114. ISSN 0003-6951.

SKIRTENKO, Natalia, et al. One-Step Preparation of Multifunctional Chitosan Microspheres by a Simple Sonochemical Method. *Chemistry-a European Journal*, 2010, vol. 16, no. 2, pp. 562-567. ISSN 0947-6539.

SOLE, Ricard V., et al. Robustness of the European Power Grids Under Intentional Attack. *Physical Review E*, FEB, 2008, vol. 77, no. 2, pp. 026102. ISSN 1539-3755.

SOLIVERES, E., et al. Simultaneous Self-Collimation of Fundamental and Second-Harmonic in Sonic Crystals. *Applied Physics Letters*, OCT 10, 2011, vol. 99, no. 15, pp. 151905. ISSN 0003-6951.

SOLIVERES, Ester, et al. Self Collimation of Ultrasound in a Three-Dimensional Sonic Crystal. *Applied Physics Letters*, APR 20, 2009, vol. 94, no. 16, pp. 164101. ISSN 0003-6951.

SOLORZANO, Eusebio, et al. Optical Expandometry: A Technique to Analyze the Expansion Kinetics of Chemically Blown Thermoplastic Foams. *Journal of Applied Polymer Science*, JUL 15, 2012, vol. 125, no. 2, pp. 1059-1067. ISSN 0021-8995.

SPRINZAK, David, et al. Cis-Interactions between Notch and Delta Generate Mutually Exclusive Signalling States. *Nature*, MAY 6, 2010, vol. 465, no. 7294, pp. 86-U95. ISSN 0028-0836.

STALIUNAS, K.; HERRERO, R. and VILASECA, R. Subdiffraction and Spatial Filtering due to Periodic Spatial Modulation of the Gain-Loss Profile. *Physical Review a*, JUL, 2009, vol. 80, no. 1, pp. 013821. ISSN 1050-2947.

STALIUNAS, K.; and LONGHI, S. Subdiffractive Solitons of Bose-Einstein Condensates in Time-Dependent Optical Lattices. *Physical Review a*, SEP, 2008, vol. 78, no. 3, pp. 033606. ISSN 1050-2947.

STALIUNAS, Kestutis. Removal of Excitations of Bose-Einstein Condensates by Space- and Time-Modulated Potentials. *Physical Review a*, JUL 29, 2011, vol. 84, no. 1, pp. 013626. ISSN 1050-2947.

STALIUNAS, Kestutis, et al. Noise-Induced Phase Bistability Via Stochastic Rocking. *Physical Review Letters*, JAN 9, 2009, vol. 102, no. 1, pp. 010601. ISSN 0031-9007.



STALIUNAS, Kestutis; DE VALCARCEL, German J. and ROLDAN, Eugenio. Bistable Phase Locking in a Laser with Injected Signal. *Physical Review a*, AUG, 2009, vol. 80, no. 2, pp. 025801. ISSN 1050-2947.

STALIUNAS, Kestutis, et al. Bloch Cavity Solitons in Nonlinear Resonators with Intracavity Photonic Crystals. *Physical Review Letters*, OCT 10, 2008, vol. 101, no. 15, pp. 153903. ISSN 0031-9007.

STALIUNAS, Kestutis; HERRERO, Ramon and DE VALCARCEL, German J. Diffraction Management and Sub-Diffractive Solitons in Periodically Driven Bose-Einstein Condensates. *Physica D-Nonlinear Phenomena*, JUL 15, 2009, vol. 238, no. 15, pp. 1326-1337. ISSN 0167-2789.

STALIUNAS, Kestutis; and SANCHEZ-MORCILLO, Victor J. Spatial Filtering of Light by Chirped Photonic Crystals. *Physical Review a*, MAY, 2009, vol. 79, no. 5, pp. 053807. ISSN 1050-2947.

SUKOW, David W., et al. Square-Wave Switching in Vertical-Cavity Surface-Emitting Lasers with Polarization-Rotated Optical Feedback: Experiments and Simulations. *Physical Review a*, SEP 12, 2012, vol. 86, no. 3, pp. 033818. ISSN 1050-2947.

SUSANA TORRE, Maria; and MASOLLER, Cristina. Dynamical Hysteresis and Thermal Effects in Vertical-Cavity Surface-Emitting Lasers. *IEEE Journal of Quantum Electronics*, DEC, 2010, vol. 46, no. 12, pp. 1788-1794. ISSN 0018-9197.

SUUL, Jon Are, et al. Voltage-Sensor-Less Synchronization to Unbalanced Grids by Frequency-Adaptive Virtual Flux Estimation. *IEEE Transactions on Industrial Electronics*, JUL, 2012, vol. 59, no. 7, pp. 2910-2923. ISSN 0278-0046.

TAPIAS, Montserrat; RALLO, Miquel and ESCOFET, Jaume. Automatic Measurements of Partial Cover Factors and Yarn Diameters in Fabrics using Image Processing. *Textile Research Journal*, JAN, 2011, vol. 81, no. 2, pp. 173-186. ISSN 0040-5175.

TAPIAS, Montserrat, et al. Objective Measure of Woven Fabric's Cover Factor by Image Processing. *Textile Research Journal*, JAN, 2010, vol. 80, no. 1, pp. 35-44. ISSN 0040-5175.

TIANA-ALSINA, J., et al. Dual-Lag Synchronization between Coupled Chaotic Lasers due to Path-Delay Interference. *Chaos*, DEC, 2011, vol. 21, no. 4, pp. 043102. ISSN 1054-1500.

TIANA-ALSINA, J., et al. Zero-Lag Synchronization and Bubbling in Delay-Coupled Lasers. *Physical Review E*, FEB 21, 2012, vol. 85, no. 2, pp. 026209. ISSN 1539-3755.



TIANA-ALSINA, J., et al. Quantifying the Statistical Complexity of Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback. *Physical Review a*, JUL 19, 2010, vol. 82, no. 1, pp. 013819. ISSN 1050-2947.

TIANA-ALSINA, Jordi, et al. Quantifying Stochasticity in the Dynamics of Delay-Coupled Semiconductor Lasers Via Forbidden Patterns. *Philosophical Transactions of the Royal Society A-Mathematical Physical and Engineering Sciences*, JAN 28, 2010, vol. 368, no. 1911, pp. 367-377. ISSN 1364-503X.

TIMBUS, Adrian, et al. Evaluation of Current Controllers for Distributed Power Generation Systems. *Ieee Transactions on Power Electronics*, MAR-APR, 2009, vol. 24, no. 3-4, pp. 654-664. ISSN 0885-8993.

TINGAUD-SEQUEIRA, Angele, et al. Structural and Functional Divergence of Two Fish Aquaporin-1 Water Channels Following Teleost-Specific Gene Duplication. *Bmc Evolutionary Biology*, SEP 23, 2008, vol. 8, pp. 259. ISSN 1471-2148.

TOLEDO, Darwin, et al. Molecular Mechanisms of Disease for Mutations at Gly-90 in Rhodopsin. *Journal of Biological Chemistry*, NOV 18, 2011, vol. 286, no. 46, pp. 39993-40001. ISSN 0021-9258.

TORNIL-SIN, S., et al. Admissible Model Matching using D-R-Regions Fault Accommodation and Robustness Against FDD Inaccuracies. *International Journal of Adaptive Control and Signal Processing*, NOV, 2010, vol. 24, no. 11, pp. 927-943. ISSN 0890-6327.

TORNIL-SIN, Sebastian, et al. Robust Fault Detection of Non-Linear Systems using Set-Membership State Estimation Based on Constraint Satisfaction. *Engineering Applications of Artificial Intelligence*, FEB, 2012, vol. 25, no. 1, pp. 1-10. ISSN 0952-1976.

TORRADES, Francesc; ANTONIO GARCIA-HORTAL, Joseand NUNEZ, Lluís. Fenton and Photo-Fenton Oxidation of a Model Mixture of Dyes - overall Kinetic Analysis. *Coloration Technology*, 2008, vol. 124, no. 6, pp. 370-374. ISSN 1472-3581.

TORRADES, Francesc; SAIZ, Samueland ANTONIO GARCIA-HORTAL, Jose. Using Central Composite Experimental Design to Optimize the Degradation of Black Liquor by Fenton Reagent. *Desalination*, MAR 1, 2011, vol. 268, no. 1-3, pp. 97-102. ISSN 0011-9164.

TORRADES, Francesc, et al. Degradation of Wheat Straw Black Liquor by Fenton and Photo-Fenton Processes. *Environmental Engineering Science*, JAN-FEB, 2008, vol. 25, no. 1, pp. 92-98. ISSN 1092-8758.



TORRE, M. S.; and MASOLLER, C. Polarization-Resolved Modulation Response of Single-Transverse-Mode Vertical-Cavity Surface-Emitting Lasers. *IEEE Journal of Quantum Electronics*, JAN-FEB, 2009, vol. 45, no. 1-2, pp. 206-212. ISSN 0018-9197.

TORRE, Maria S.; GAVRIELIDES, Athanasios and MASOLLER, Cristina. Numerical Characterization of Transient Polarization Square-Wave Switching in Two Orthogonally Coupled VCSELs. *Optics Express*, OCT 10, 2011, vol. 19, no. 21, pp. 20269-20278. ISSN 1094-4087.

TORRENT-BURGUES, J. Phase Separation in Mixed Monolayers of Arachidic Acid and a Phthalocyanine of Zinc. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, FEB 20, 2012, vol. 396, pp. 137-143. ISSN 0927-7757.

TORRENT-BURGUES, J.; ONCINS, G. and SANZ, F. Study of Mixed Langmuir and Langmuir-Blodgett Films of Dissimilar Components by AFM and Force Spectroscopy. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, MAY 15, 2008, vol. 321, no. 1-3, pp. 70-75. ISSN 0927-7757.

TORRENT-BURGUES, J., et al. Synthesis, Langmuir and Langmuir-Blodgett Films of a Calix[7]Arene Ethyl Ester. *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, MAY 5, 2012, vol. 401, pp. 137-147. ISSN 0927-7757.

TORRENTS, Aurora; BOFILL, Francesc and CARDONA, Genis. Suitability of School Textbooks for 5 to 7 Year Old Children with Colour Vision Deficiencies. *Learning and Individual Differences*, OCT, 2011, vol. 21, no. 5, pp. 607-612. ISSN 1041-6080.

TRIAS, F. X., et al. Direct Numerical Simulation of a Differentially Heated Cavity of Aspect Ratio 4 with Rayleigh Numbers Up to 10^{11} - Part I: Numerical Methods and Time-Averaged Flow. *International Journal of Heat and Mass Transfer*, JAN 31, 2010, vol. 53, no. 4, pp. 665-673. ISSN 0017-9310.

TRIAS, F. X., et al. Direct Numerical Simulation of a Differentially Heated Cavity of Aspect Ratio 4 with Rayleigh Numbers Up to 10^{11} - Part II: Heat Transfer and Flow Dynamics. *International Journal of Heat and Mass Transfer*, JAN 31, 2010, vol. 53, no. 4, pp. 674-683. ISSN 0017-9310.

TRIAS, F. X.; and LEHMKUHL, O. A Self-Adaptive Strategy for the Time Integration of Navier-Stokes Equations. *Numerical Heat Transfer Part B-Fundamentals*, 2011, vol. 60, no. 2, pp. 116-134. ISSN 1040-7790.



TRIAS, F. X.; and VERSTAPPEN, R. W. C. P. On the Construction of Discrete Filters for Symmetry-Preserving Regularization Models. *Computers & Fluids*, JAN, 2011, vol. 40, no. 1, pp. 139-148. ISSN 0045-7930.

TRIAS, F. X., et al. Parameter-Free Symmetry-Preserving Regularization Modeling of a Turbulent Differentially Heated Cavity. *Computers & Fluids*, DEC, 2010, vol. 39, no. 10, pp. 1815-1831. ISSN 0045-7930.

TRULL, J., et al. Formation of Collimated Beams Behind the Woodpile Photonic Crystal. *Physical Review a*, SEP 9, 2011, vol. 84, no. 3, pp. 033812. ISSN 1050-2947.

TRULL, J., et al. Characterization of Femtosecond Pulses Via Transverse Second-Harmonic Generation in Random Nonlinear Media. *Applied Physics B-Lasers and Optics*, JUN, 2009, vol. 95, no. 3, pp. 609-615. ISSN 0946-2171.

TURCOTTE, Marc; GARCIA-OJALVO, Jordiand SUEEL, Guerol M. A Genetic Timer through Noise-Induced Stabilization of an Unstable State. *Proceedings of the National Academy of Sciences of the United States of America*, OCT 14, 2008, vol. 105, no. 41, pp. 15732-15737. ISSN 0027-8424.

ULLNER, Ekkehard, et al. Noise-Induced Coherence in Multicellular Circadian Clocks. *Biophysical Journal*, MAY 6, 2009, vol. 96, no. 9, pp. 3573-3581. ISSN 0006-3495.

ULLNER, Ekkehard, et al. Multistability of Synthetic Genetic Networks with Repressive Cell-to-Cell Communication. *Physical Review E*, SEP, 2008, vol. 78, no. 3, pp. 031904. ISSN 1539-3755.

URRESTY, Julio-Cesar; RIBA, Jordi-Rogerand ROMERAL, Luis. Application of the Zero-Sequence Voltage Component to Detect Stator Winding Inter-Turn Faults in PMSMs. *Electric Power Systems Research*, AUG, 2012, vol. 89, pp. 38-44. ISSN 0378-7796.

URRESTY, Julio-Cesar, et al. A Simple 2-D Finite-Element Geometry for Analyzing Surface-Mounted Synchronous Machines with Skewed Rotor Magnets. *IEEE Transactions on Magnetism*, NOV, 2010, vol. 46, no. 11, pp. 3948-3954. ISSN 0018-9464.

VALDERRAMA, C., et al. Winery Wastewater Treatment for Water Reuse Purpose: Conventional Activated Sludge Versus Membrane Bioreactor (MBR) A Comparative Case Study. *Desalination*, NOV 15, 2012, vol. 306, pp. 1-7. ISSN 0011-9164.

VALDERRAMA, Cesar, et al. Solar Energy Storage by Salinity Gradient Solar Pond: Pilot Plant Construction and Gradient Control. *Desalination*, SEP 15, 2011, vol. 279, no. 1-3, pp. 445-450. ISSN 0011-9164.



VALDERRAMA, Cesar, et al. Implementation of Best Available Techniques in Cement Manufacturing: A Life-Cycle Assessment Study. *Journal of Cleaner Production*, APR, 2012, vol. 25, pp. 60-67. ISSN 0959-6526.

VALLS, Cristina, et al. Comparing the Efficiency of the Laccase-NHA and Laccase-HBT Systems in Eucalyptus Pulp Bleaching. *Biochemical Engineering Journal*, MAY 15, 2010, vol. 49, no. 3, pp. 401-407. ISSN 1369-703X.

VALLS, Cristina, et al. Performance of New and Commercial Xylanases for ECF and TCF Bleaching of Eucalyptus Kraft Pulp. *Wood Science and Technology*, AUG, 2011, vol. 45, no. 3, pp. 433-448. ISSN 0043-7719.

VALLS, Cristina, et al. New Xylanases to Obtain Modified Eucalypt Fibres with High-Cellulose Content. *Bioresource Technology*, OCT, 2010, vol. 101, no. 19, pp. 7439-7445. ISSN 0960-8524.

VALLS, Cristina, et al. Influence of Operation Conditions on Laccase-Mediator Removal of Sterols from Eucalypt Pulp. *Process Biochemistry*, SEP, 2009, vol. 44, no. 9, pp. 1032-1038. ISSN 1359-5113.

VALLS, Cristina; QUINTANA, Elisabetand RONCERO, M. Blanca. Assessing the Environmental Impact of Biobleaching: Effects of the Operational Conditions. *Bioresource Technology*, JAN, 2012, vol. 104, pp. 557-564. ISSN 0960-8524.

VALLS, Cristina; and RONCERO, M. Blanca. Using both Xylanase and Laccase Enzymes for Pulp Bleaching. *Bioresource Technology*, MAR, 2009, vol. 100, no. 6, pp. 2032-2039. ISSN 0960-8524.

VALLS, Cristina; VIDAL, Teresaand BLANCA RONCERO, M. Boosting the Effect of a Laccase-Mediator System by using a Xylanase Stage in Pulp Bleaching. *Journal of Hazardous Materials*, MAY 15, 2010, vol. 177, no. 1-3, pp. 586-592. ISSN 0304-3894.

VALLS, Cristina; VIDAL, Teresaand BLANCA RONCERO, M. The Role of Xylanases and Laccases on Hexenuronic Acid and Lignin Removal. *Process Biochemistry*, MAR, 2010, vol. 45, no. 3, pp. 425-430. ISSN 1359-5113.

VALLS, Cristina, et al. Obtaining Low-HexA-Content Cellulose from Eucalypt Fibres: Which Glycosil Hydrolase Family is More Efficient?. *Carbohydrate Polymers*, MAR 25, 2010, vol. 80, no. 1, pp. 154-160. ISSN 0144-8617.



VAN DER VELDE, Oscar A., et al. Multi-Instrumental Observations of a Positive Gigantic Jet Produced by a Winter Thunderstorm in Europe. *Journal of Geophysical Research-Atmospheres*, DEC 16, 2010, vol. 115, pp. D24301. ISSN 2169-897X.

VAN DER VELDE, Oscar A., et al. Spatial and Temporal Evolution of Horizontally Extensive Lightning Discharges Associated with Sprite-Producing Positive Cloud-to-Ground Flashes in Northeastern Spain. *Journal of Geophysical Research-Space Physics*, SEP 28, 2010, vol. 115, pp. A00E56. ISSN 0148-0227.

VASQUEZ, Juan C., et al. Adaptive Droop Control Applied to Voltage-Source Inverters Operating in Grid-Connected and Islanded Modes. *IEEE Transactions on Industrial Electronics*, OCT, 2009, vol. 56, no. 10, pp. 4088-4096. ISSN 0278-0046.

VEGA, Fidel; ALBA-BUENO, Francisco and MILLAN, Maria S. Energy Distribution between Distance and Near Images in Apodized Diffractive Multifocal Intraocular Lenses. *Investigative Ophthalmology & Visual Science*, JUL, 2011, vol. 52, no. 8, pp. 5695-5701. ISSN 0146-0404.

VEGA, Fidel; MILLAN, Maria S. and WELLS, Benjamin. Spherical Lens Versus Aspheric Artificial Cornea for Intraocular Lens Testing. *Optics Letters*, MAY 15, 2010, vol. 35, no. 10, pp. 1539-1541. ISSN 0146-9592.

VELEZ DE MENDIZABAL, Nieves, et al. Modeling the Effector - Regulatory T Cell Cross-Regulation Reveals the Intrinsic Character of Relapses in Multiple Sclerosis. *Bmc Systems Biology*, JUL 15, 2011, vol. 5, pp. 114. ISSN 1752-0509.

VILA RAMIREZ, Narciso; and SANCHEZ-SOTO, Miguel. Effects of POSS Nanoparticles on ABS-g-Ma Thermo Oxidation Resistance. *Polymer Composites*, OCT, 2012, vol. 33, no. 10, pp. 1707-1718. ISSN 0272-8397.

VILA RAMIREZ, Narciso; SANCHEZ-SOTO, Miguel and ILLESCAS, Silvia. Enhancement of POM Thermooxidation Resistance through POSS Nanoparticles. *Polymer Composites*, OCT, 2011, vol. 32, no. 10, pp. 1584-1592. ISSN 0272-8397.

VILA, Carlos, et al. Use of Thermogravimetric Analysis to Monitor the Effects of Natural Laccase Mediators on Flax Pulp. *Bioresource Technology*, JUN, 2011, vol. 102, no. 11, pp. 6554-6561. ISSN 0960-8524.

VILASECA, Merce, et al. Biological Treatment of a Textile Effluent After Electrochemical Oxidation of Reactive Dyes. *Water Environment Research*, FEB, 2010, vol. 82, no. 2, pp. 176-182. ISSN 1061-4303.



VILASECA, Meritxell, et al. Optical Quality of Foldable Monofocal Intraocular Lenses before and After Injection Comparative Evaluation using a Double-Pass System. *Journal of Cataract and Refractive Surgery*, AUG, 2009, vol. 35, no. 8, pp. 1415-1423. ISSN 0886-3350.

VILASECA, Meritxell, et al. Grading Nuclear, Cortical and Posterior Subcapsular Cataracts using an Objective Scatter Index Measured with a Double-Pass System. *British Journal of Ophthalmology*, SEP, 2012, vol. 96, no. 9, pp. 1204-1210. ISSN 0007-1161.

VILASECA, Meritxell, et al. Characterization of the Human Iris Spectral Reflectance with a Multispectral Imaging System. *Applied Optics*, OCT 20, 2008, vol. 47, no. 30, pp. 5622-5630. ISSN 0003-6935.

VILASECA, Meritxell, et al. Effect of Laser in Situ Keratomileusis on Vision Analyzed using Preoperative Optical Quality. *Journal of Cataract and Refractive Surgery*, NOV, 2010, vol. 36, no. 11, pp. 1945-1953. ISSN 0886-3350.

VILASECA, Meritxell, et al. Optical Quality One Month After Verisyse and Veriflex Phakic IOL Implantation and Zeiss MEL 80 LASIK for Myopia from 5.00 to 16.50 Diopters. *Journal of Refractive Surgery*, AUG, 2009, vol. 25, no. 8, pp. 689-698. ISSN 1081-597X.

VILASECA, Meritxell, et al. Intra- and Intersession Repeatability of a Double-Pass Instrument. *Optometry and Vision Science*, SEP, 2010, vol. 87, no. 9, pp. 675-681. ISSN 1040-5488.

VINCENTI, M. A., et al. Harmonic Generation in Metallic, GaAs-Filled Nanocavities in the Enhanced Transmission Regime at Visible and UV Wavelengths. *Optics Express*, JAN 31, 2011, vol. 19, no. 3, pp. 2064-2078. ISSN 1094-4087.

VIRTO, L., et al. Heating of Saturated Porous Media in Practice: Several Causes of Local Thermal Non-Equilibrium. *International Journal of Heat and Mass Transfer*, NOV, 2009, vol. 52, no. 23-24, pp. 5412-5422. ISSN 0017-9310.

VISA, Teresa, et al. Photocatalysis with Titanium Dioxide to Remove Colour of Exhausted Reactive Dye baths without pH Modification. *Desalination and Water Treatment*, JUL, 2012, vol. 45, no. 1-3, pp. 91-99. ISSN 1944-3994.

VISSER, Andre W.; MARIANI, Patrizio and PIGOLOTTI, Simone. Adaptive Behaviour, Tri-Trophic Food-Web Stability and Damping of Chaos. *Journal of the Royal Society Interface*, JUN 7, 2012, vol. 9, no. 71, pp. 1373-1380. ISSN 1742-5689.

VUONG, Luat T., et al. Cavity-Controlled Radiative Recombination of Excitons in Thin-Film Solar Cells. *Applied Physics Letters*, DEC 7, 2009, vol. 95, no. 23, pp. 233106. ISSN 0003-6951.



WANG, W., et al. Third-Harmonic Generation Via Broadband Cascading in Disordered Quadratic Nonlinear Media. *Optics Express*, OCT 26, 2009, vol. 17, no. 22, pp. 20117-20123. ISSN 1094-4087.

WANG, Wenjie, et al. Second- and Third-Harmonic Parametric Scattering in Disordered Quadratic Media. *Journal of Physics B-Atomic Molecular and Optical Physics*, NOV 14, 2010, vol. 43, no. 21, pp. 215404. ISSN 0953-4075.

YAO, Can; RODRIGUEZ, Francisco J. and MARTORELL, Jordi. Controlling the Diffused Nonlinear Light Generated in Random Materials. *Optics Letters*, MAY 15, 2012, vol. 37, no. 10, pp. 1676-1678. ISSN 0146-9592.

ZABIT, U., et al. Adaptive Self-Mixing Vibrometer Based on a Liquid Lens. *Optics Letters*, APR 15, 2010, vol. 35, no. 8, pp. 1278-1280. ISSN 0146-9592.

ZAMORA-MUNT, J.; and MASOLLER, C. Numerical Implementation of a VCSEL-Based Stochastic Logic Gate Via Polarization Bistability. *Optics Express*, AUG 2, 2010, vol. 18, no. 16, pp. 16418-16429. ISSN 1094-4087.

ZAMORA-MUNT, J.; and MASOLLER, C. Generation of Optical Pulses in VCSELs Below the Static Threshold using Asymmetric Current Modulation. *Optics Express*, OCT 27, 2008, vol. 16, no. 22, pp. 17848-17853. ISSN 1094-4087.

ZAMORA-MUNT, J.; MASOLLER, C. and GARCIA-OJALVO, J. Transient Low-Frequency Fluctuations in Semiconductor Lasers with Optical Feedback. *Physical Review a*, MAR, 2010, vol. 81, no. 3, pp. 033820. ISSN 1050-2947.

ZAMORA-MUNT, Jordi, et al. Crowd Synchrony and Quorum Sensing in Delay-Coupled Lasers. *Physical Review Letters*, DEC 22, 2010, vol. 105, no. 26, pp. 264101. ISSN 0031-9007.

ZAMORA-MUNT, Jordi; and OTT, Edward. Double Transition to Synchronization: A Generic Emergent Transitional Behavior in Large Systems of Coupled Oscillators. *Epl*, MAY, 2012, vol. 98, no. 4, pp. 40007. ISSN 0295-5075.

ZARAGOZA, Jordi, et al. Study and Experimental Verification of Control Tuning Strategies in a Variable Speed Wind Energy Conversion System. *Renewable Energy*, MAY, 2011, vol. 36, no. 5, pp. 1421-1430. ISSN 0960-1481.



ZARAGOZA, Jordi, et al. A Comprehensive Study of a Hybrid Modulation Technique for the Neutral-Point-Clamped Converter. *IEEE Transactions on Industrial Electronics*, FEB, 2009, vol. 56, no. 2, pp. 294-304. ISSN 0278-0046.

ZARAGOZA, Jordi, et al. Voltage-Balance Compensator for a Carrier-Based Modulation in the Neutral-Point-Clamped Converter. *IEEE Transactions on Industrial Electronics*, FEB, 2009, vol. 56, no. 2, pp. 305-314. ISSN 0278-0046.

ZELATI, Michele Coti; PATA, Vittorino and QUINTANILLA, Ramon. Regular Global Attractors of Type III Thermoelastic Extensible Beams. *Chinese Annals of Mathematics Series B*, SEP, 2010, vol. 31, no. 5, pp. 619-630. ISSN 0252-9599.

ZHANG, Hao, et al. Numerical Investigation of the Location of Maximum Erosive Wear Damage in Elbow: Effect of Slurry Velocity, Bend Orientation and Angle of Elbow. *Powder Technology*, FEB, 2012, vol. 217, pp. 467-476. ISSN 0032-5910.



Aquesta obra està sota la [llicència Creative Commons Reconeixement-NoComercial 3.0 Espanya](https://creativecommons.org/licenses/by-nc/3.0/es/).

Articles indexats publicats per investigadors del Campus de Terrassa, 2012: nota metodològica

Aquest informe ha estat elaborat a partir de les publicacions incloses a la base de dades Web of Science.

Aquest recurs recull els articles d'investigadors del Campus de Terrassa de la UPC que compleixin les condicions següents:

- Hagin estat publicats durant l'any 2012.
- Els autors signin com a investigadors del Campus de Terrassa de la UPC o d'alguna de les seves escoles¹.
- Pertanyin a alguna revista indexada al JCR (Journal Citation Reports) en l'edició del 2012.

Els resultats obtinguts han estat tractats amb un gestor de referències (RefWorks) per a la presentació de la bibliografia.

Els diferents informes presentats en aquest recurs s'han generat a partir de l'aplicació de les opcions "Analyze Results" i "Create Citation Report" als resultats obtinguts.

Per a cada autor del Campus s'ha afegit un enllaç a la fitxa de l'investigador al [Portal de la Producció Científica de la UPC](#). Per a cada article s'ha afegit, sempre que ha estat possible, un enllaç al DOI de la publicació.

La manca d'algun article en aquest recull pot estar causada per alguna d'aquestes causes:

- Articles que no hagin estat incorporats a la base de dades Web of Science (ISI).
- Articles en què no apareix la menció del Campus de Terrassa a la signatura dels autors.
- Errades en la indexació a la base de dades.

En cas de detectar alguna errada o mancança us podeu posar en contacte amb biblioteca.campus.terrassa@upc.edu.

¹ La cerca efectuada és la següent:

```
(AD=(((colon OR colom) NOT VALENCIA) AND ("Tech Univ Catalonia" OR UPC OR "Univ Politecn Catalun*" OR "UNIV POLITECN BARCELONA" OR "POLYTECH UNIV CATALONIA" OR "ESCUELA TECN SUPER INGN IND" OR "ESCOLA TECN SUPER ENGN IND" OR "ESCOLA UNIV OPT" OR ETSIIT OR "INST INVEST TEXT*" OR INTEXTER OR ETSEIT OR ETSEIAT OR EUOOT OR EUETIT OR "POLYTECHN UNIV CATALONIA" OR "UNIV POLITECN" OR "UNIV POLITECH BARCELONA" OR "CATALONIAN POLITECH UNIV" OR cd6 OR EET OR FOOT)) NOT AD=(terrassa OR tarrasa OR 08222)) OR (AD=((Terrassa OR Tarrasa OR 08222) AND ("Tech Univ Catalonia" OR "Univ Politecn Catalunya" OR UPC OR "UNIV POLITECN CATALUNA" OR "UNIV POLITECN BARCELONA" OR "POLYTECH UNIV CATALONIA" OR "ESCUELA TECN SUPER INGN IND" OR "ESCOLA TECN SUPER ENGN IND" OR "ESCOLA UNIV OPT" OR ETSIIT OR "INST INVEST TEXT*" OR INTEXTER OR ETSEIT OR ETSEIAT OR EUOOT OR EUETIT OR "POLYTECHN UNIV CATALONIA" OR "UNIV POLITECH BARCELONA" OR "UNIV POLITECN" OR "CATALONIAN POLITECH UNIV" OR cd6 OR EET OR FOOT)))
```