

# articles publicats per investigadors de l'ETSEIB

Producció científica  
a Futur

2015



# Sumari

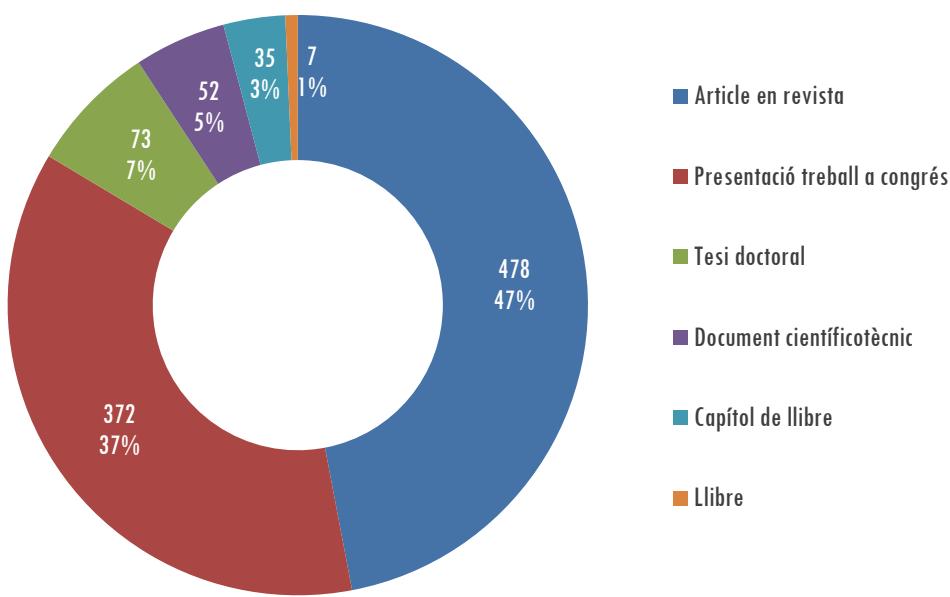
Introducció	3
Articles	4
Autors	35
Departaments	45
Revistes	57
Revistes amb més impacte	81

# introducció

Aquest informe recull els 478 articles publicats pel personal docent i investigador de l'Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB) durant l'any 2015 i introduïts a DRAC (Descriptor de la Recerca Acadèmica).

La metodologia ha consistit en l'extracció de Futur de la producció científica de tot el PDI adscrit a l'ETSEIB, limitant la cerca a l'any 2015 i als articles de revista. Aquesta extracció es va fer el dia 2.06.2016, per tant, si s'han entrat articles a posteriori, no s'han inclòs a l'informe.

En el moment d'extreure les dades, s'havien introduït a DRAC un total de 1.017 activitats de l'any 2015 corresponents al PDI adscrit a l'ETSEIB. D'aquestes, 478 corresponen a articles de revista, i la resta a d'altres activitats tal i com es pot veure al següent gràfic:



Per a l'elaboració de l'informe, les referències dels 478 articles s'han cercat a la base de dades Web of Knowledge. Dels 478 articles, 406 han estat publicats en revistes indexades a Web of Science, el que suposa un 85% del total d'articles publicats.

Els resultats obtinguts han estat tractats amb un gestor de referències (Mendeley Premium) per a la presentació de la bibliografia. Per a cada autor de l'ETSEIB s'ha afegit un enllaç a la fitxa de l'investigador al portal Futur. Per a cada article s'ha afegit, sempre que ha estat possible, un enllaç directe a l'article.

En cas de detectar alguna errada o mancança us podeu posar en contacte amb [biblioteca.etseib@upc.edu](mailto:biblioteca.etseib@upc.edu).

# articles

Aquest apartat recull els 478 articles publicats pel personal docent i investigador de l'ETSEIB durant l'any 2014 i introduïts a DRAC.

1. C. Acebo, M. Alorda, F. Fer, X. Fernandez-Francos, À. Serra, J. Morancho, J. Salla, and X. Ramis, “[Epoxy/anhydride thermosets modified with end-capped star polymers with poly\(ethyleneimine\) cores of different molecular weight and poly\(epsilon-caprolactone\) arms](#),” *Express Polym. Lett.*, vol. 9, no. 9, pp. 809–823, 2015.
2. C. Acebo, X. Fernandez-Francos, S. de la Flor, X. Ramis, and À. Serra, “[New anhydride/epoxy thermosets based on diglycidyl ether of bisphenol A and 10-undecenoyl modified poly\(ethyleneimine\) with improved impact resistance](#),” *Prog. Org. coatings*, vol. 85, no. August, pp. 52–59, 2015.
3. C. Acebo, X. Fernandez-Francos, J. Santos, M. Messori, X. Ramis, and À. Serra, “[Hybrid epoxy networks from ethoxysilyl-modified hyperbranched poly\(ethyleneimine\) and inorganic reactive precursors](#),” *Eur. Polym. J.*, vol. 70, pp. 18–27, 2015.
4. F. J. Acosta, J. Subirana, J. L. Campos, and E. Alechaga, “[Structure of the DNA duplex d\(ATTAAT\)\(2\) with Hoogsteen hydrogen bonds](#),” *PLoS One*, vol. 10, no. 3, p. 9, 2015.
5. F. J. Acosta, J. Subirana, J. Pous, R. Sanchez-Giraldo, N. Condom, R. Baldini, J. L. Campos, and L. Malinina, “[Polymorphic crystal structures of an all-AT DNA dodecamer](#),” *Biopolymers*, vol. 103, no. 3, pp. 123–133, 2015.
6. P. Acosta-Humànez, J. T. Lazaro, J. Morales, and C. Pantazi, “[On the integrability of polynomial vector fields in the plane by means of Picard-Vessiot theory](#),” *Discrete Contin. Dyn. Syst. Ser. A*, vol. 35, no. 5, pp. 1767–1800, 2015.
7. A. Afsordegan, M. Sanchez, N. Agell, G. Gamboa, and L. V Cremades, “[Using linguistic descriptions with multi-criteria decision aid approaches in urban energy systems](#),” *BDC - Boletino del Cent. Calza Bini*, vol. 14, no. 2, pp. 285–300, 2015.
8. M. Aguilar Perez, “[Engineering lecturers' views on CLIL and EMI](#),” *Int. J. Biling. Educ. Biling.*, 2015.
9. F. Ahmad, E. Tohidi, M. Ullah, and J. Carrasco, “[Higher order multi-step Jarratt-like method for solving systems of nonlinear equations: application to PDEs and ODEs](#),” *Comput. Math. with Appl.*, vol. 70, no. 4, pp. 624–636, 2015.
10. G. Aiello, C. Mistrangelo, L. Buehler, E. Mas de les Valls, J. Aubert, A. Li-Puma, D. Rapisarda, and A. Del Nevo, “[MHD issues related to the use of Lithium Lead eutectic as breeder material for blankets of fusion power plants](#),” *Magnetohydrodynamics*, vol. 51, no. 2, pp. 185–193, 2015.
11. I. Ajaxon, Y. Maazouz, M. P. Ginebra, C. Ohman, and C. Persson, “[Evaluation of a porosity measurement method for wet calcium phosphate cements](#),” *J. Biomater. Appl.*, vol. 30, no. 5, pp. 526–536, 2016.
12. Z. Akbari, H. Mirzadeh, and J. Cabrera, “[A simple constitutive model for predicting flow stress of medium carbon microalloyed steel during hot deformation](#),” *Mater. Des.*, vol. 77, pp. 126–131, 2015.
13. M. Albertini, M. Fernandez, P. Lázaro, M. Herrero-Climent, J. Ríos, P. Bullón, and F. J. Gil, “[Advances in surfaces and osseointegration in implantology. Biomimetic surfaces](#),” *Med. oral Patol. oral y cirugía bucal*, vol. 20, no. 3, pp. E316–E325, 2015.
14. J. Alcalá, D. Esque, and J. Ocenásek, “[Extracting uniaxial responses of single crystals from sharp and spherical hardness measurements](#),” *Mech. Mater.*, vol. 84, pp. 100–113, 2015.

# articles

15. J. Alcalá, J. Ocenásek, H. Lu, C. W. Bark, C. B. Eom, G. Catalan, and A. Gruverman, “[Nanomechanics of flexoelectric switching](#),” *Phys. Rev. B Condens. matter Mater. Phys.*, vol. 92, no. 3, pp. 35417–35419, 2016.
16. J. Alcalá, J. Ocenásek, K. Nowag, D. Esque, R. Ghisleni, and J. Michler, “[Strain hardening and dislocation avalanches in micrometer-sized dimensions](#),” *Acta Mater.*, vol. 91, pp. 255–266, 2015.
17. C. Aldana, E. Romero, E. Nuño, and L. Basañez, “[Pose consensus in networks of heterogeneous robots with variable time delays](#),” *Int. J. robust nonlinear Control*, vol. 25, no. 14, pp. 2279–2298, 2015.
18. A. Alloni, E. Sinforiani, C. Zuchella, G. Sandrini, S. Bernini, B. Cattani, D. Tost, S. Quaglini, and C. Pistarini, “[Computer-based cognitive rehabilitation: the CoRe system](#),” *Disabil. Rehabil.*, vol. 1, no. 1, pp. 1–10, 2015.
19. J. F. Alonso, S. Romero, M. R. Ballester, R. M. Antonijooan, and M. A. Mañanas, “[Stress assessment based on EEG univariate features and functional connectivity measures](#),” *Physiol. Meas.*, vol. 36, pp. 1351–1365, 2015.
20. J. F. Alonso, S. Romero, M. A. Mañanas, and J. Riba, “[Serotonergic psychedelics temporarily modify information transfer in humans](#),” *Int. J. Neuropsychopharmacol.*, vol. 18, no. 8, pp. 1–9, 2015.
21. J. F. Alonso, S. Romero, M. A. Mañanas, M. Rojas, J. Riba, and M. J. Barbanoj, “[Evaluation of multiple comparison correction procedures in drug assessment studies using LORETA maps](#),” *Med. Biol. Eng. Comput.*, vol. 53, no. 10, pp. 1011–1023, 2015.
22. J. Alvarez, “[Lyubeznik table of sequentially Cohen-Macaulay rings](#),” *Commun. Algebr.*, vol. 43, no. 9, pp. 3695–3704, 2015.
23. J. A. Alvarez and E. Egusquiza, “[Analysis of damage caused by siloxanes in stationary reciprocating internal combustion engines operating with landfill gas](#),” *Eng. Fail. Anal.*, vol. 50, pp. 29–38, 2015.
24. D. Amoura, M. Sanchez, F. Estrany, L. Makhlofi, and C. Aleman, “[Clay incorporation at the dielectric layer of multilayer polymer films for electrochemical activation](#),” *Eur. Polym. J.*, vol. 69, pp. 296–307, 2015.
25. E. Aneggi, V. Rico-Perez, C. de Leitenburg, S. Maschio, L. Soler, J. Llorca, and A. Trovarelli, “[Ceria-zirconia particles wrapped in a 2D carbon envelope: improved low-temperature oxygen transfer and oxidation activity](#),” *Angew. chemie. Int. Ed.*, vol. 54, no. 47, pp. 14040–14043, 2015.
26. C. Angulo, S. Pfeiffer, G. Alenyà, and R. Téllez, “[Evaluating the use of robots to enlarge AAL services](#),” *J. Ambient Intell. Smart Environ.*, vol. 7, no. 3, pp. 301–313, 2015.
27. M. Aragüés, A. Egea, S. Galceran-Arellano, and O. Gomis-Bellmunt, “[Optimal power flow tool for mixed highvoltage alternating current and high-voltage direct current systems for grid integration of large wind power plants](#),” *IET Renew. power Gener.*, vol. 9, no. 8, p. 876, 2015.
28. A. Arcentales, P. Caminal, I. Diaz, S. Benito, and B. Giraldo, “[Classification of patients undergoing weaning from mechanical ventilation using the coherence between heart rate variability and respiratory flow signal](#),” *Physiol. Meas.*, vol. 36, pp. 1439–1452, 2015.
29. D. Arumi, R. Rodriguez, and J. Figueras, “[Test escapes of stuck-open faults caused by parasitic capacitances and leakage currents](#),” *IEEE Trans. very large scale Integr. Syst.*, vol. 24, no. 5, pp. 1739–1748, 2015.
30. D. Arumi, R. Rodriguez, and J. Figueras, “[Improving security in cache memory by power efficient scrambling technique](#),” *IEEE Trans. very large scale Integr. Syst.*, vol. PP, no. 99, pp. 31–36, 2015.
31. A. Azman, M. Gallego, L. Julià, L. Fajari, and M. P. Almajano, “[The effect of convolvulus arvensis dried extract as a potential antioxidant in food models](#),” *Antioxidants*, vol. 4, no. 1, pp. 170–184, 2015.

# articles

32. A. Bachiller, S. Romero, V. Molina, J. F. Alonso, M. A. Mañanas, J. Poza, and R. Hornero, “[Auditory P3a and P3b neural generators in schizophrenia: An adaptive sLORETA P300 localization approach](#),” *Schizophr. Res.*, vol. 169, pp. 318–325, 2015.
33. A. Baelo, R. Levato, E. Julian, A. Crespo, J. Astola, J. Gavaldà, E. Engel, M. Mateos, and E. Torrents, “[Disassembling bacterial extracellular matrix with DNase-coated nanoparticles to enhance antibiotic delivery in biofilm infections](#),” *J. Control. release*, vol. 209, pp. 150–158, 2015.
34. F. Baino, J. Minguella-Canela, N. Kirk, M. Montealegre, C. Fiaschi, F. Korkusuz, G. Orlygsson, and C. Vitale-Brovarone, “[Novel full-ceramic monoblock acetabular cup with a bioactive trabecular coating: Design, fabrication and characterization](#),” *Ceram. Int.*, vol. 42, no. 6, pp. 6833–6845, 2015.
35. V. Banica, M. Gonzalez, and M. Saéz, “[Some constructions for the fractional Laplacian on noncompact manifolds](#),” *Rev. matemática Iberoam.*, vol. 31, no. 2, pp. 681–712, 2015.
36. R. Banks, J. Tiana, F. Rocadenbosch, and J. Baldasano, “[Performance evaluation of the boundary-layer height from lidar and the weather research and forecasting model at an urban coastal site in the North-East Iberian Peninsula](#),” *Boundary-layer Meteorol.*, vol. 157, no. 2, pp. 265–292, 2015.
37. P. Barbato, S. Colussi, A. Di Benedetto, G. Landi, L. Lisi, J. Llorca, and A. Trovarelli, “[CO preferential oxidation under H<sub>2</sub>-rich streams on copper oxide supported on Fe promoted CeO<sub>2</sub>](#),” *Appl. Catal. A. Gen.*, vol. 506, pp. 268–277, 2015.
38. E. Bargalló, J. Arroyo, J. Abal, J. Dies, A. de Blas, C. Tapia, J. Moya, and A. Ibarra, “[Results of the RAMI analyses performed for the IFMIF accelerator facility in the engineering design phase](#),” *Fusion Eng. Des.*, vol. 98–99, pp. 1933–1936, 2015.
39. M. Barja, “[Generalized Clifford-Severi inequality and the volume of irregular varieties](#),” *Duke Math. J.*, vol. 164, no. 3, pp. 541–568, 2015.
40. A. Barjau, J. Agullo, and J. M. Font-Llagunes, “[Combining vibrational linear-by-part dynamics and kinetic-based decoupling of the dynamics for multiple elastoplastic smooth impacts](#),” *Multibody Syst. Dyn.*, vol. 35, no. 3, pp. 233–256, 2015.
41. E. Barrabés, J. Cors, and M. Olle, “[Dynamics of the parabolic restricted three-body problem](#),” *Commun. nonlinear Sci. Numer. Simul.*, vol. 29, no. 1–3, pp. 400–415, 2015.
42. R. Bas, M. Vallverdu, J. Valencia, A. Voss, A. B. de Luna, and P. Caminal, “[Evaluation of acceleration and deceleration cardiac processes using phase-rectified signal averaging in healthy and idiopathic dilated cardiomyopathy subjects](#),” *Med. Eng. Phys.*, vol. 37, no. 2, pp. 195–202, 2015.
43. J. Bautista, R. Alfaro, and C. Batalla, “[Modeling and solving the mixed-model sequencing problem to improve productivity](#),” *Int. J. Prod. Econ.*, vol. 161, no. March 2015, pp. 83–95, 2015.
44. J. Bautista, R. Alfaro, and C. Batalla, “[Consideration of human resources in the Mixed-model Sequencing Problem with Work Overload Minimization: Legal provisions and productivity improvement](#),” *Expert Syst. Appl.*, vol. 42, no. 22, pp. 8896–8910, 2016.
45. J. Bautista and A. Cano, “[Corrigendum to ‘Solving mixed model sequencing problem in assembly lines with serial workstations with work overload minimisation and interruption rules’ \[Eur. J. Oper. Res. 210 \(2011\) 495–513\]](#),” *Eur. J. Oper. Res.*, vol. 247, no. 1, p. 338, 2015.
46. J. Bautista and F. J. Llovera, “[Organización de la producción: una perspectiva histórica. Un discurso de ingreso en la Reial Acadèmia de Doctors](#),” *Trib. Plur. la Rev. científica*, vol. 4/2014, no. 4, pp. 299–324, 2015.

# articles

47. M. Bautista, A. Martínez de Ibaruya, A. Alla, and S. Muñoz, “[Poly\(butylene succinate\) ionomers with enhanced hydrodegradability](#),” *Polymers (Basel)*, vol. 7, no. 7, pp. 1232–1247, 2015.
48. B. Ben Hassine, P. Negrier, M. Del Barrio, D. Mondieig, S. Massip, and J. L. Tamarit, “[Phase transition in hydrogen-bonded 1-adamantane-methanol](#),” *Cryst. growth Des.*, vol. 15, no. 8, pp. 4149–4155, 2015.
49. O. Bertran, L. J. del Valle, G. Revilla-López, M. Rivas, G. Chaves, M. Casas, J. Casanovas Salas, P. Turon, J. Puiggali, and C. Aleman, “[Synergistic approach to elucidate the incorporation of magnesium ions into hydroxyapatite](#),” *Chem. a Eur. J.*, vol. 21, no. 6, pp. 2537–2546, 2015.
50. O. Bertran, B. Zhang, A. D. Schliuter, M. Kroeger, and C. Aleman, “[Modeling nanosized single molecule objects: dendronized polymers adsorbed onto mica](#),” *J. Phys. Chem. Part C, Nanomater. interfaces*, vol. 119, no. 7, pp. 3746–3753, 2015.
51. I. Binietoglou, S. Basart, L. Alados, J. Baldasano, A. Comeron, C. Muñoz, F. Rocadenbosch, A. Rodriguez-Gomez, M. Sicard, J. A. Bravo-Aranda, P. Burlizzi, L. Filice, P. Kokkalis, D. Nicolae, G. Pejanovic, and J. J. Wagner, “[A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals](#),” *Atmos. Meas. Tech.*, vol. 8, no. 9, pp. 3577–3600, 2015.
52. J. Blesa, P. Jiménez, D. Rotondo, F. Nejjari, and V. Puig, “[An interval NLPV parity equations approach for fault detection and isolation of a wind farm](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3794–3805, 2015.
53. J. Bonada, M. Pastor, F. Roure, and M. Casafont, “[Influence of the cold work effects in perforated rack columns under pure compression load](#),” *Eng. Struct.*, vol. 97, pp. 130–139, 2015.
54. E. Bonmatí, A. Casanovas, I. Angurell, and J. Llorca, “[Hydrogen photoproduction from ethanol-water mixtures over Au-Cu alloy nanoparticles supported on TiO<sub>2</sub>](#),” *Top. Catal.*, vol. 58, no. 2–3, pp. 77–84, 2015.
55. C. Botero, E. Jimenez-Pique, R. Martin, T. Kulkami, V. Sarin, and L. Llanes, “[Influence of temperature and hot corrosion on the micro-nanomechanical behavior of protective mullite EBCs](#),” *Int. J. Refract. Met. hard Mater.*, vol. 49, no. Special Issue, pp. 383–391, 2015.
56. F. Bregoli, V. De Medina, G. Chevalier, M. Hurlimann, and A. Bateman, “[Debris-flow susceptibility assessment at regional scale: Validation on an alpine environment](#),” *Landslides*, vol. 12, no. 3, pp. 437–454, 2015.
57. J. Broughton, M. C. Cantone, M. Ginjaume, B. Shah, and R. Czarwinski, “[Implications in do simetry of the implementation of the revised dose limit to the lens of the eye](#),” *Radiat. Prot. Dosimetry*, vol. 164, no. 1–2, pp. 70–74, 2015.
58. I. Buj, L. Marco-Almagro, A. Riba, J. Vivancos, and J. Tort-Martorell, “[Evaluation of project based learning in the area of manufacturing and statistics in the degeree of industrial technology](#),” *J. Technol. Sci. Educ.*, vol. 5, no. 2, pp. 130–140, 2016.
59. I. Buj, J. Vivancos, L. Rodero, and L. Marco-Almagro, “[Comparison between mathematical models for roughness obtained in test machine and in industrial machine in semifinish honing processes](#),” *Procedia Eng.*, vol. 132, pp. 545–552, 2015.
60. B. Bullon, E. Bueno, M. Herrero-Climent, A. Fernandez, J. V Ríos, P. Bullon, and F. J. Gil, “[Effect of irrigation and stainless steel drills on dental implant bed heat generation](#),” *J. Mater. Sci. Mater. Med.*, vol. 26, no. 2, pp. 10–75, 2015.
61. S. Busquets-Monge, R. Maheshwari, J. Nicolas, E. Lupon, S. Munk, and J. Bordonau, “[Enhanced DC-Link Capacitor Voltage Balancing Control of DC-AC Multilevel Multileg Converters](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 5, pp. 2663–2672, 2015.

# articles

62. J. Buxadera, C. Canal, S. Torrent, B. Garrido, F. J. Gil, and D. Rodriguez, “[Antifouling coatings for dental implants: Polyethylene glycol-like coatings on titanium by plasma polymerization](#),” *Biointerphases an open access J. Biomater. interface community*, vol. 10, no. 2, pp. 29505–29511, 2015.
63. X. Cabre, M. N. Consul, and J. Mande, “[Traveling wave solutions in a half-space for boundary reactions](#),” *Anal. PDE*, vol. 8, no. 2, pp. 333–364, 2015.
64. X. Cabre and J. Serra, “[An extension problem for sums of fractional Laplacians and 1-D symmetry of phase transitions](#),” *Nonlinear Anal. theory, methods Appl.*, vol. 137, pp. 246–265, 2015.
65. X. Cabre and S. Yannick, “[Nonlinear equations for fractional laplacians II: existence, uniqueness, and qualitative properties of solutions](#),” *Trans. Am. Math. Soc.*, vol. 367, no. 2, pp. 911–941, 2015.
66. J. Cabrera, M. B. Reis, O. Balancin, A. Moreira, and J. Gallego, “[Efeito do tempo entre deformações na interação recristalização : precipitação de um aço inoxidável austenítico com alto teor de nióbio e nitrogênio](#),” *Tecnol. em Metal. Mater. e mineração*, vol. 12, no. 4, pp. 294–303, 2015.
67. J. Cáceres, M. Hernando, M. Mora, I. M. Pelayo, and M. L. Puertas, “[Quasiperfect domination in trees](#),” *Electron. notes Discret. Math.*, vol. 50, pp. 439–444, 2015.
68. J. Cadafalch, D. Carbonell, R. Consul, and R. Ruiz Mansilla, “[Modelling of storage tanks with immersed heat exchangers](#),” *Sol. energy*, vol. 112, pp. 154–162, 2015.
69. J. Cailloux, O. Santana, J. J. Bou, F. Carrasco, and M. Maspoch, “[Using viscoelastic properties to quantitatively estimate the amount of modified poly\(Lactic Acid\) chains through reactive extrusion](#),” *J. Rheol. (N. Y. N. Y.)*, vol. 59, no. 5, pp. 1191–1227, 2015.
70. A. Calle, S. Alepuz, J. Bordonau, J. Nicolas, P. Cortés, and J. Rodríguez, “[Model predictive current control of grid-connected neutral-point-clamped converters to meet low-voltage ride-through requirements](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 3, pp. 1503–1514, 2015.
71. G. Calleja, A. Corominas, A. García-Villoria, and R. Pastor, “[Hybrid metaheuristics for the accessibility windows assembly line balancing problem level 2 \(AWALBP-L2\)](#),” *Eur. J. Oper. Res.*, vol. 250, no. 3, pp. 760–772, 2015.
72. C. Camino, E. Cuevas, S. Basart, S. Alonso-Perez, J. Baldasano, E. Terradellas, B. Marticorena, A. Berjon, and S. Rodriguez, “[An Empirical equation to estimate mineral dust concentrations from visibility observations in Northern Africa](#),” *Aeolian Res.*, vol. 16, no. March, pp. 55–68, 2015.
73. E. Camposilvan and M. Anglada, “[Micropillar compression inside zirconia degraded layer](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 14, pp. 4051–4058, 2015.
74. E. Camposilvan, Q. Flamant, and M. Anglada, “[Surface roughened zirconia: towards hydrothermal stability](#),” *J. Mech. Behav. Biomed. Mater.*, vol. 47, pp. 95–106, 2015.
75. E. Camposilvan, F. G. Marro, A. Mestra, and M. Anglada, “[Enhanced reliability of yttria-stabilized zirconia for dental applications](#),” *Acta Biomater.*, vol. 17, pp. 36–46, 2015.
76. L. Canals, A. Schiffer, B. Amante, and J. Llorca, “[PHEV battery ageing study using voltage recovery and internal resistance from on-board data](#),” *IEEE Trans. Veh. Technol.*, vol. PP, no. 99, 2015.
77. R. Carbo, M. Ginovart, C. Akatibu, X. Portell, and L. J. del Valle, “[Effect of aerobic and microaerophilic culture in the growth dynamics of \*Saccharomyces cerevisiae\* and in training of quiescent and non-quiescent subpopulations](#),” *Arch. Microbiol.*, vol. 197, no. 8, pp. 991–999, 2015.

# articles

78. E. Carinou, P. Ferrari, O. Ciraj, M. Ginjaume, M. Sans, and U. O'Connor, “[Eye lens monitoring for interventional radiology personnel: dosimeters, calibration and practical aspects of H-p\(3\) monitoring. A 2015 review](#),” *J. Radiol. Prot.*, vol. 35, no. 3, pp. R17–R34, 2015.
79. F. Carrasco, O. Santana, J. Cailloux, and M. Maspoch, “[Kinetics of the thermal degradation of poly\(lactic acid\) obtained by reactive extrusion: Influence of the addition of montmorillonite nanoparticles](#),” *Polym. Test.*, vol. 48, pp. 69–81, 2015.
80. M. Casanellas, J. Fernández-Sánchez, and M. Michalek, “[Low degree equations for phylogenetic group-based models](#),” *Collect. Math.*, vol. 66, no. 2, pp. 203–225, 2016.
81. M. Casanova, J. Llorca, K. Schermanz, A. Trovarelli, and A. Sagar, “[Mixed iron-erbium vanadate NH3-SCR catalysts](#),” *Catal. today*, vol. 241, pp. 159–168, 2015.
82. A. Casanovas, A. Galvis, and J. Llorca, “[Catalytic steam reforming of olive mill wastewater for hydrogen production](#),” *Int. J. Hydrogen Energy*, vol. 40, no. 24, pp. 7539–7545, 2015.
83. C. Casas, R. Tejedor, R. Rodríguez, J. Benito, and J. Cabrera, “[The effect of oxide particles on the strength and ductility of bulk iron with a bimodal grain size distribution](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 627, pp. 205–216, 2015.
84. M. Casas, R. Michell, I. Blaszczyk-Lezak, J. Puiggali, C. Mijangos, A. Lorenzo, and A. Müller, “[Self-assembly of semicrystalline PE-b-PS diblock copolymers within AAO nanoporous templates](#),” *Polymer*, vol. 70, pp. 282–289, 2015.
85. M. Casillas, L. Garza, and V. Puig, “[Optimal sensor placement for leak location in water distribution networks using evolutionary algorithms](#),” *Water*, vol. 7, no. 11, pp. 6496–6515, 2015.
86. M. Casillas, L. Garza, V. Puig, and A. Vargas-Martinez, “[Leak signature space: an original representation for robust leak location in water distribution networks](#),” *Water*, vol. 7, no. 3, pp. 1129–1148, 2015.
87. M. Castellanos, A. Grau, J. C. Rodriguez-Cabello, F. J. Gil, J. Manero, and M. Pegueroles, “[Biofunctionalization of REDV elastin-like recombinamers improves endothelialization on CoCr alloy surfaces for cardiovascular applications](#),” *Colloids Surfaces B. Biointerfaces*, vol. 127, pp. 22–32, 2015.
88. V. Castillo, J. T. Lazaro, and J. Sardañés, “[Dynamics and bifurcations in a simple quasispecies model of tumorigenesis](#),” *Comput. Appl. Math.*, 2015.
89. L. Castoldi, E. Aneggi, R. Matarrese, R. Bonzi, J. Llorca, A. Trovarelli, and L. Lietti, “[Silver-based catalytic materials for the simultaneous removal of soot and NOx](#),” *Catal. today*, vol. 258, no. Part 2, pp. 405–415, 2015.
90. T. Charignon, P. Lloveras, D. Chatain, L. Truskinovsky, E. Vives, D. BeySENS, and V. Nikolayev, “[Criticality in the slowed-down boiling crisis at zero gravity](#),” *Phys. Rev. E Stat. nonlinear, soft matter Phys.*, vol. 91, no. 5, pp. 53007–53010, 2015.
91. Z. Chen, J. Zhang, W. Du, O. Lordan, and J. Tang, “[Optimal allocation of node capacity in cascade-robustness networks](#),” *PLoS One*, vol. 10, no. 10, 2015.
92. G. Chevalier, V. De Medina, M. Hurlmann, and A. Bateman, “[Morpho-fluvial analysis of headwater catchments: an example from the Central-Eastern Pyrenees](#),” *Environmental earth Sci.*, vol. 73, no. 10, pp. 6495–6509, 2015.
93. M. Chica, O. Cordón, S. Damas, and J. Bautista, “[Interactive preferences in multiobjective ant colony optimisation for assembly line balancing](#),” *Soft Comput.*, vol. 19, no. 10, pp. 2891–2903, 2015.
94. F. Ciervo, M. Papa, V. De Medina, and A. Bateman, “[Simulation of flash floods in ungauged basins using post-event](#)

# articles

- [surveys and numerical modelling,” \*J. flood risk Manag.\*, vol. 8, pp. 343–355, 2015.](#)
95. J. Clotet and M. D. Magret, “[Some considerations about reachability of switched linear singular systems,” \*Far East J. Appl. Math.\*, vol. 93, no. 3, pp. 179–190, 2015.](#)
96. S. Colussi, M. Boaro, L. De Rogatis, A. Pappacena, C. de Leitenburg, J. Llorca, and A. Trovarelli, “[Room temperature oxidation of formaldehyde on Pt-based catalysts: A comparison between ceria and other supports \(TiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub> and ZrO<sub>2</sub>\)](#),” *Catal. today*, vol. 253, pp. 163–171, 2015.
97. S. Colussi, A. Gayen, M. Boaro, J. Llorca, and A. Trovarelli, “[Influence of different palladium precursors on the properties of solution-combustion-synthesized palladium/ceria catalysts for methane combustion,” \*ChemCatChem\*, vol. 7, no. 14, pp. 2222–2229, 2015.](#)
98. R. Companys and I. Ribas, “[Some trends and applications of operational research/management science to operations management,” \*Int. J. Prod. Manag. Eng.\*, vol. 3, no. 1, pp. 1–12, 2015.](#)
99. A. Compta and J. Ferrer, “[Geometric classification of monogenic subspaces and uniparametric linear control systems,” \*Linear multilinear Algebr.\*, vol. 63, no. 9, pp. 1768–1785, 2016.](#)
100. E. Cordova, O. Bertran, C. Aleman, A. Schlüter, and M. Kroeger, “[Internal organization of macromonomers and dendronized polymers based on thiophene dendrons,” \*Soft Matter\*, vol. 11, no. 6, pp. 1116–1126, 2015.](#)
101. A. Corominas and E. Fossas, “[Optimising the extraction rate of a non-durable non-renewable resource in a monopolistic market: a mathematical programming approach,” \*Springerplus\*, vol. 4, 2015.](#)
102. A. Corominas, A. García-Villoria, and R. Pastor, “[Technical note: relating to the parameter values given by Nelder and Mead in their algorithm,” \*Comput. J.\*, vol. 58, no. 1, pp. 157–159, 2015.](#)
103. A. Corominas, A. Lusa, and M. Calvet, “[Computing voter transitions: The elections for the Catalan parliament, from 2010 to 2012,” \*J. Ind. Eng. Manag.\*, vol. 8, no. 1, pp. 122–136, 2016.](#)
104. A. Corominas, M. Mateo, I. Ribas, and S. Rubio, “[Methodological elements of supply chain design,” \*Int. J. Prod. Res.\*, vol. 53, no. 16, pp. 5017–5030, 2015.](#)
105. D. Cortés, N. Gordillo, C. Riba Romeva, and J. Lloveras, “[A fuzzy approach for the selection of non-traditional sheet metal cutting processes,” \*Expert Syst. Appl.\*, vol. 42, no. 15–16, pp. 6147–6154, 2015.](#)
106. J. A. Cortes, G. Ramos, and R. Costa-Castelló, “[Discrete-time resonant observer based control for periodic signal rejection,” \*Rev. IEEE América Lat.\*, vol. 13, no. 5, pp. 1279–1285, 2015.](#)
107. N. Cuadrado, J. Seuba, D. Casellas, M. Anglada, and E. Jimenez-Pique, “[Geometry of nanoindentation cube-corner cracks observed by FIB tomography: Implication for fracture resistance estimation,” \*J. Eur. Ceram. Soc.\*, vol. 35, no. 10, pp. 2949–2955, 2015.](#)
108. E. Cuevas, S. Basart, J. Baldasano, and A. Berjon, “[The MACC-II 2007-2008 reanalysis: atmospheric dust evaluation and characterization over northern Africa and the Middle East,” \*Atmos. Chem. Phys.\*, vol. 15, no. 8, pp. 3991–4024, 2015.](#)
109. J. Cusido, L. V Cremades, and M. Gonzalez, “[Experience on a low cost way to obtain Al-Ti ceramic foams,” \*Mater. Res. J. Mater.\*, vol. 18, no. 4, pp. 769–774, 2015.](#)
110. J. Cusido, L. V Cremades, C. Soriano, and M. Devant, “[Incorporation of paper sludge in clay brick formulation : ten years of industrial experience,” \*Appl. Clay Sci.\*, vol. 108, pp. 191–198, 2015.](#)
111. E. Cuzmar, R. Perez, M. Manzanares, M. P. Ginebra, and J. Franch, “[In vivo osteogenic potential of biomimetic](#)

# articles

- [hydroxyapatite/collagen microspheres: Comparison with injectable cement pastes](#), "PLOS ONE, vol. 10, no. 7, 2015.
112. V. Dalmoro, C. Aleman, C. A. Ferreira, J. Dos Santos, D. Azambuja, and E. Armelin, "[The influence of organophosphonic acid and conducting polymer on the adhesion and protection of epoxy coating on aluminium alloy](#)," *Prog. Org. coatings*, vol. 88, pp. 181–190, 2015.
113. V. Dalmoro, J. Dos Santos, C. Aleman, and D. Azambuja, "[An assessment of the corrosion protection of AA2024-T3 treated with vinyltrimethoxsilane/\(3-glycidyloxypropyl\)trimethoxysilane](#)," *Corros. Sci.*, vol. 92, pp. 200–208, 2015.
114. V. Dalmoro, J. Dos Santos, L. baibich, I. Butler, E. Armelin, C. Aleman, and D. Azambuja, "[Improving the corrosion performance of hybrid sol-gel matrix by modification with phosphonic acid](#)," *Prog. Org. coatings*, vol. 80, pp. 49–58, 2015.
115. D. Das, J. Llorca, M. Dominguez, S. Colussi, A. Trovarelli, and A. Gayen, "[Methanol steam reforming behavior of copper impregnated over CeO<sub>2</sub>-ZrO<sub>2</sub> derived from a surfactant assisted coprecipitation route](#)," *Int. J. Hydrogen Energy*, vol. 40, no. 33, pp. 10463–10479, 2015.
116. D. Das, J. Llorca, M. Dominguez, and A. Gayen, "[Single step combustion synthesized Cu/Ce0.8Zr0.2O2 for methanol steam reforming: Structural insights from in situ XPS and HRTEM studies](#)," *Catal. Struct. React.*, vol. 1, no. 4, pp. 174–182, 2015.
117. N. de Arespacochaga, C. Valderrama, C. Peregrina, A. Hornero, L. Bouchy, and J. Cortina, "[On-site cogeneration with sewage biogas via high-temperature fuel cells: benchmarking against other options based on industrial-scale data](#)," *Fuel Process. Technol.*, vol. 138, pp. 654–662, 2015.
118. N. de Arespacochaga, C. Valderrama, C. Peregrina, C. Mesa, L. Bouchy, and J. Cortina, "[Evaluation of a pilot-scale sewage biogas powered 2.8 kWe Solid Oxide Fuel Cell: assessment of heat-to-power ratio and influence of oxygen content](#)," *J. Power Sources*, vol. 300, pp. 325–335, 2015.
119. N. de Arespacochaga, C. Valderrama, J. Raich-Montiu, M. Crest, S. Mehta, and J. Cortina, "[Understanding the effects of the origin, occurrence, monitoring, control, fate and removal of siloxanes on the energetic valorization of sewage biogas - A review](#)," *Renew. Sustain. energy Rev.*, vol. 52, pp. 366–381, 2015.
120. O. de la Torre, X. Escaler, E. Egusquiza, and M. Farhat, "[Experimental mode shape determination of a cantilevered hydrofoil under different flow conditions](#)," *Proc. Inst. Mech. Eng. Part C J. Mech. Eng. Sci.*, 2015.
121. R. De La Torre, A. Lusa, and M. Mateo, "[A MILP Model for the Long Term Academic Staff Size and Composition Planning in Public Universities](#)," *Omega Int. J. Manag. Sci.*, 2015.
122. S. F. Del Sasso, A. Sole, A. Bateman, V. De Medina, D. Mirauda, A. Volpe, L. Giosa, and A. Guariglia, "[Analysis of river bed dynamic evolution following a landslide dam](#)," *Houille blanche-revue Int. l'eau*, no. 6, pp. 88–95, 2015.
123. J. Del Valle, A. Tapia, P. Espejo, E. Verne, R. Nazario, C. Ugarte, L. J. del Valle, and T. Pumarola, "[Incidence of respiratory viruses in peruvian children with acute respiratory infections](#)," *J. Med. Virol.*, vol. 87, no. 6, pp. 917–924, 2015.
124. A. Delshams, M. Gonchenko, and S. Gonchenko, "[On dynamics and bifurcations of area-preserving maps with homoclinic tangencies](#)," *Nonlinearity*, vol. 28, no. 9, pp. 3027–3071, 2015.
125. A. Diaz, A. Bacaicoa, M. Casas, M. Franco, À. Serra, and J. Puiggali, "[Study on the crystallization of multiarm stars with a poly\(ethyleneimine\) core and poly\(epsilon-caprolactone\) arms of different length](#)," *Thermochim. Acta*, vol. 607, pp. 39–52, 2015.
126. A. Diaz, M. Casas, and J. Puiggali, "[Preferential incorporation of azelaic acid units into the crystalline phase of the](#)

# articles

[copoly\(alkylene dicarboxylate\) derived from 1,9-nanonediol and an equimolar mixture of pimelic and azelaic acids,”](#) *Polymers (Basel)*, vol. 7, no. 9, pp. 1871–1894, 2015.

127. A. Diaz, L. J. del Valle, D. Tugushi, R. Katsarava, and J. Puiggali, “[New poly\(ester urea\) derived from L-leucine: Electrospun scaffolds loaded with antibacterial drugs and enzymes,”](#) *Mater. Sci. Eng. C. Biomim. Supramol. Syst.*, vol. 46, pp. 450–462, 2015.
128. M. Diaz, D. Paillacho, C. Angulo, O. Torres, J. González, and J. Albo-Canals, “[Evaluating group-robot interaction in crowded public spaces: a week-long exploratory study in the wild with a humanoid robot guiding visitors through a science museum,”](#) *Int. J. Humanoid Robot.*, vol. 12, no. 4, pp. 1550022–1550025, 2015.
129. S. Diez, D. Lopez, J. Salud, J. Diego, J. Sellàs, B. Robles-Hernández, M. De la Fuente, and M. Blanca Ros, “[Two glass transitions associated to different dynamic disorders in the nematic glassy state of a non-symmetric liquid crystal dimer doped with gamma-alumina nanoparticles,”](#) *Materials (Basel)*, vol. 8, no. 6, pp. 3334–3351, 2015.
130. C. Dombayci, J. Farreres, H. Rodriguez, E. Muñoz, E. Capon-Garcia, A. Espuña, and M. Graells, “[On the process of building a process systems engineering ontology using a semi-automatic construction approach,”](#) *Comput. aided Chem. Eng.*, vol. 37, pp. 941–946, 2015.
131. B. Domenech, L. Ferrer-Martí, and R. Pastor, “[Including management and security of supply constraints for designing stand-alone electrification systems in developing countries,”](#) *Renew. energy*, vol. 80, pp. 359–369, 2015.
132. B. Domenech, L. Ferrer-Martí, and R. Pastor, “[Hierarchical methodology to optimize the design of stand-alone electrification systems for rural communities considering technical and social criteria,”](#) *Renew. Sustain. energy Rev.*, vol. 51, pp. 182–196, 2015.
133. S. Domínguez, M. I. Garcia-Planas, R. Palau, and J. Taberna, “[Modelling E-portfolio for a Linear Algebra undergraduate course,”](#) *Int. J. Educ. Inf. Technol.*, vol. 9, pp. 115–121, 2015.
134. M. Echeverry, O. Galvis, D. Quintero, J. Pavon, J. Lopez, E. Jimenez-Pique, M. Anglada, S. Robledo, J. G. Castaño, and F. Echeverria, “[Osseointegration improvement by plasma electrolytic oxidation of modified titanium alloys surfaces,”](#) *J. Mater. Sci. Mater. Med.*, vol. 26, no. 2, pp. 18–72, 2015.
135. J. Eguia, R. Contreras, and L. Solano, “[Juegos digitales desde el punto de vista de los professores : una experiencia didáctica en aulas primaria catalanas,”](#) *Educ. Knowl. Soc.*, vol. 16, no. 2, pp. 31–48, 2015.
136. E. Egusquiza, M. Valero, D. Valentin, A. Presas, and C. Rodriguez, “[Condition monitoring of pump-turbines. New challenges,”](#) *Measurement*, vol. 67, pp. 151–163, 2015.
137. E. Elizalde, J. Haro, and S. Odintsov, “[Quasimatter domination parameters in bouncing cosmologies,”](#) *Phys. Rev. D - Part. fields, Gravit. Cosmol.*, vol. 91, no. 6, pp. 63522–63529, 2015.
138. X. Escaler and T. Mebarki, “[Wind speed dependency of low-frequency vibration levels in full-scale wind turbines,”](#) *J. Sol. energy Eng. Trans. ASME*, vol. 137, no. 6, pp. 1–12, 2015.
139. L. Español, M. Massa, and J. Ferreirós, “[Presentación del grupo de Historia de las Matemáticas de la RSME,”](#) *La Gac. la Real Soc. Matemática Española*, vol. 18, no. 3, pp. 483–491, 2016.
140. M. Español, M. P. Ginebra, and J. Dory, “[Impact of porosity and electrolyte composition on the surface charge of hydroxyapatite biomaterials,”](#) *ACS Appl. Mater. interfaces*, vol. 8, pp. 908–917, 2015.
141. A. Espriu-Gascon, J. Llorca, M. Dominguez, F. Gimenez, I. Casas, and J. Pablo, “[UO2 surface oxidation by mixtures of water vapor and hydrogen as a function of temperature,”](#) *J. Nucl. Mater.*, vol. 467, pp. 240–243, 2015.

# articles

142. R. Estrada, M. Garcia Gil, L. Acosta, S. Bará, A. Sanchez de Miguel, and J. Zamorano, “[Statistical modelling and satellite monitoring of upward light from public lighting](#),” *Light. Res. Technol.*, 2015.
143. Y. Fang and M. Gonzalez, “[Asymptotic behavior of palais-smale sequences associated with fractional yamabe-type equations](#),” *Pacific J. Math.*, vol. 278, no. 2, pp. 369–405, 2015.
144. G. Fargas, J. J. Roa, and A. Mateo, “[Effect of shot peening on metastable austenitic stainless steels](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 641, pp. 290–296, 2015.
145. G. Fargas, A. Zapata, J. J. Roa, I. Sapezanskaia, and A. Mateo, “[Correlation between microstructure and mechanical properties before and after reversion of metastable austenitic stainless steels](#),” *Metall. Mater. Trans. A-Physical Metall. Mater.*, vol. 46A, pp. 5697–5707, 2016.
146. S. Fatemi, A. Zarei, J. Cabrera, and P. Rodriguez-Calvillo, “[EBSD characterization of repetitive grain refinement in AZ31 magnesium alloy](#),” *Mater. Chem. Phys.*, vol. 149, pp. 339–343, 2015.
147. Y. Fedorov, L. García, and J. Marrero, “[Unimodularity and preservation of volumes in nonholonomic mechanics](#),” *J. nonlinear Sci.*, vol. 25, no. 1, pp. 203–246, 2015.
148. F. Fenollosa and J. Minguella-Canelá, “[Tecnologías de fabricación aditiva para el entorno industrial](#),” *Automática e instrumentación*, no. 474, pp. 57–63, 2015.
149. E. Fernandez, J. Guillem-Martí, C. Gutierrez, A. Fernandez, M. P. Ginebra, and S. Lopez, “[Osteoblastic cell response to spark plasma-sintered zirconia/titanium cermets](#),” *J. Biomater. Appl.*, vol. 29, no. 6, pp. 813–823, 2015.
150. U. Fernandez, C. Velte, P. Rethore, N. Sorensen, and E. Egusquiza, “[Testing of self-similarity and helical symmetry in vortex generator flow simulations](#),” *Wind energy*, 2015.
151. R. M. Fernández-Cantí, J. Blesa, S. Tornil-Sin, and V. Puig, “[Fault detection and isolation for a wind turbine benchmark using a mixed Bayesian/set-membership approach](#),” *Annu. Rev. Control*, vol. 40, pp. 56–59, 2015.
152. R. M. Fernández-Cantí, S. Tornil-Sin, J. Blesa, and V. Puig, “[Non-linear set-membership identification approach based on the Bayesian framework](#),” *IET Control theory Appl.*, vol. 9, no. 9, pp. 1392–1398, 2015.
153. Xa. Fernández-Franco and X. Ramis, “[Structural analysis of the curing of epoxy thermosets crosslinked with hyperbranched poly\(ethyleneimine\)s](#),” *Eur. Polym. J.*, vol. 70, pp. 286–305, 2015.
154. J. Fernández-Sánchez, J. Sumner, P. Jarvis, and M. Woodhams, “[Lie Markov models with purine/pyrimidine symmetry](#),” *J. Math. Biol.*, vol. 70, no. 4, pp. 855–891, 2015.
155. L. Ferrer-Martí, M. Garfi', and I. Ferrer, “[Cooperation and human development projects as bachelor, master and PhD thesis: evaluating an internship program](#),” *Procedia - Soc. Behav. Sci.*, vol. 196, pp. 63–68, 2015.
156. S. Fontdecaba, P. Grima, and J. Tort-Martorell, “[Proposal of a single critical value for the lenth method](#),” *Qual. Technol. Quant. Manag.*, vol. 12, no. 1, pp. 41–51, 2016.
157. R. Fraioli, F. Rechenmacher, S. Neubauer, J. Manero, F. J. Gil, H. Kessler, and C. Mas-Moruno, “[Mimicking bone extracellular matrix: Integrin-binding peptidomimetics enhance osteoblast-like cells adhesion, proliferation, and differentiation on titanium](#),” *Colloids Surfaces B. Biointerfaces*, vol. 128, pp. 191–200, 2015.
158. A. Francesko, L. Blandon, M. Vázquez, P. Petkova, J. Morato, A. Pfeifer, T. Heinze, E. Mendoza, and T. Tzanov, “[Enzymatic functionalization of cork surface with antimicrobial hybrid biopolymer/silver nanoparticles](#),” *ACS Appl. Mater. interfaces*, vol. 7, no. 18, pp. 9792–9799, 2015.

# articles

159. E. Franco-Urquiza, J. C. Velázquez-Infante, J. Cailloux, O. Santana, and M. Maspoch, “[The influence of the clay particles on the mechanical properties and fracture behavior of PLA/o-MMT composite films](#),” *Adv. Polym. Technol.*, vol. 34, no. 1, pp. 21411–21470, 2015.
160. R. L. Frank, M. Gonzalez, D. D. Monticelli, and J. Tan, “[An extension problem for the CR fractional Laplacian](#),” *Adv. Math. (N. Y.)*, vol. 270, no. --, pp. 97–137, 2015.
161. . Franke, J. Alcalá, R. Dalmau, Z. Duan, A. Biener, M. Biener, and A. Hodge, “[Incipient Plasticity of Single-Crystal Tantalum as a Function of Temperature and Orientation](#),” *Philos. Mag. A*, vol. 95, no. 16–18, pp. 1866–1877, 2016.
162. J. Freixa, V. Martínez-Quiroga, O. Zerkak, and F. Reventos, “[Modelling guidelines for core exit temperature simulations with system codes](#),” *Nucl. Eng. Des.*, vol. 286, pp. 116–129, 2015.
163. M. Friederici, I. Angurell, O. Rosell, M. Seco, C. Muller, and J. Llorca, “[Electrochemical detection of the L-cysteine using a carbon paste electrode modified with a conjugate of tetraamino cobalt \(II\) phthalocyanine and gold nanoparticles](#),” *Sci.*, vol. 25, no. 1, pp. 27–37, 2015.
164. E. Gallardo-Gallardo, S. Nijs, N. Dries, and P. Gallo, “[Towards an understanding of talent management as a phenomenon-driven field using bibliometric and content analysis](#),” *Hum. Resour. Manag. Rev.*, vol. 25, no. 3, pp. 264–279, 2015.
165. M. Gallego, M. Gordon, F. Segovia, and M. P. Almajano, “[Caesalpinia decapetala Extracts as Inhibitors of Lipid Oxidation in Beef Patties](#),” *Molecules*, vol. 20, no. 8, pp. 13913–13926, 2015.
166. C. Gama, O. Tchepel, J. Baldasano, S. Basart, J. Ferreira, C. Pio, J. Cardoso, and C. Borrego, “[Seasonal patterns of Saharan dust over Cape Verde : a combined approach using observations and modelling](#),” *Tellus. B. Chem. Phys. Meteorol.*, vol. 67, no. 24410, pp. 1–21, 2015.
167. I. Gana, M. Del Barrio, C. Ghaddar, B. Nicolai, B. Do, J. L. Tamarit, F. Safta, and I. Rietveld, “[An integrated view of the influence of temperature, pressure, and humidity on the stability of trimorphic cysteamine hydrochloride](#),” *Mol. Pharm.*, vol. 12, no. 7, pp. 2276–2288, 2015.
168. M. I. Garcia-Planas, “[Disturbance decoupling problem for switched linear systems. A geometric approach](#),” *WSEAS Trans. Syst.*, vol. 14, pp. 244–251, 2016.
169. M. I. Garcia-Planas and M. D. Magret, “[Eigenvectors of permutation matrices](#),” *Adv. pure Math.*, vol. 5, pp. 390–394, 2016.
170. M. I. Garcia-Planas and B. Mediano, “[Stability analysis of a wind turbine tower using reachability properties of switched systems](#),” *Rev. IEEE América Lat.*, vol. 13, no. 7, pp. 2252–2257, 2015.
171. M. I. Garcia-Planas and J. Taberna, “[An integrated ePortfolio in linear algebra classes](#),” *Mahara NewsL*, vol. 4, no. 4, 2015.
172. D. García-Vallejo, J. M. Font-Llagunes, and W. Schiehlen, “[Dynamical analysis and design of active orthoses for spinal cord injured subjects by aesthetic and energetic optimization](#),” *Nonlinear Dyn.*, vol. 84, no. 2, pp. 559–581, 2015.
173. A. García-Villoria, A. Corominas, and R. Pastor, “[Heuristics and simulated annealing procedures for the accessibility windows assembly line problem level 1 \(AWALBP-L1\)](#),” *Comput. Oper. Res.*, vol. 62, pp. 1–11, 2015.
174. J. F. Gebbia, P. Lloveras, A. Planes, T. Castán, and A. Saxena, “[Modelling shape-memory effects in ferromagnetic alloys](#),” *Shape Mem. superelasticity*, vol. 1, no. 3, pp. 347–358, 2015.

# articles

175. F. Gholami, R. Pàmies-Vilà, J. Koevecses, and J. M. Font-Llagunes, “[Effects of foot modelling on the human ankle kinematics and dynamics](#),” *Mech. Mach. theory*, vol. 93, pp. 175–184, 2015.
176. E. Gil, M. Gallart, P. Balsari, P. Marucco, M. P. Almajano, and J. Llop, “[Influence of wind velocity and wind direction on measurements of spray drift potential of boom sprayers using drift test bench](#),” *Agric. For. Meteorol.*, vol. 202, pp. 94–101, 2015.
177. F. Giménez, “[Finding hidden chemistry in ancient egyptian artifacts: Pigment degradation taught in a chemical engineering course](#),” *J. Chem. Educ.*, vol. 92, no. 3, pp. 456–462, 2015.
178. S. Giménez, S. Romero, J. F. Alonso, M. A. Mañanas, A. Pujol, P. Baxarias, and R. M. Antonijoan, “[Monitoring sleep depth: analysis of bispectral index \(BIS\) based on polysomnographic recordings and sleep deprivation](#),” *J. Clin. Monit. Comput.*, pp. 1–8, 2015.
179. M. Godoy, C. Mas-Moruno, K. Yu, J. Manero, F. J. Gil, J. Kizhakkedathu, and D. Rodriguez, “[Antibacterial Properties of hLf1-11 Peptide onto Titanium Surfaces: A Comparison Study Between Silanization and Surface Initiated Polymerization](#),” *Biomacromolecules*, vol. 16, no. 2, pp. 483–496, 2015.
180. M. Godoy, A. G. Rodríguez, L. M. Delgado, J. Manero, F. J. Gil, and D. Rodriguez, “[Silver deposition on titanium surface by electrochemical anodizing process reduces bacterial adhesion of Streptococcus sanguinis and Lactobacillus salivarius](#),” *Clin. Oral Implants Res.*, vol. 26, no. 10, pp. 1170–1179, 2015.
181. M. Godoy-Gallardo, Z. Wang, Y. Shen, J. Manero, F. J. Gil, D. Rodriguez, and M. Haapasale, “[Antibacterial coatings on titanium surfaces: A comparison study between in vitro single-species and multispecies biofilm](#),” *ACS Appl. Mater. interfaces*, vol. 7, no. 10, pp. 5992–6001, 2015.
182. M. Gómez Yepes, L. V Cremades, and J. Montoya, “[Evaluación de los desórdenes musculo-esqueléticos \(DMEs\) mediante el método ERIN: caso de los conductores de autobús de la Universidad del Quindío](#),” *ORP J.*, no. 5, p. 7, 2015.
183. A. Gomez, D. Cuiñas, P. Catala, L. Xin, W. Li, S. Conway, and D. Lack, “[Use of single board computers as smart sensors in the manufacturing industry](#),” *Procedia Eng.*, vol. 132, pp. 153–159, 2015.
184. J. Gómez-Monterde, M. Schulte, S. Ilijevic, J. Hain, D. Arencon, M. Sanchez-Soto, and M. Maspoch, “[Morphology and mechanical characterization of ABS foamed by microcellular injection molding](#),” *Procedia Eng.*, vol. 132, pp. 15–22, 2016.
185. Á. Gómez-Pau, L. Balado, and J. Figueras, “[Efficient production binning using octree tessellation in the alternate measurements space](#),” *IEEE Trans. Comput. Des. Integr. circuits Syst.*, 2016.
186. Á. Gómez-Pau, L. Balado, and J. Figueras, “[Diagnosis of parametric defects in dual axis IC accelerometers](#),” *Microsyst. Technol. Nanosyst. storage Process.*, vol. 21, no. 9, pp. 1855–1866, 2015.
187. E. Gonzalez, D. Serrano, R. Sureda, I. Casas, and J. De pablo, “[Dissolution experiments of commercial PWR \(52 MWd/kgU\) and BWR \(53 MWd/kgU\) spent nuclear fuel cladded segments in bicarbonate water under oxidizing conditions. Experimental determination of matrix and instant release fraction](#),” *J. Nucl. Mater.*, vol. 465, pp. 63–70, 2015.
188. F. González, J. Kövecses, and J. M. Font-Llagunes, “[Load assessment and analysis of impacts in multibody systems](#),” *Multibody Syst. Dyn.*, 2015.
189. G. Gonzalez, X. Fernandez-Francos, À. Serra, M. Sangermano, and X. Ramis, “[Environmentally-friendly processing of thermosets by two-stage sequentialaza-Michael addition and free-radical polymerization of amine-acrylate mixtures](#),” *Polym. Chem.*, vol. 6, no. 39, pp. 6987–6997, 2015.

# articles

190. E. Gordun, L. J. del Valle, M. Ginovart, and R. Carbo, “[Comparison of the microbial dynamics and biochemistry of laboratory sourdoughs prepared with grape, apple and yogurt](#),” *Food Sci. Technol. Int.*, vol. 21, no. 6, pp. 428–439, 2015.
191. S. Goto, L. O’Carroll, and F. A. Planas-Vilanova, “[Noncomplete intersection prime ideals in dimension 3](#),” *Kyoto J. Math.*, vol. 55, no. 2, pp. 461–475, 2015.
192. J. Graffelman, “[Exploring Diallelic genetic markers: The Hardy Weinberg package](#),” *J. Stat. Softw.*, vol. 64, no. 3, pp. 1–23, 2015.
193. J. Graffelman, S. Nelson, S. Gogarten, and B. Weir, “[Exact inference for Hardy-Weinberg proportions with missing genotypes: single and multiple imputation](#),” *G3-Genes Genomes Genet.*, vol. 5, no. 11, pp. 2365–2373, 2015.
194. P. Grima, L. Rodero, and J. Tort-Martorell, “[Explaining the Importance of Variability to Engineering Students](#),” *Am. Stat.*, 2015.
195. M. Guaita, U. Melia, M. Vallverdu, P. Caminal, I. Vilaseca, J. Monserrat, C. Gaig, F. Clarià, M. Salamero, and J. Santamaría, “[Characterization of daytime sleepiness by time-frequency measures of EEG signals](#),” *J. Med. Biol. Eng.*, vol. 35, no. 3, pp. 406–417, 2015.
196. M. Guaita, U. Melia, M. Vallverdu, P. Caminal, L. Vilaseca, J. Montserrat, C. Gaig, M. Salamero, and J. Santamaría, “[Regularity of cardiac rhythm as a marker of sleepiness in sleep disordered breathing](#),” *PLoS One*, 2015.
197. J. Gual, M. Puyuelo, and J. Lloveras, “[Improving tactile map usability through 3D printing techniques: an experiment with new tactile symbols](#),” *Cartogr. J.*, vol. 52, no. 1, pp. 51–57, 2015.
198. A. Guarnizo, I. Angurell, M. Rosell, J. Llorca, G. Müller, M. Seco, and O. Rossell, “[4-Mercaptophenyldiphenylphosphine as linker to immobilize Pd onto the surface of magnetite nanoparticles. Excellent catalytic efficiency of the system after partial linker removal](#),” *RSC Adv.*, vol. 5, no. 117, pp. 91340–91348, 2015.
199. D. Guaya, C. Valderrama, A. Farran, C. Armijos, and J. Cortina, “[Simultaneous phosphate and ammonium removal from aqueous solution by a hydrated aluminum oxide modified natural zeolite](#),” *Chem. Eng. J.*, vol. 271, pp. 204–213, 2015.
200. J. Guillem-Martí, C. Herranz, J. Shaffer, F. J. Gil, and J. Manero, “[Mechanical and microstructural characterization of new nickel-free low modulus beta-type titanium wires during thermomechanical treatments](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 636, pp. 507–515, 2015.
201. E. Gutierrez and X. S. Sala, “[Common rail diesel fuel injection management based on FPGA technology](#),” *Rev. IEEE América Lat.*, vol. 13, no. 7, pp. 2078–2084, 2015.
202. P. Gutiérrez, “[Review: E. Wamba et al., ‘Stability of matter-wave soliton in a time-dependent complicated trap’ \(Chaos Solitons Fractals 45, n.9-10, p.1121-1132\)](#),” *Math. Rev.*, 2016.
203. P. Gutiérrez, “[Review: B. Jovanovic and V. Jovanovic, ‘Contact flows and integrable systems’ \(J. Geom. Phys. 87:217-232, 2015\)](#),” *Math. Rev.*, 2015.
204. P. Gutiérrez, “[Review: C. Klimcik, ‘Quasihamiltonian bookkeeping of WZNW defects’ \(J. Geom. Phys. 76, p.25-37, 2014\)](#),” *Math. Rev.*, 2016.
205. P. Gutiérrez, “[Review of the paper: Fourth-degree polynomial integrals of a natural mechanical system on a two-dimensional torus. Authors: S.V. Agapov and D.N. Aleksandrov. Math. Notes, 93\(5-6\), 780-783, 2013.](#),” *Math. Rev.*, 2015.

# articles

206. D. Guzmán, X. Ramis, X. Fernandez-Francos, and À. Serra, “[Preparation of click thiol-ene/thiol-epoxy thermosets by controlled photo/thermal dual curing sequence](#),” *RSC Adv.*, vol. 5, no. 123, pp. 101623–101633, 2015.
207. D. Guzmán, X. Ramis, X. Fernandez-Francos, and À. Serra, “[Enhancement in the glass transition temperature in latent thiol-epoxy click cured thermosets](#),” *Polymers (Basel)*, vol. 7, no. 4, pp. 680–694, 2015.
208. T. Hammedi, M. Triki, M. Alvarez, R. Chimentao, Z. Ksibi, A. Ghorbel, J. Llorca, and F. Medina, “[Total degradation of p-hydroxybenzoic acid by Ru-catalysed wet air oxidation: a model for wastewater treatment](#),” *Environ. Chem. Lett.*, vol. 13, no. 4, pp. 481–486, 2015.
209. J. Haro and Y. Cai, “[An extended matter bounce scenario: current status and challenges](#),” *Gen. Relativ. Gravit.*, vol. 47, no. 8, 2015.
210. J. Haro and E. Elizalde, “[Gravitational particle production in bouncing cosmologies](#),” *J. Cosmol. Astropart. Phys.*, vol. 2015, 2015.
211. J. Haro, A. Makarenko, A. Myagky, S. Odintsov, and V. Oikonomou, “[Bouncing loop quantum cosmology in Gauss-Bonnet gravity](#),” *Phys. Rev. D - Part. fields, Gravit. Cosmol.*, vol. 92, no. 12, 2015.
212. A. Hedayati, O. Le Corre, B. Lacarriere, and J. Llorca, “[Exergetic study of catalytic steam reforming of bio-ethanol over Pd-Rh/CeO<sub>2</sub> with hydrogen purification in a membrane reactor](#),” *Int. J. Hydrogen Energy*, vol. 40, no. 8, pp. 3574–3581, 2015.
213. A. Hedayati, O. Le Corre, B. Lacarriere, and J. Llorca, “[Experimental and exergy evaluation of ethanol catalytic steam reforming in a membrane reactor](#),” *Catal. today*, 2015.
214. B. Hemmatian, E. Planas, and J. Casal, “[Fire as a primary event of accident domino sequences: The case of BLEVE](#),” *Reliab. Eng. Syst. Saf.*, vol. 139, pp. 141–148, 2015.
215. T. Henriet, B. Nicolai, C. Ghaddar, M. Del Barrio, B. Do, N. Yagoubi, J. L. Tamarit, and I. Rietveld, “[Triethylenetetramine dihydrochloride: interactions and conformations in two anhydrous structures and a hydrate](#),” *Cryst. growth Des.*, vol. 15, no. 1, pp. 348–357, 2015.
216. D. Heredero-Peris, M. Pages, and D. Montesinos-Miracle, “[Convertidores smart para las redes del futuro](#),” *Automática e instrumentación*, vol. Maig 2015, no. 473, pp. 49–52, 2015.
217. M. Hermassi, C. Valderrama, J. Dosta, J. Cortina, and N. Batis, “[Evaluation of hydroxyapatite crystallization in a batch reactor for the valorization of alkaline phosphate concentrates from wastewater treatment plants using calcium chloride](#),” *Chem. Eng. J.*, vol. 267, pp. 142–152, 2015.
218. M. Á. Hernández-Ceballos, A. Vargas, D. Arnold, and J. P. Bolívar Raya, “[The role of mesoscale meteorology in modulating the Rn-222 concentrations in Huelva \(Spain\) - impact of phosphogypsum piles](#),” *J. Environ. Radioact.*, vol. 145, pp. 1–9, 2015.
219. M. Hernando, M. Mora, and I. M. Pelayo, “[On global location-domination in graphs](#),” *ARS Math. Contemp.*, vol. 8, no. 2, pp. 365–379, 2015.
220. C. Herranz, F. J. Gil, J. Guillem-Martí, and J. Manero, “[Mechanical and physicochemical characterization along with biological interactions of a new Ti25Nb21Hf alloy for bone tissue engineering](#),” *J. Biomater. Appl.*, vol. 30, no. 2, pp. 171–181, 2015.
221. C. Herranz-Diez, Q. Li, C. Lamprecht, C. Mas-Moruno, S. Neubauer, H. Kessler, J. Manero, J. Guillem-Martí, and C. Selhuber-Unkel, “[Bioactive compounds immobilized on Ti and TiNbHf: AFM-based investigations of biofunctionalization efficiency and cell adhesion](#),” *Colloids Surfaces B: Biointerfaces*, vol. 136, pp. 704–711, 2016.

# articles

222. M. Hidalgo and R. Joan-Arinyo, “[h-graphs : a new representation for tree decompositions of graphs](#),” *Comput. Des.*, vol. 67, no. Issue C, pp. 38–47, 2015.
223. V. Hidalgo, X. Escaler, R. Soto, E. Valencia, E. Cando, and X. Luo, “[Large eddy simulation of partial cavitation around a 2D plane-convex hydrofoil](#),” *Rev. politécnica*, vol. 35, no. 1, pp. 28–34, 2015.
224. V. Hidalgo, X. Luo, X. Escaler, B. Ji, and A. Aguinaga, “[Implicit large eddy simulation of unsteady cloud cavitation around a plane-convex hydrofoil](#),” *J. Hydodyn.*, vol. 27, no. 6, pp. 815–823, 2015.
225. K. Hjaila, L. Puigjaner, and A. Espuña, “[Scenario-based price negotiations vs. game theory in the optimization of coordinated supply chains](#),” *Comput. aided Chem. Eng.*, vol. 37, pp. 1859–1864, 2016.
226. I. Huerta, M. Pedersoli, J. González, and A. Sanfeliu, “[Combining where and what in change detection for unsupervised foreground learning in surveillance](#),” *Pattern Recognit.*, vol. 48, no. 3, pp. 709–719, 2015.
227. J. Iribarren, I. Buj, J. Vivancos, C. Aleman, and E. Armelin, “[Silane and epoxy coatings: A bilayer system to protect AA2024 alloy](#),” *Prog. Org. coatings*, vol. 81, pp. 47–57, 2015.
228. K. Ivanova, M. M. Macedo, A. Francesko, E. Mendoza, and T. Tzanov, “[Quorum-quenching and matrix-degrading enzymes in multilayer coatings synergistically prevent bacterial biofilm formation on urinary catheters](#),” *ACS Appl. Mater. interfaces*, vol. 7, no. 49, pp. 27066–27077, 2015.
229. K. Ivanova, M. M. Macedo, E. Mendoza, and T. Tzanov, “[Enzyme multilayer coatings inhibit Pseudomonas aeruginosa biofilm formation on urinary catheters](#),” *Appl. Microbiol. Biotechnol.*, vol. 99, no. 10, pp. 4373–4385, 2015.
230. N. J. Divins, A. Casanovas, W. Xu, S. Senanayake, D. Wiater, A. Trovarelli, and J. Llorca, “[The influence of nano-architectured CeO<sub>x</sub> supports in RhPd/CeO<sub>2</sub> for the catalytic ethanol steam reforming reaction](#),” *Catal. today*, vol. 253, pp. 99–105, 2015.
231. J. Jaen and A. Molina, “[On the meaning of Painlevé–Gullstrand synchronization](#),” *Gen. Relativ. Gravit.*, vol. 47, no. 12, pp. 152–168, 2015.
232. C. Japu, A. Martínez de Ibarra, A. Alla, Y. Jiang, K. Loos, and S. Muñoz, “[Copolymers made from 1,4-butanediol, sebacic acid, and D-glucose by melt and enzymatic polycondensation](#),” *Biomacromolecules*, vol. 16, no. 3, pp. 868–879, 2015.
233. A. Johnston, Y. Zhang, S. Busch, L. Pardo, S. Imberti, and S. McLain, “[Amphipathic solvation of indole: implications for the role of tryptophan in membrane proteins](#),” *J. Phys. Chem. B*, vol. 119, no. 19, pp. 5979–5987, 2015.
234. H. Kojooyan, L. Monjo, F. Corcoles, and J. Pedra, “[Using the instantaneous power of a free acceleration test for squirrel-cage motor parameters estimation](#),” *IEEE Trans. energy Convers.*, vol. 30, no. 3, pp. 974–982, 2015.
235. M. Koller, M. Miranda-de Sousa Dias, A. Rodriguez, M. Kunaver, E. Zagar, A. Krzan, and G. Braunegg, “[Liquefied Wood as Inexpensive Precursor-Feedstock for Bio-Mediated Incorporation of \(R\)-3-Hydroxyvalerate into Polyhydroxyalkanoates](#),” *Materials (Basel)*, vol. 8, no. 9, pp. 6543–6557, 2015.
236. T. Kompen, J. M. Monguet, and M. Brigos, “[The ever-evolving personal learning environment](#),” *Q. Rev. distance Educ.*, 2015.
237. A. Kovtun, M. goeckelmann, E. Montufar, M. P. Ginebra, J. Planell, M. Santin, and A. Ignatius, “[In vivo performance of novel soybean/gelatin-based bioactive and injectable hydroxyapatite foams](#),” *Acta Biomater.*, vol. 12, pp. 242–249, 2015.
238. A. Krivchikov, G. A. Vdovichenko, O. Korolyuk, F. Bermejo, L. Pardo, J. L. Tamarit, A. Jezowski, and D. Szewczyk,

# articles

- "Effects of site-occupation disorder on the low-temperature thermal conductivity of molecular crystals," *J. Non. Cryst. Solids*, vol. 407, pp. 141–148, 2015.
239. C. Labay, J. M. Canal, M. Modic, U. Cvelbar, M. T. Quiles, M. Armengol, M. A. Arbós, F. J. Gil, and C. Canal, "Antibiotic-loaded polypropylene surgical meshes with suitable biological behavior by plasma functionalization and polymerization," *Biomaterials*, vol. 71, pp. 132–144, 2015.
240. F. J. Lana, A. Burgueño, C. Serra, and M. D. Martinez, "Fractal structure and predictive strategy of the daily extreme temperature residuals at Fabra Observatory (NE Spain, years 1917-2005)," *Theor. Appl. Climatol.*, vol. 121, no. 1–2, pp. 225–241, 2015.
241. C. Lederer, C. Massimi, E. Berthoumieux, F. Calviño, G. Cortes, M. B. Gómez-Hornillos, and A. Riego, "Erratum: 62Ni(n,γ) and 63Ni(n,γ) cross sections measured at the n\_TOF facility at CERN," *Phys. Rev. C*, vol. 92, no. 1, p. 19903, 2015.
242. S. Lee, H. Yun, R. Perez, S. Gallinetti, M. P. Ginebra, S. Choi, H.-W. Kim, and E. Kim, "Nanotopological-tailored calcium phosphate cements for the odontogenic stimulation of human dental pulp stem cells through integrin signaling," *RSC Adv.*, vol. 5, no. 78, pp. 63363–63371, 2015.
243. R. Levato, J. Planell, M. Mateos, and E. Engel, "Role of ECM/peptide coatings on SDF-1α triggered mesenchymal stromal cell migration from microcarriers for cell therapy," *Acta Biomater.*, vol. 18, pp. 59–67, 2015.
244. E. Licon, M. Reig, P. Villanova, C. Valderrama, O. Gibert, and J. Cortina, "Ammonium removal by liquid–liquid membrane contactors in water purification process for hydrogen production," *Desalin. water Treat.*, vol. 56, no. 13, pp. 3607–3616, 2015.
245. P. Lillo, L. Ferrer-Martí, A. Boni, and Á. Fernández-Baldor, "Assessing management models for off-grid renewable energy electrification projects using the human development approach: Case study in Peru," *Energy Sustain. Dev. J. Int. energy Initiat.*, vol. 25, pp. 17–26, 2015.
246. P. Lillo, L. Ferrer-Martí, Á. Fernández-Baldor, and B. Ramírez, "A new integral management model and evaluation method to enhance sustainability of renewable energy projects for energy and sanitation services," *Energy Sustain. Dev. J. Int. energy Initiat.*, vol. 29, pp. 1–12, 2016.
247. T. Lledó-Ponsati and D. Montesinos-Miracle, "Semiconductores de banda de prohibición ancha," *Automática e instrumentación*, no. 473, pp. 38–43, 2015.
248. M. Llonch and D. Montesinos-Miracle, "La conmutación del inversor trifásico, estrategia y comprensión," *Automática e instrumentación*, vol. Maig 2015, no. 473, pp. 44–47, 2015.
249. E. Llorens, S. Calderon, L. J. del Valle, and J. Puiggali, "Polybiguanide (PHMB) loaded in PLA scaffolds displaying high hydrophobic, biocompatibility and antibacterial properties," *Mater. Sci. Eng. C. Biomim. Supramol. Syst.*, vol. 50, pp. 74–84, 2015.
250. E. Llorens, L. J. del Valle, and J. Puiggali, "Electrospun scaffolds of polylactide with a different enantiomeric content and loaded with anti-inflammatory and antibacterial drugs," *Macromol. Res.*, vol. 23, no. 7, pp. 636–648, 2015.
251. E. Llorens, H. Ibañez, L. J. del Valle, and J. Puiggali, "Biocompatibility and drug release behavior of scaffolds prepared by coaxial electrospinning of poly(butylene succinate) and polyethylene glycol," *Mater. Sci. Eng. C. Biomim. Supramol. Syst.*, vol. 49, pp. 472–484, 2015.
252. P. Lloveras, E. Stern, M. Del Barrio, J. L. Tamarit, S. Crossley, W. Li, V. Pomjakushin, A. Planes, L. Mañosa Carrera, N. Mathur, and X. Moya, "Giant barocaloric effects at low pressure in ferrielectric ammonium sulphate," *Nat. Commun.*, vol. 6, pp. 8801–8806, 2015.

# articles

253. D. V Lombarte, L. Monjo, L. Sainz, and J. Pedra, “[Model of aeronautical ground lighting system transformers](#),” *IET Electr. power Appl.*, vol. 9, no. 3, pp. 239–247, 2015.
254. M. Lopez, J. A. Escartín, S. Martinez, R. Fernandez, L. Querol, S. Romero, M. A. Mañanas, and J. Riba, “[Neurophysiological evidence of compensatory brain mechanisms in early-stage multiple sclerosis](#),” *PLoS One*, vol. 10, no. 8, 2015.
255. O. Lordan, J. Sallan, P. Simo, and D. Gonzalez-Prieto, “[Robustness of airline alliance route networks](#),” *Commun. nonlinear Sci. Numer. Simul.*, vol. 22, no. 1–3, pp. 587–595, 2015.
256. J. Luna, A. Husar, and M. Serra, “[Nonlinear distributed parameter observer design for fuel cell systems](#),” *Int. J. Hydrogen Energy*, vol. 40, no. 34, pp. 11322–11332, 2015.
257. J. Luna, C. A. Ocampo-Martinez, and M. Serra, “[Nonlinear predictive control for the concentrations profile regulation under unknown reaction disturbances in a fuel cell anode gas channel](#),” *J. Power Sources*, vol. 282, no. May, pp. 129–139, 2015.
258. S. Maione, G. Fabregat, L. J. del Valle, A. Bendrea, L. Cianga, I. Cianga, F. Estrany, and C. Aleman, “[Effect of the graft ratio on the properties of polythiophene-g-poly\(ethylene glycol\)](#),” *J. Polym. Sci. B. Polym. Phys.*, vol. 53, no. 4, pp. 239–252, 2015.
259. S. Maione, A. Gil, G. Fabregat, L. J. del Valle, J. Triguero, A. Laurent, D. Jacquemin, F. Estrany, A. Jimenez, D. Zanuy, C. Cativiela, and C. Aleman, “[Electroactive polymer-peptide conjugates for adhesive biointerfaces](#),” *Biomater. Sci.*, vol. 3, no. 10, pp. 1395–1405, 2015.
260. S. Maity, D. Zanuy, Y. Razvag, P. Das, C. Aleman, and M. Reches, “[Elucidating the mechanism of interaction between peptides and inorganic surfaces](#),” *Phys. Chem. Chem. Phys.*, vol. 17, no. 23, pp. 15305–15315, 2015.
261. N. Marin, M. Cantini, C. Gonzalez, E. Salvagni, M. Salmerón-Sánchez, and M. P. Ginebra, “[Different Organization of Type I Collagen Immobilized on Silanized and Nonsilanized Titanium Surfaces Affects Fibroblast Adhesion and Fibronectin Secretion](#),” *ACS Appl. Mater. interfaces*, vol. 7, no. 37, pp. 20667–20677, 2015.
262. Y. Marquez, M. Franco, J. Martínez, F. Estrany, P. Turon, and J. Puiggali, “[Spherulitic morphologies of the triblock Poly\(GL\)-b-poly\(GL-co-TMC-co-CL\)-b-poly\(GL\) copolymer: Isothermal and non-isothermal crystallization studies](#),” *Eur. Polym. J.*, vol. 73, pp. 222–226, 2015.
263. Y. Marquez, J. Martinez, P. Turon, M. Franco, and J. Puiggali, “[Influence of pH on morphology and structure during hydrolytic degradation of the segmented GL-b-\[GL-co-TMC-co-CL\]-b-GL copolymer](#),” *Fibers*, vol. 3, no. 3, pp. 348–372, 2015.
264. F. G. Marro, A. Mestra, E. Jimenez-Pique, S. Ozbayraktar, and L. Llanes, “[Damage induced by monotonic and cyclic spherical indentation in polycrystalline diamond \(PCD\)](#),” *Int. J. Refract. Met. hard Mater.*, vol. 49, pp. 292–301, 2015.
265. D. Martelo, A. Mateo, and M. Chapetti, “[Crack closure and fatigue crack growth near threshold of a metastable austenitic stainless steel](#),” *Int. J. Fatigue*, vol. 77, pp. 64–77, 2015.
266. D. Martelo, A. Mateo, and M. Chapetti, “[Fatigue crack growth of a metastable austenitic stainless steel](#),” *Int. J. Fatigue*, vol. 80, pp. 406–416, 2015.
267. M. Martí, E. Armelin, J. Iribarren, and C. Aleman, “[A simple constitutive model for predicting flow stress of medium carbon microalloyed steel during hot deformation](#),” *Mater. Corros.*, vol. 66, no. 1, pp. 23–30, 2015.

# articles

268. D. Martin, M. Molmeneu, M. Fernandez, M. Punset, L. Giner, J. Armengou, and F. J. Gil, “[Determination of fluid leakages in the different screw-retained implant-abutment connections in a mechanical artificial mouth](#),” *J. Mater. Sci. Mater. Med.*, vol. 26, no. 7, 2015.
269. M. Martínez Cid, J. Dies, C. Tapia, and P. Diaz, “[Outage Key Safety Functions Configuration risk assessment for a three loops Westinghouse PWR](#),” *Nucl. Eng. Des.*, vol. 291, pp. 271–276, 2015.
270. A. Martinez, J. Gimenez, J. Pablo, and I. Casas, “[UO2 as new filling material for cesium retention in high-level nuclear waste repositories](#),” *Environ. Eng. Sci.*, vol. 32, no. 10, pp. 854–857, 2015.
271. J. Martínez, N. Pla, and M. Vigo, “[The three-dimensional cube and scale cube skeleton](#),” *Vis. Comput.*, vol. 31, no. 9, pp. 1233–1253, 2015.
272. M. Martinez, M. Mas-Machuca, and J. Olivella, “[Políticas de staffing de las empresas líderes de consultoría. Un estudio de casos](#),” *Universia Bus. Rev.*, no. 48, pp. 152–189, 2015.
273. C. Mas-Moruno, B. Garrido, D. Rodriguez, E. Rupérez de Gracia, and F. J. Gil, “[Biofunctionalization strategies on tantalum-based materials for osseointegrative applications](#),” *J. Mater. Sci. Mater. Med.*, vol. 26, no. 2, pp. 109–112, 2015.
274. M. Maspoch, O. Santana, J. Cailloux, E. Franco-Urquiza, C. Rodríguez, J. Belzunce Varela, and A. B. Martinez, “[Ductile-brittle transition behaviour of PLA/o-MMT films during the physical aging process](#),” *Express Polym. Lett.*, vol. 9, no. 3, pp. 185–195, 2015.
275. M. Massa, “[Massa Esteve, Mª Rosa, review of the article: 'And John Napier created logarithms...'.Derek Thomas Whiteside. BSHM Bull. 29, Nº 3, 154-166 \(2014\). Zentralblatt Math](#),” *Zentralblatt MATH*, 2016.
276. M. Massa, “[Massa Esteve, M. Rosa, review of the book: Magnificent Principia. Exploring Isaac Newton's masterpiece. Colin Pask. Amherst, NY: Prometheus Books \(ISBN 978-1-61614-745-7/hbk; 978-1-61614-746-4/ebook\). 528 p. \(2013\). Zentralblatt Math](#),” *Zentralblatt MATH*, 2016.
277. M. Massa, “[Massa Esteve, M. Rosa, review of the article On remembering Cardano Anew. Davis Rowe \(ed.\), Albrecht Heeffer and Tony Rothman. Math. Intell. 36 Nº 4, 53-66 \(2014\). Zentralblatt Math](#),” *Zentralblatt MATH*, 2016.
278. M. Massa, “[Massa Esteve, M. Rosa, review of the article "Descartes and the Bologna affair. Gideon Manning. Br. J. Hist. Sci. 47. Nº 1, 1-13 \(2014\). Zentralblatt MATH](#),” *Zentralblatt MATH*, 2016.
279. M. Massa, “[Massa Esteve, Mª Rosa, review of the article Napier revisited or A new look at the computation of his logarithms.Joachim Fisher & Bärbel Ruess. BSHM Bull. 29, Nº 3, 167-183 \(2014\). Zentralblatt Math](#),” *Zentralblatt MATH*, 2016.
280. A. Mateo, G. Fargas, J. Calvo, and J. J. Roa, “[Influence of laser cutting on the fatigue limit of two high strength steels](#),” *Mater. Test.*, vol. 57, no. 2, pp. 136–140, 2015.
281. E. Mayans, G. Ballano, J. Casanovas Salas, A. Diaz, M. M. Pérez-Madrigal, F. Estrany, J. Puiggali, C. A. Cativiela Marín, and C. Aleman, “[Self-assembly of tetraphenylalanine peptides](#),” *Chem. a Eur. J.*, vol. 21, pp. 16895–16905, 2015.
282. C. A. Mayora-Curzio, L. V Cremades, and J. Cusido, “[El Grafeno. Parte II: procesos y viabilidad de su producción](#),” *Dyna*, vol. 90, no. 4, pp. 344–347, 2015.
283. C. A. Mayora-Curzio, L. V Cremades, and J. Cusido, “[El Grafeno. Parte I: estructura, propiedades y aplicaciones](#),” *Dyna*, vol. 90, no. 3, pp. 232–235, 2015.

# articles

284. S. Medina, A. Abdelaleem, J. Silvente, and A. Espuña, “[A meta-multiparametric framework: Application to the operation of bio-based energy supply chains](#),” *Comput. aided Chem. Eng.*, vol. 37, pp. 1955–1960, 2016.
285. I. Mejía, F. Reyes, and J. Cabrera, “[Modeling the hot flow behavior of a Fe-22Mn-0.41C-1.6Al-1.4Si TWIP steel microalloyed with Ti, V and Nb](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 644, pp. 374–385, 2015.
286. I. Mejía, A. Salas, J. Calvo, and J. Cabrera, “[Effect of Ti and B microadditions on the hot ductility behavior of a high-Mn austenitic Fe-23Mn-1.5Al-1.3Si-0.5C TWIP steel](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 648, pp. 311–319, 2015.
287. U. Melia, M. Vallverdu, X. Borrat, M. Jospin, J. F. Valencia, E. W. Jensen, P. Gambus, and P. Caminal, “[Prediction of nociceptive responses during sedation by linear and non-linear measures of EEG signals in high frequencies](#),” *PLoS One*, vol. 10, no. 4, 2015.
288. L. Melk, M. Antti, and M. Anglada, “[Material removal mechanisms by EDM of zirconia reinforced MWCNT nanocomposites](#),” *Ceram. Int.*, vol. 42, pp. 5792–5801, 2015.
289. L. Melk, J. J. Roa, F. G. Marro, M. Antti, B. Milsom, M. Reece, and M. Anglada, “[Nanoindentation and fracture toughness of nanostructured zirconia/multi-walled carbon nanotube composites](#),” *Ceram. Int.*, vol. 41, no. 2, pp. 2453–2461, 2015.
290. J. Menacho and J. Sola-morales, “[Convergence to steady-state and boundary layer profiles in a linear chromatography system](#),” *SIAM J. Appl. Math.*, vol. 75, no. 2, pp. 745–761, 2015.
291. J. J. Mesas, L. Sainz, and P. Sala-Pérez, “[Statistical study of personal computer cluster harmonic currents from experimental measurements](#),” *Electr. power components Syst.*, vol. 43, no. 1, pp. 56–68, 2015.
292. G. Mestres, M. Español, W. Xia, C. Persson, M. P. Ginebra, and M. Karlsson, “[Inflammatory response to nano- and microstructured hydroxyapatite](#),” *PLoS One*, vol. 10, no. 4, 2015.
293. C. Migliorelli, J. F. Alonso, S. Romero, M. A. Mañanas, R. Nowak, and A. Russi, “[Automatic BSS-based filtering of metallic interference in MEG recordings: definition and validation using simulated signals](#),” *J. Neural Eng.*, vol. 12, pp. 46001–46012, 2015.
294. J. Minguella-Canela, “[¿Imprimiremos casas en el espacio? Por qué la fabricación digital cambiará nuestro mundo y por qué todavía no lo ha cambiado](#),” *Investig. Cienc.*, no. 460, pp. 11–13, 2015.
295. A. Miralles, E. Pastor, E. Planas, and M. Ramos Martins, “[Experimental data and CFD performance for cloud dispersion analysis: The USP-UPC project](#),” *J. Loss Prev. Process Ind.*, vol. 38, pp. 125–138, 2015.
296. B. Miranda, R. Chimentao, J. Szanyi, A. Braga, J. Santos, F. Gispert, J. Llorca, and F. Medina Cabello, “[Influence of copper on nickel-based catalysts in the conversion of glycerol](#),” *Appl. Catal. B. Environ.*, vol. 166, pp. 166–180, 2015.
297. L. Monjo, F. Corcoles, and J. Pedra, “[Parameter estimation of squirrel-cage motors with parasitic torques in the torque-slip curve](#),” *IET Electr. power Appl.*, vol. 9, no. 5, pp. 377–387, 2015.
298. L. Monjo, H. Kojooyan, F. Corcoles, and J. Pedra, “[Squirrel-cage induction motor parameter estimation using a variable frequency test](#),” *IEEE Trans. energy Convers.*, vol. 30, no. 2, pp. 550–557, 2015.
299. L. Monjo and L. Sainz, “[Study of resonances in 1 x 25 kV AC traction systems](#),” *Electr. power components Syst.*, vol. 43, no. 15, pp. 1771–1780, 2015.

# articles

300. L. Monjo, L. Sainz, J. Liang, and J. Pedra, “[Study of resonance in wind parks](#),” *Electr. power Syst. Res.*, vol. 128, pp. 30–38, 2015.
301. M. Monterrubio, F. J. Lana, and M. D. Martinez, “[Aftershock sequences of three seismic crises at southern California, USA, simulated by a cellular automata model based on self-organized criticality](#),” *Geosci. J.*, vol. 19, no. 1, pp. 81–95, 2015.
302. J. Morancho, X. Fernandez-Franco, X. Ramis, J. Salla, and À. Serra, “[Photocuring and thermal post-curing of a cycloaliphatic epoxide resin with a trithiol and a vinyl epoxy compound](#),” *J. Therm. Anal. Calorim.*, vol. 121, pp. 389–395, 2015.
303. M. Moreno, C. Dombayci, A. Espuña, and L. Puigjaner, “[Optimisation of industrial scale batch systems: Addressing the inherent dynamics through stochastic and hybrid approaches](#),” *Chem. Eng. Trans.*, vol. 45, pp. 1789–1794, 2016.
304. M. Moreno, C. Dombayci, A. Espuña, and L. Puigjaner, “[Integrated process and plant design optimisation of industrial scale batch systems: Addressing the inherent dynamics through stochastic and hybrid approaches](#),” *Chem. Eng. Trans.*, vol. 45, pp. 1789–1794, 2015.
305. I. Moyano, R. Bermejo, N. Salan, E. Chicardi, F. Gotor, L. Llanes, and Y. Torres, “[Resistencia mecánica de carburos cementados: influencia de la temperatura y la microestructura](#),” *An. mecánica la Fract.*, vol. 32, pp. 172–177, 2015.
306. S. K. Murase, M. Aymat, A. Calvet, L. J. del Valle, and J. Puiggali, “[Electrosprayed poly\(butylene succinate\) microspheres loaded with indole derivatives: A system with anticancer activity](#),” *Eur. Polym. J.*, vol. 71, pp. 196–209, 2015.
307. S. K. Murase, M. Casas, J. Martínez, F. Estrany, M. Franco, and J. Puiggali, “[Reversible changes induced by temperature in the spherulitic birefringence of nylon 6.9](#),” *Polymer (Guildf.)*, vol. 76, pp. 34–45, 2015.
308. S. K. Murase, L. J. del Valle, S. Kobauri, R. Katsarava, and J. Puiggali, “[Electrospun fibrous mats from a L-phenylalanine based poly\(ester amide\): Drug delivery and accelerated degradation by loading enzymes](#),” *Polym. Degrad. Stab.*, vol. 119, pp. 275–287, 2015.
309. S. K. Murase, A. Kaltbeitzel, K. Landfester, L. J. del Valle, R. Katsarava, J. Puiggali, and D. Crespy, “[Amino acid-based poly\(ester amide\) nanofibers for tailored enzymatic degradation prepared by miniemulsion-electrospinning](#),” *RSC Adv.*, vol. 5, no. 68, pp. 55006–55014, 2015.
310. A. Nadal, I. Cerón, E. Cuerva, X. Gabarrell, A. Josa, O. Pons-Valladares, J. RieraDevall, and E. Sanyé-Mengual, “[Agricultura urbana en el marc d'un urbanisme sostenible](#),” *Temes de disseny*, vol. 2015, no. 31, pp. 92–103, 2015.
311. M. Neagu, L. Miclea, and S. Manich, “[Improving security in cache memory by power efficient scrambling technique](#),” *IET Comput. Digit. Tech.*, pp. 1–10, 2015.
312. B. Nicolai, J. Itie, M. Del Barrio, J. L. Tamarit, and I. Rietveld, “[Thermodynamics by synchrotron X-ray diffraction: phase relationships and crystal structure of L-tyrosine ethyl ester form III](#),” *CrystEngComm*, vol. 17, no. 21, pp. 3974–3984, 2015.
313. C. Ohman, J. Unusson, E. Carlsson, M. P. Ginebra, C. Persson, and H. Engqvist, “[Porosity prediction of calcium phosphate cements based on chemical composition](#),” *J. Mater. Sci. Mater. Med.*, vol. 26, no. 7, 2015.
314. Z. Olikara, J. J. Masdemont, and G. Gomez Muntané, “[Dynamic mechanisms for spacecraft disposal from Sun-Earth libration points](#),” *J. Guid. Control Dyn.*, vol. 38, no. 10, pp. 1976–1989, 2015.
315. P. Olivella, R. Villafafila-Robles, A. Sumper, and J. Bergas, “[Probabilistic agent-based model of electric vehicle charging demand to analyse the impact on distribution networks](#),” *Energies*, no. 8, pp. 4160–4187, 2015.

# articles

316. P. Oller, E. Muntan, D. Garcia, G. Furdada Bellavista, C. Baeza, and C. Angulo, “[Characterizing major avalanche episodes in space and time in the twentieth and early twenty-first centuries in the Catalan Pyrenees](#),” *Cold Reg. Sci. Technol.*, vol. 110, pp. 129–148, 2015.
317. O. Osegueda, A. Dafinov, F. Medina Cabello, J. Llorca, and J. E. Sueiras, “[Heterogeneous catalytic oxidation of phenol by in situ generated hydrogen peroxide applying novel catalytic membrane reactors](#),” *Chem. Eng. J.*, vol. 262, pp. 344–355, 2015.
318. R. Palomino, J. Magee, J. Llorca, S. D. Senanayake, and M. White, “[The effect of Fe-Rh alloying on CO hydrogenation to C<sub>2</sub>+ oxygenates](#),” *J. Catal.*, vol. 329, pp. 87–94, 2015.
319. C. Paradela, M. Calviani, D. Tarrío, F. Calviño, G. Cortes, M. B. Gómez-Hornillos, C. Pretel, and A. Riego, “[High-accuracy determination of the <sup>238</sup>U/ <sup>235</sup>U fission cross section ratio up to ~1 GeV at n\\_TOF at CERN](#),” *Phys. Rev. C*, vol. 91, pp. 24602–24611, 2015.
320. L. Pardo, A. Henao, and A. Vispa, “[Characterizing ordering in liquids: An information theoretic approach](#),” *J. Non. Cryst. Solids*, vol. 407, pp. 220–227, 2015.
321. V. Paredes, E. Salvagni, E. Rodriguez, F. J. Gil, and J. Manero, “[Study on the use of 3-aminopropyltriethoxysilane and 3-chloropropyltriethoxysilane to surface biochemical modification of a novel low elastic modulus Ti-Nb-Hf alloy](#),” *J. Biomed. Mater. Res. B. Appl. Biomater.*, vol. 103, no. 3, pp. 495–502, 2015.
322. J. Parra, A. Guardo, E. Egusquiza, and P. Alavedra, “[Thermal performance of ventilated double skin façades with Venetian blinds](#),” *Energies*, vol. 8, pp. 4882–4898, 2015.
323. P. Pascual, “[Alexander Grothendieck \(1928-2014\)](#),” *SCM/Notícies*, no. 37, pp. 15–20, 2015.
324. R. Pastor, A. García-Villoria, M. Laguna, and R. Martí, “[Metaheuristic procedures for the lexicographic bottleneck assembly line balancing problem](#),” *J. Oper. Res. Soc.*, vol. 66, no. 11, pp. 1815–1825, 2015.
325. D. Pastorino, C. Canal, and M. P. Ginebra, “[Drug delivery from injectable calcium phosphate foams by tailoring the macroporosity-drug interaction](#),” *Acta Biomater.*, vol. 12, pp. 250–259, 2015.
326. D. Pastorino, C. Canal, and M. P. Ginebra, “[Multiple characterization study on porosity and pore structure of calcium phosphate cements](#),” *Acta Biomater.*, vol. 28, pp. 205–214, 2016.
327. O. Pereira, P. Catala, A. Rodríguez, T. Ostra, J. Vivancos, A. Rivero, and L. López de la Calle, “[The use of hybrid CO<sub>2</sub>+MQL in machining operations](#),” *Procedia Eng.*, vol. 132, pp. 492–499, 2015.
328. R. S. Peres, E. Armelin, C. Aleman, and C. A. Ferreira, “[Modified tannin extracted from black wattle tree as an environmentally friendly antifouling pigment](#),” *Ind. Crops Prod.*, vol. 65, pp. 506–514, 2015.
329. R. S. Peres, E. Armelin, J. Moreno, C. Aleman, and C. A. Ferreira, “[Antifouling properties of papain-based antifouling coatings](#),” *Appl. Surf. Sci.*, vol. 341, pp. 75–85, 2015.
330. A. Perez, J. Veciana, M. Vázquez, and E. Lagunas, “[Distributed power control with received power constraints for time-area-spectrum licenses](#),” *Signal processing*, vol. 120, pp. 141–155, 2015.
331. E. Perez, M. Cinta, M. Aguiló, J. Llorca, Y. Cesteros, F. Diaz, J. Pallarès, L. Marsal, and P. Salagre, “[Influence of acid-base properties of calcined MgAl and CaAl layered double hydroxides on the catalytic glycerol etherification to short-chain polyglycerols](#),” *Chem. Eng. J.*, vol. 264, pp. 547–556, 2015.
332. M. Perez, D. Curcó, R. Bringue, C. Aleman, and M. Iborra, “[Atomistic simulations of the structure of highly crosslinked sulfonated poly\(styrene-co-divinylbenzene\) ion exchange resins](#),” *Soft Matter*, vol. 11, no. 11, pp. 2251–2267, 2015.

# articles

333. M. Perez, D. Curcó, R. Bringue, M. Iborra, F. Rodriguez, N. Van der Vegt, and C. Aleman, “[1-Butanol absorption in poly\(styrene-divinylbenzene\) ion exchange resins for catalysis](#),” *Soft Matter*, vol. 11, no. 47, pp. 9144–9149, 2015.
334. S. Perez, J. Zuriaga, P. Serra, A. Wolfenson, P. Negrier, and J. L. Tamarit, “[Dynamic characterization of crystalline and glass phases of deuterated 1,1,2,2 tetrachloroethane](#),” *J. Chem. Phys.*, vol. 143, no. 13, pp. 134502–134508, 2015.
335. M. M. Pérez-Madrigal, E. Armelin, J. Puiggali, and C. Aleman, “[Insulating and semiconducting polymeric free-standing nanomembranes with biomedical applications](#),” *J. Mater. Chem. B*, vol. 3, no. 29, pp. 5904–5932, 2015.
336. M. M. Pérez-Madrigal, L. Cianga, L. J. del Valle, I. Cianga, and C. Aleman, “[Electroactive and bioactive films of random copolymers containing terthiophene, carboxyl and Schiff base functionalities in the main chain](#),” *Polym. Chem.*, vol. 6, no. 23, pp. 4319–4335, 2015.
337. M. M. Pérez-Madrigal, L. J. del Valle, E. Armelin, C. Michaux, G. Roussel, E. Perpete, and C. Aleman, “[Polypyrrole-Supported Membrane Proteins for Bio-Inspired Ion Channels](#),” *ACS Appl. Mater. Interfaces*, vol. 7, no. 3, pp. 1632–1643, 2015.
338. D. Pérez-Palau, J. J. Masdemont, and G. Gomez Muntané, “[Tools to detect structures in dynamical systems using Jet Transport](#),” *Celest. Mech. Dyn. Astron.*, vol. 123, no. 3, pp. 239–262, 2015.
339. C. Persson, E. Robert, E. Carlsson, C. Robo, A. López-Gil, M. P. Ginebra, M. Godoy-Gallardo, and H. Engqvist, “[The effect of unsaturated fatty acid and triglyceride oil addition on the mechanical and antibacterial properties of acrylic bone cements](#),” *J. Biomater. Appl.*, vol. 30, no. 3, pp. 279–289, 2015.
340. S. Pfeiffer and C. Angulo, “[Gesture learning and execution in a humanoid robot via dynamic movement primitives](#),” *Pattern Recognit. Lett.*, vol. 67, pp. 100–107, 2015.
341. C. Planas, E. Cuerva, O. Alquezar, and P. Alavedra, “[Percepción social de los técnicos del sector de la construcción en España : Influencia de la crisis económica](#),” *Dyna*, 2016.
342. E. Planas, E. Pastor, J. Casal, and J. Bonilla, “[Analysis of the boiling liquid expanding vapor explosion \(BLEVE\) of a liquefied natural gas road tanker: The Zarzalico accident](#),” *J. Loss Prev. Process Ind.*, vol. 34, pp. 127–138, 2015.
343. F. A. Planas-Vilanova, “[The relation type of affine algebras and algebraic varieties](#),” *J. Algebr.*, vol. 441, pp. 166–179, 2015.
344. M. Planellas, M. M. Pérez-Madrigal, L. J. del Valle, S. Kobauri, R. Katsarava, C. Aleman, and J. Puiggali, “[Microfibres of conducting polythiophene and biodegradable poly\(ester urea\) for scaffolds](#),” *Polym. Chem.*, vol. 6, no. 6, pp. 925–937, 2015.
345. O. Pons-Valladares, A. Nadal, E. Sanyé-Mengual, P. Llorach, E. Cuerva, D. SanJuan-Demás, M. Pere, J. Olivé-Solà, C. Planas, and M. Rovira, “[Roofs of the future: rooftop greenhouses to improve buildings metabolism](#),” *Procedia Eng.*, vol. 2015, pp. 441–448, 2015.
346. A. F. B. Prado, J. J. Masdemont, M. C. Zanardi, S. M. G. Winter, T. Yokoyama, and V. M. Gomes, “[Mathematical methods applied to the celestial mechanics of artificial satellites](#),” *Math. Probl. Eng.*, vol. 2015, pp. 1–3, 2015.
347. A. Presas, D. Valentin, E. Egusquiza, M. Valero, and U. Seidel, “[Influence of the rotation on the natural frequencies of a submerged-confined disk in water](#),” *J. Sound Vib.*, vol. 337, pp. 161–180, 2015.
348. A. Presas, D. Valentin, E. Egusquiza, M. Valero, and U. Seidel, “[On the detection of natural frequencies and mode shapes of submerged rotating disk-like structures from the casing](#),” *Mech. Syst. Signal Process.*, vol. 60–61, pp. 547–570, 2015.

# articles

349. S. Principi, C. Delgado, M. Ginjaume, M. Beltran, J. Rovira, and M. Duch, “[Eye lens dose in interventional cardiology](#),” *Radiat. Prot. Dosimetry*, vol. 165, no. 1–4, pp. 289–293, 2015.
350. S. Principi, M. Ginjaume, M. Duch, R. Sanchez, J. Fernandez, and E. Vaño, “[Influence of dosimeter position for the assessment of eye lens dose during interventional cardiology](#),” *Radiat. Prot. Dosimetry*, vol. 164, no. 1–2, pp. 79–83, 2015.
351. M. Puig, C. Wooldridge, J. Casal, and R. M. Darbra, “[Tool for the identification and assessment of Environmental Aspects in Ports \(TEAP\)](#),” *Ocean Coast. Manag.*, vol. 113, pp. 8–17, 2015.
352. M. Puig, C. Wooldridge, A. Michail, and R. M. Darbra, “[Current status and trends of the environmental performance in European ports](#),” *Environ. Sci. policy*, vol. 48, pp. 57–66, 2016.
353. X. Puig, M. Font, and J. Ginebra, “[Classification of literary style that takes order into consideration](#),” *J. Quant. Linguist.*, vol. 22, no. 3, pp. 177–201, 2015.
354. X. Puig and J. Ginebra, “[Ecological Inference and Spatial Variation of Individual Behavior: National Divide and Elections in Catalonia](#),” *Geogr. Anal.*, vol. 47, no. 3, pp. 262–283, 2015.
355. J. Puigbo, A. Pumarola, C. Angulo, and R. Téllez, “[Using a cognitive architecture for general purpose service robot control](#),” *Conn. Sci.*, vol. 27, no. 2, pp. 105–117, 2015.
356. J. Puig-Ortiz, R. Pàmies-Vilà, and J. Martínez, “[Google+ as a tool for use in cooperative laboratory Activities between universities](#),” *J. Technol. Sci. Educ.*, vol. 5, no. 2, pp. 122–129, 2016.
357. J. Pujante, M. Vilaseca, D. Casellas, and M. Riera, “[The role of adhesive forces and mechanical interaction on material transfer in hot forming of aluminium](#),” *Tribol. Lett.*, vol. 59, no. 10, pp. 1–10, 2015.
358. M. Quispe, X. Escaler, M. Prieto, and M. Kjeldsen, “[ALBA synchrotron cooling system evaluation using flowmaster®](#),” *Eng. Edge*, vol. 1, no. 4, pp. 22–27, 2015.
359. G. Ramírez, E. Jimenez-Pique, A. Mestra, M. Vilaseca, D. Casellas, and L. Llanes, “[A comparative study of the contact fatigue behavior and associated damage micromechanisms of TiN- and WC:H-coated cold-work tool steel](#),” *Tribol. Int.*, vol. 88, pp. 263–270, 2015.
360. J. G. Ramírez-Camacho, E. Pastor, J. Casal, R. Amaya, and F. Muñoz Giraldo, “[Analysis of domino effect in pipelines](#),” *J. Hazard. Mater.*, vol. 298, pp. 210–220, 2015.
361. E. Ramos, L. Davin, I. Angurell, C. Ledesma, and J. Llorca, “[Improved stability of Pd/Al<sub>2</sub>O<sub>3</sub> prepared from palladium nanoparticles protected with carbosilane dendrons in the dimethyl ether steam reforming reaction](#),” *ChemCatChem*, vol. 7, no. 14, pp. 2179–2187, 2015.
362. G. A. Ramos, J. Cortés, Z. Zou, R. Costa-Castelló, and K. Zhou, “[Power active filter control based on a resonant disturbance observer](#),” *IET power Electron.*, vol. 8, no. 4, pp. 554–564, 2015.
363. G. A. Ramos, R. Costa-Castelló, and J. Cortés, “[LPV observer-based strategy for rejection of periodic disturbances with time-varying frequency](#),” *Math. Probl. Eng.*, vol. 2015, pp. 1–9, 2015.
364. G. A. Ramos, R. Costa-Castelló, and J. M. Olm, “[Precompensated Second Order Repetitive Control of an Active Filter Under Varying Network Frequency](#),” *Asian J. Control*, vol. 17, no. 4, pp. 1243–1254, 2015.
365. O. Ramos, J. Mahseredjian, J. Naredo, I. Kocar, J. Gutierrez, and J. Martinez, “[Phase-domain line/cable model through second-order blocks](#),” *IEEE Trans. power Deliv.*, vol. 30, no. 6, pp. 2460–2467, 2015.

# articles

366. M. Ranaboldo, B. Domenech, G. Reyes, L. Ferrer-Martí, R. Pastor, and A. García-Villoria, “[Off-grid community electrification projects based on wind and solar energies: A case study in Nicaragua](#),” *Sol. energy*, vol. 117, pp. 268–281, 2015.
367. M. Ranaboldo, A. García-Villoria, L. Ferrer-Martí, and R. Pastor, “[A meta-heuristic method to design off-grid community electrification projects with renewable energies](#),” *Energy*, vol. 93, no. Part 2, pp. 2467–2482, 2016.
368. M. Reig, H. Farrokhzad, B. Van der Bruggen, O. Gibert, and J. Cortina, “[Synthesis of a monovalent selective cation exchange membrane to concentrate reverse osmosis brines by electrodialysis](#),” *Desalination*, vol. 375, pp. 1–9, 2015.
369. C. Reyes, J. Cabrera, V. Vázquez-Figueroa, I. Alfonso, and G. González, “[Texture and lattice distortion study of an Al-6061-T6 alloy produced by ECAP](#),” *Mater. Trans.*, vol. 56, no. 11, pp. 1781–1786, 2015.
370. D. Ribas, M. Calderer, V. Martí, and M. Rovira, “[Effect of different seasonal conditions on the potential of wetland soils for groundwater denitrification](#),” *Desalin. water Treat.*, vol. 53, no. 4, pp. 994–997, 2015.
371. I. Ribas and R. Companys, “[Efficient heuristic algorithms for the blocking flow shop scheduling problem with total flow time minimization](#),” *Comput. Ind. Eng.*, vol. 87, pp. 30–39, 2015.
372. I. Ribas, R. Companys, and J. Tort-Martorell, “[An efficient discrete artificial bee colony algorithm for the blocking flow shop problem with total flowtime minimization](#),” *Expert Syst. Appl.*, vol. 42, no. 15–16, pp. 6155–6167, 2015.
373. E. Ribes, M. Cheema, R. Gonzalez, D. LLORIS, J. Ausió, and N. Saperas, “[Spermiogenesis and biflagellate spermatozoon of the teleost fish \*Lampanyctus crocodilus\* \(Myctophiformes, Myctophidae\): ultrastructure and characterisation of its sperm basic nuclear proteins](#),” *Cell Tissue Res.*, vol. 361, no. 2, pp. 619–632, 2015.
374. J. C. Rivas, J. Dies, and X. Fajarnes, “[Revisiting the analysis of passive plasma shutdown during an ex-vessel loss of coolant accident in ITER blanket](#),” *Fusion Eng. Des.*, vol. 98–99, pp. 2206–2209, 2015.
375. M. Rivas, J. Casanovas Salas, L. J. del Valle, O. Bertran, G. Revilla-López, P. Turon, J. Puiggali, and C. Aleman, “[An experimental-computer modeling study of inorganic phosphates surface adsorption on hydroxyapatite particles](#),” *Dalt. Trans.*, vol. 44, no. 21, pp. 9980–9991, 2015.
376. J. J. Roa and M. Anglada, “[Annealing aged zirconia: Study of surface mechanical properties at the micrometric length scale](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 3, pp. 1031–1039, 2015.
377. J. J. Roa, G. Fargas, J. Calvo, E. Jimenez-Pique, and A. Mateo, “[Plastic deformation and damage induced by fatigue in TWIP steels](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 628, pp. 410–418, 2015.
378. J. J. Roa, G. Fargas, A. Mateo, and E. Jimenez-Pique, “[Dependence of nanoindentation hardness with crystallographic orientation of austenite grains in metastable stainless steels](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 645, pp. 188–195, 2015.
379. J. J. Roa, E. Jimenez-Pique, C. Verge, J. Tarrago, A. Mateo, J. Fair, and L. Llanes, “[Intrinsic hardness of constitutive phases in WC-Co composites: Nanoindentation testing, statistical analysis, WC crystal orientation effects and flow stress for the constrained metallic binder](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 13, pp. 3419–3425, 2015.
380. J. J. Roa, J. M. Wheeler, T. Trifonov, G. Fargas, A. Mateo, J. Michler, and E. Jimenez-Pique, “[Deformation of polycrystalline TRIP stainless steel micropillars](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 647, pp. 51–57, 2016.

# articles

381. B. Robles-Hernández, N. Sebastian, M. Rosario, D. Lopez, S. Diez, J. Salud, M. Ros, D. Dunmur, G. Luckhurst, and B. Timimi, “[Twist, tilt, and orientational order at the nematic to twist-bend nematic phase transition of 1,9 -bis\(4-cyanobiphenyl-4'-yl\) nonane: A dielectric, H-2 NMR, and calorimetric study](#),” *Phys. Rev. E Stat. nonlinear, soft matter Phys.*, vol. 92, no. 6, pp. 62505–62516, 2015.
382. A. Roca, “[Carlos Barciela López, M. Inmaculada López Ortiz y Joaquín Melgarejo Moreno \(Eds\). Los bienes culturales y su aportación al desarrollo sostenible. Alicante, Publicaciones de la Universidad de Alicante, 2012, 623 págs., ISBN: 978-84-9717-216-5](#),” *Investig. Hist. económica*, vol. 11, no. 3, pp. 203–204, 2015.
383. A. Roca, “[Lino Camprubí. Engineers and the making of the Franco Regime](#),” *ICON J. international Comm. Hist. Technol.*, vol. 20, no. 2, pp. 182–185, 2015.
384. M. Roca, P. Sanchis, B. Vilanova, K. Pauwels, G. Martorell, and J. Perez, “[Conformational ensembles of neuromedin C reveal a progressive coil-helix transition within a binding-induced folding mechanism](#),” *RSC Adv.*, vol. 5, no. 101, pp. 83074–83088, 2015.
385. P. Rocas, M. Hoyos, J. Rocas, J. Manero, F. J. Gil, F. Albericio, and C. Mas-Moruno, “[Installing multifunctionality on titanium with RGD-decorated polyurethane-polyurea roxithromycin loaded nanoparticles: toward new osseointegrative therapies](#),” *Adv. Healthc. Mater.*, vol. 4, no. 13, pp. 1–5, 2016.
386. A. Rodriguez, M. Koller, M. Miranda-de Sousa Dias, M. Calafell, G. Braunegg, and M. S. Marques, “[Influence of glycerol on poly\(3-hydroxybutyrate\) production by Cupriavidus necator and Burkholderia sacchari](#),” *Biochem. Eng. J.*, vol. 94, pp. 50–57, 2015.
387. M. Rodriguez, J. Sempau, and L. Brualla, “[Technical Note: Study of the electron transport parameters used in penelope for the Monte Carlo simulation of Linac targets](#),” *Med. Phys.*, vol. 42, no. 6, pp. 2877–2881, 2015.
388. M. Rodriguez, J. Sempau, A. Fogliata, L. Cozzi, W. Sauerwein, and L. Brualla, “[A geometrical model for the Monte Carlo simulation of the TrueBeam linac](#),” *Phys. Med. Biol.*, vol. 60, no. 11, pp. N219–N229, 2015.
389. P. Rodriguez-Calvillo and J. Cabrera, “[Microstructure and mechanical properties of a commercially pure Ti processed by warm equal channel angular pressing](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 625, pp. 311–320, 2015.
390. P. Rodriguez-Calvillo, J. Cabrera, and N. Ferrer, “[Analysis of microstructure and strengthening in CuMg alloys deformed by equal channel angular pressing](#),” *J. Alloys Compd.*, vol. 626, pp. 340–348, 2015.
391. J. Rojas, C. Kunusch, C. A. Ocampo-Martinez, and V. Puig, “[Control-oriented thermal modeling methodology for water-cooled PEM fuel-cell-based systems](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 8, pp. 5146–5154, 2015.
392. A. Rolan, F. Corcoles, J. Pedra, L. Monjo, and S. Bogarra, “[Testing of three-phase equipment under voltage sags](#),” *IET Electr. power Appl.*, vol. 9, no. 4, pp. 287–296, 2015.
393. L. Romeral, R. Salehi Arashloo, M. Salehifar, and J. M. Moreno-Eguilaz, “[Predictive current control of outer-rotor five-phase BLDC generators applicable for off-shore wind power plants](#),” *Electr. power Syst. Res.*, vol. 121, pp. 260–269, 2015.
394. N. Roqueiro, E. Fossas, A. Martins, and P. Puleston, “[Variable-structure control with complementarity-inputs for a lean-burn IC engine of a series hybrid vehicle](#),” *Asian J. Control*, vol. 17, no. 4, pp. 1310–1319, 2015.
395. J. Ros, J. M. Font-Llagunes, A. Plaza, and J. Kövecses, “[Dynamic considerations of heel-strike impact in human gait](#),” *Multibody Syst. Dyn.*, vol. 35, no. 3, pp. 215–232, 2015.

# articles

396. A. Rosich, V. Puig, and M. Casillas, “[Leak localization in drinking water distribution networks using structured residuals](#),” *Int. J. Adapt. Control Signal Process.*, vol. 29, no. 8, pp. 991–1007, 2015.
397. D. Rotondo, F. Nejjari, and V. Puig, “[Robust quasi-LPV model reference FTC of a quadrotor UAV subject to actuator faults](#),” *Int. J. Appl. Math. Comput. Sci.*, vol. 25, no. 1, pp. 7–22, 2015.
398. D. Rotondo, F. Nejjari, and V. Puig, “[Dilated LMI characterization for the robust finite time control of discrete-time uncertain linear systems](#),” *Automatica*, no. 63, pp. 16–20, 2015.
399. D. Rotondo, F. Nejjari, and V. Puig, “[Design of parameter-scheduled state-feedback controllers using shifting specifications](#),” *J. Franklin Inst.*, vol. 352, no. 1, pp. 93–116, 2015.
400. D. Rotondo, F. Nejjari, V. Puig, and J. Blesa, “[Model reference FTC for LPV systems using virtual actuators and set-membership fault estimation](#),” *Int. J. robust nonlinear Control*, vol. 25, no. 5, pp. 1–26, 2015.
401. D. Rotondo, J. Ponsart, D. Theilliol, F. Nejjari, and V. Puig, “[A virtual actuator approach for the fault tolerant control of unstable linear systems subject to actuator saturation and fault isolation delay](#),” *Annu. Rev. Control*, vol. 39, pp. 68–80, 2015.
402. D. Rotondo, V. Puig, F. Nejjari, and J. Romera, “[A fault-hiding approach for the switching quasi-LPV fault-tolerant control of a four-wheeled omnidirectional mobile robot](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3932–3944, 2015.
403. D. Rotondo, V. Puig, F. Nejjari, and M. Witczak, “[Automated generation and comparison of Takagi–Sugeno and polytopic quasi-LPV models](#),” *Fuzzy sets Syst.*, vol. 277, no. October, pp. 44–64, 2015.
404. F. Roura, M. Pastor, J. Bonada, and L. Rodero, “[Interdisciplinary Engineering Project: Experimental and Numerical Optimization of a Sandwich Panel](#),” *Int. J. Eng. Educ.*, vol. 31, no. 1(B), pp. 248–256, 2015.
405. E. Rovira-Beleta, E. Cuerva, C. Planas, and P. Alavedra, “[Accessibility of emergency evacuation of persons with disabilities in public swimming pools in Barcelona, Spain: a review of literature and regulations](#),” *Archit. Eng. Des. Manag.*, 2016.
406. A. O. Rueda, M. Anglada, and E. Jimenez-Pique, “[Contact fatigue of veneer feldspathic porcelain on dental zirconia](#),” *Dent. Mater.*, vol. 31, no. 3, pp. 217–224, 2015.
407. E. Rupérez de Gracia, J. Manero, K. Riccardi, Y. Li, C. Aparicio, and F. J. Gil, “[Development of tantalum scaffold for orthopaedic applications produced by space-holder method](#),” *Mater. Des.*, vol. 83, pp. 112–119, 2015.
408. S. Saadatkia, H. Mirzadeh, and J. Cabrera, “[Hot deformation behavior, dynamic recrystallization, and physically-based constitutive modeling of plain carbon steels](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 636, pp. 196–202, 2015.
409. N. Sachot, O. Castaño, J. Planell, and E. Engel, “[Optimization of blend parameters for the fabrication of polycaprolactone-silicon based ormoglass nanofibers by electrospinning](#),” *J. Biomed. Mater. Res. B. Appl. Biomater.*, vol. 103, no. 6, pp. 1287–1293, 2015.
410. N. Sachot, M. Mateos, J. Planell, A. Velders, M. Lewandowska, E. Engel, and O. Castaño, “[Towards 4th generation biomaterials: a covalent hybrid polymer-ormoglass architecture](#),” *Nanoscale*, vol. 7, no. 37, pp. 15349–15361, 2015.
411. C. Salas, “[Integración del análisis coste-beneficio en la gestión de la prevención de riesgos laborales](#),” *Oikonomics*, no. 4, pp. 14–20, 2015.

# articles

412. C. Salas, “[Seguridad vial laboral escenario preventivo necesario. ISO 39001, la herramienta ideal](#),” *MC salud Labor.*, no. 38, pp. 1–5, 2015.
413. A. Salazar, E. Cruz, J. Lloveras, and G. Urriolagoitia, “[Proceder de la innovación en la industria farmacéutica : el caso de España](#),” *Rev. Colomb. Biotecnol.*, vol. 17, no. 1, pp. 131–142, 2015.
414. A. Salazar, J. Rodríguez, F. Arbeiter, G. Pinter, and A. Martinez, “[Fracture toughness of high density polyethylene: Fatigue pre-cracking versus femtolaser, razor sharpening and broaching](#),” *Eng. Fract. Mech.*, vol. 149, pp. 199–213, 2015.
415. F. Salazar, O. Winter, E. E. N. Macau, J. J. Masdemont, and G. Gomez Muntané, “[Natural formations at the Earth-Moon triangular point in perturbed restricted problems](#),” *Adv. Sp. Res.*, vol. 56, no. 1, pp. 144–162, 2015.
416. F. Salazar, O. Winter, E. E. N. Macau, J. J. Masdemont, and G. Gomez Muntané, “[Zero drift regions and control strategies to keep satellite in formation around triangular libration point in the restricted Sun-Earth-Moon scenario](#),” *Adv. Sp. Res.*, vol. 56, no. 7, pp. 1502–1518, 2015.
417. M. Salehifar, R. Salehi Arashloo, J. M. Moreno-Eguilaz, and V. Sala, “[FPGA based robust open transistor fault diagnosis and fault tolerant sliding mode control of a five-phase PM motor drive](#),” *J. Power Electron.*, vol. 15, no. 1, pp. 131–145, 2015.
418. M. Salehifar, R. Salehi Arashloo, J. M. Moreno-Eguilaz, V. Sala, and L. Romeral, “[Observer-based open transistor fault diagnosis and fault-tolerant control of five-phase permanent magnet motor drive for application in electric vehicles](#),” *IET power Electron.*, vol. 8, no. 1, pp. 76–87, 2015.
419. P. Salvador, T. Brys, R. Eykens, F. Hambsch, A. Gook, A. Moens, S. Oberstedt, G. Sibbens, D. Vanleeuw, M. Vidali, and C. Pretel, “[Neutron-induced fission cross section of Pu-240 from 0.5 MeV to 3 MeV](#),” *Phys. Rev. C*, vol. 92, no. 1, pp. 1462–1469, 2015.
420. P. Salvador, T. Brys, R. Eykens, F. Hambsch, A. Gook, A. Moens, S. Oberstedt, G. Sibbens, D. Vanleeuw, M. Vidali, and C. Pretel, “[Neutron-induced fission cross sections of Pu-242 from 0.3 MeV to 3 MeV](#),” *Phys. Rev. C*, vol. 92, no. 4, p. 44606, 2015.
421. A. Sanchez, Á. Mata, M. Mateos, J. C. Rodriguez-Cabello, M. Alonso, J. Planell, and E. Engel, “[Development of tailored and self-mineralizing citric acid-crosslinked hydrogels for in situ bone regeneration](#),” *Biomaterials*, vol. 68, pp. 42–53, 2015.
422. H. Sanchez, T. Escobet, V. Puig, and P. Fogh, “[Fault diagnosis of an advanced wind turbine benchmark using interval-based ARRs and observers](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3783–3793, 2015.
423. R. Sanchez, F. J. Acosta, C. S. Malarkey, N. Saperas, M. E. A. Churchill, and J. L. Campos, “[Two high-mobility group box domains act together to underwind and kink DNA](#),” *Acta Crystallogr. D. Biol. Crystallogr.*, vol. D71, no. part 7, pp. 1423–1432, 2015.
424. R. Sanchez, E. Vaño, J. Fernandez, M. Ginjaume, and J. Carreras, “[Evaluation of an automated FDG dose infuser to PET-CT patients](#),” *Radiat. Prot. Dosimetry*, vol. 165, no. 1–4, pp. 457–460, 2015.
425. I. Santana, A. Pepe, E. Jimenez-Pique, S. Pellice, I. Milosev, and S. Ceré, “[Corrosion protection of carbon steel by silica-based hybrid coatings containing cerium salts: Effect of silica nanoparticle content](#),” *Surf. Coatings Technol.*, vol. 265, pp. 106–116, 2015.
426. F. Segovia, E. Luengo, J. Corral, J. Raso, and M. P. Almajano, “[Improvements in the aqueous extraction of polyphenols from borage \(\*Borago officinalis L.\*\) leaves by pulsed electric fields: Pulsed electric fields \(PEF\) applications](#),” *Ind. Crops Prod.*, vol. 65, pp. 390–396, 2015.

# articles

427. X. Segui, M. Puig, R. M. Darbra, and C. Wooldridge, “[Looking towards the hinterland for sustainable development](#),” *GreenPort*, vol. Winter 201, pp. 14–17, 2015.
428. G. Serrancoli, J. C. Monllau, and J. M. Font-Llagunes, “[Analysis of muscle synergies and activation–deactivation patterns in subjects with anterior cruciate ligament deficiency during walking](#),” *Clin. Biomech.*, vol. 31, pp. 65–73, 2015.
429. S. Sheikh, R. M'Saoubi, P. Flasar, M. Schwind, T. Persson, J. Yang, and L. Llanes, “[Fracture toughness of cemented carbides: Testing method and microstructural effects](#),” *Int. J. Refract. Met. hard Mater.*, vol. 49, pp. 153–160, 2015.
430. M. Sicard, G. D'Amico, A. Comeron, L. Mona, L. Alados, A. Amodeo, H. Baars, J. Baldasano, L. Belegante, I. Binietoglou, J. Bravo-Aranda, A. J. Fernández, P. Fréville, D. Garcia, A. Giunta, M. Granados-Muñoz, J. Guerrero Rascado, D. Hadjimitsis, A. Haefele, M. Hervo, M. Iarlori, P. Kokkalis, D. Lange, R. Mamouri, I. Mattis, F. Molero, N. Montoux, A. Muñoz, C. Muñoz, F. Navas, D. Nicolae, A. Nisantzi, N. Papagiannopoulos, A. Papayannis, S. Pereira, J. Preissler, M. Pujadas, V. Rizi, F. Rocadenbosch, K. Sellegri, V. Simeonov, G. Tsaknakis, F. Wagner, and G. Pappalardo, “[EARLINET: potential operationality of a research network](#),” *Atmos. Meas. Tech.*, vol. 8, no. 11, pp. 4587–4613, 2015.
431. M. Silva, J. Gallego, J. Cabrera, O. Balancin, and A. M. J. Jorge, “[Interaction between recrystallization and strain-induced precipitation in a high Nb- and N-bearing austenitic stainless steel: Influence of the interpass time](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 637, pp. 189–200, 2015.
432. R. Silva, C. Aleman, C. A. Ferreira, E. Armelin, J. Ferreira, and A. Meneguzzi, “[Smart paint for anodic protection of steel](#),” *Prog. Org. coatings*, vol. 78, pp. 116–123, 2015.
433. J. Silvente, A. Aguirre, M. Zamarripa, C. A. Méndez, M. Graells, and A. Espuña, “[Improved time representation model for the simultaneous energy supply and demand management in microgrids](#),” *Energy*, vol. 87, pp. 615–627, 2015.
434. J. Silvente, G. Kopanos, and A. Espuña, “[A rolling horizon stochastic programming framework for the energy supply and demand management in microgrids](#),” *Comput. aided Chem. Eng.*, vol. 37, pp. 2321–2326, 2016.
435. J. Silvente, G. Kopanos, E. N. Pistikopoulos, and A. Espuña, “[A rolling horizon optimization framework for the simultaneous energy supply and demand planning in microgrids](#),” *Appl. Energy*, vol. 155, pp. 485–501, 2016.
436. M. Skowyra, U. Janiewicz, A. Salejda, G. Krasnowska, and M. P. Almajano, “[Effect of tara \(\*Caesalpinia spinosa\*\) pod powder on the oxidative and colour stability of pork meat systems during chilled storage](#),” *Food Technol. Biotechnol.*, vol. 53, no. 4, pp. 419–427, 2015.
437. S. Smolentsev, S. Badia, R. Bhattacharyayd, E. Mas de les Valls, and A. Patel, “[An approach to verification and validation of MHD codes for fusion applications](#),” *Fusion Eng. Des.*, vol. 100, no. 11/2015, pp. 65–72, 2015.
438. F. Soriano, J. M. Moreno-Eguilaz, and J. A. Alvarez, “[Drive cycle identification and energy demand estimation for refuse-collecting vehicles](#),” *IEEE Trans. Veh. Technol.*, vol. 64, no. 11, pp. 4965–4973, 2015.
439. J. Soto-Delgado, J. Torras, L. J. del Valle, F. Estrany, and C. Aleman, “[Examining the compatibility of collagen and a polythiophene derivative for the preparation of bioactive platforms](#),” *RSC Adv.*, vol. 5, no. 12, pp. 9189–9203, 2015.
440. M. Spada, O. Jorba, C. Pérez García-Pando, Z. Janjic, and J. Baldasano, “[On the evaluation of global sea-salt aerosol models at coastal/orographic sites](#),” *Atmos. Environ.*, vol. 101, pp. 41–48, 2015.
441. E. Stern, A. Planes, P. Lloveras, J. L. Tamarit, M. Del Barrio, S. Pramanick, S. Majumdar, S. Yuce, B. Emre, C. Frontera, and L. Mañosa Carrera, “[Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys](#),” *Acta Mater.*, vol. 96, pp. 324–332, 2015.
442. E. Stern-Taulats, A. Gracia-Condal, A. Planes, P. Lloveras, M. Del Barrio, J. L. Tamarit, S. Pramanick, S. Majumdar, and L.

# articles

- Mañosa Carrera, “[Reversible adiabatic temperature changes at the magnetocaloric and barocaloric effects in Fe49Rh51](#),” *Appl. Phys. Lett.*, vol. 107, no. 15, pp. 152404–152409, 2015.
443. L. Suarez, P. Rodriguez-Calvillo, J. Cabrera, A. Martinez, and D. Majuelos, “[Hot working analysis of a CuZn40Pb2 brass on the monophasic \(beta\) and intercritical \(alpha plus beta\) regions](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 627, pp. 42–50, 2015.
444. C. Sun, V. Puig, and G. Cembrano, “[Combining CSP and MPC for the operational control of water networks](#),” *Eng. Appl. Artif. Intell.*, vol. 49, pp. 126–140, 2016.
445. C. Sun, V. Puig, and G. Cembrano, “[Integrated simulation and optimization scheme of real-time large-scale water supply network: applied to Catalonia case study](#),” *Simulation. Trans. Soc. Model. Simul. Int.*, vol. 91, no. 1, pp. 59–70, 2015.
446. D. Szewczyk, A. Jezowski, A. Krivchikov, and J. L. Tamarit, “[Influence of thermal treatment on thermal properties of adamantane derivatives](#),” *Fiz. Nizk. Temp.*, vol. 41, no. 6, pp. 598–602, 2015.
447. Y. Tanaka, M. Reig, S. Casas, C. Aladjem, and J. Cortina, “[Computer simulation of ion-exchange membrane electrodialysis for salt concentration and reduction of RO discharged brine for salt production and marine environment conservation](#),” *Desalination*, vol. 367, pp. 76–89, 2015.
448. J. Tarrago, C. Ferrari, B. Reig, D. Coureaux, L. Schneider, and L. Llanes, “[Mechanics and mechanisms of fatigue in a WC-Ni hardmetal and a comparative study with respect to WC-Co hardmetals](#),” *Int. J. Fatigue*, vol. 70, pp. 252–257, 2015.
449. J. Tarrago, E. Jimenez-Pique, L. Schneider, D. Casellas, Y. Torres, and L. Llanes, “[FIB/FESEM experimental and analytical assessment of R-curve behavior of WC-Co cemented carbides](#),” *Mater. Sci. Eng. A. Struct. Mater. Prop. Microstruct. Process.*, vol. 645, pp. 142–149, 2015.
450. J. Tarrago, J. J. Roa, E. Jimenez-Pique, E. Keown, J. Fair, and L. Llanes, “[Mechanical deformation of WC-Co composite micropillars under uniaxial compression](#),” *Int. J. Refract. Met. hard Mater.*, vol. 54, pp. 70–74, 2015.
451. J. Tarrago, J. J. Roa, V. Valle, J. Marsahll, and L. Llanes, “[Fracture and fatigue behavior of WC-Co and WC-CoNi cemented carbides](#),” *Int. J. Refract. Met. hard Mater.*, vol. 49, pp. 184–191, 2015.
452. M. Tena, E. Ramon, C. S. Lupala, J. Perez, K. Koch, and P. Garriga, “[Zinc is involved in depression by modulating G-protein-coupled receptor heterodimerization](#),” *Mol. Neurobiol.*, vol. 53, no. 3, pp. 2003–2015, 2015.
453. C. Toniolo, M. Crisma, A. Moretto, C. peggion, F. Formaggio, C. Aleman, C. Cativiela, C. Ramakrishnan, and P. Balaram, “[Peptide delta-turn: Literature survey and recent progress](#),” *Chem. a Eur. J.*, vol. 21, no. 40, pp. 13866–13877, 2015.
454. P. Tripathi, M. Romanini, J. L. Tamarit, and R. Macovez, “[Collective relaxation dynamics and crystallization kinetics of the amorphous Biclotymol antiseptic](#),” *Int. J. Pharm.*, vol. 495, no. 1, pp. 420–427, 2015.
455. M. Turón Viñas and M. Anglada, “[Assessment in Si3N4 of a new method for determining the fracture toughness from a surface notch micro-machined by ultra-short pulsed laser ablation](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 6, pp. 1737–1741, 2015.
456. M. Turón Viñas, J. J. Roa, F. G. Marro, and M. Anglada, “[Mechanical properties of 12Ce-ZrO2/3Y-ZrO2 composites](#),” *Ceram. Int.*, vol. 41, no. 10, pp. 14988–14997, 2015.
457. P. Turon, J. Puiggali, O. Bertran, and C. Aleman, “[Surviving mass extinctions through biomineralized DNA](#),” *Chem. a Eur. J.*, vol. 21, no. 52, pp. 18892–18898, 2015.

# articles

458. J. Unosson, E. Montufar, H. Engqvist, M. P. Ginebra, and C. Persson, “[Brushite foams - the effect of Tween® 80 and Pluronic® F-127 on foam porosity and mechanical properties](#),” *J. Biomed. Mater. Res. B. Appl. Biomater.*, vol. 104B, no. 1, pp. 67–77, 2015.
459. J. Valencia, M. Vallverdu, I. Rivero, A. Voss, A. B. de Luna, A. Porta, and P. Caminal, “[Symbolic dynamics to discriminate healthy and ischaemic dilated cardiomyopathy populations: An application to the variability of heart period and QT interval](#),” *Philos. Trans. R. Soc. A. Math. Phys. Eng. Sci.*, vol. 373, no. 2034, pp. 20140020–20140092, 2015.
460. V. Valverde, M. T. Pay, and J. Baldasano, “[Circulation-type classification derived on a climatic basis to study air quality dynamics over the Iberian Peninsula](#),” *Int. J. Climatol.*, vol. 35, no. 10, pp. 2877–2897, 2015.
461. A. Vargas, D. Arnold, J. A. Adame, C. Grossi, M. Á. Hernández-Ceballos, and J. P. Bolívar Raya, “[Analysis of the vertical radon structure at the Spanish ‘El Arenosillo’ tower station](#),” *J. Environ. Radioact.*, vol. 139, pp. 1–17, 2015.
462. G. A. Vdovichenko, A. Krivchikov, O. Korolyuk, J. L. Tamarit, L. Pardo, M. Rovira-Esteve, F. Bermejo, M. Hassaine, and M. Ramos, “[Thermal properties of halogen-ethane glassy crystals: Effects of orientational disorder and the role of internal molecular degrees of freedom](#),” *J. Chem. Phys.*, vol. 143, no. 8, p. 84510, 2015.
463. J. Veciana, S. Cardona, and P. Català, “[Modified adaptive input shaping for maneuvering cranes using a feedback MEM gyroscope with null drift](#),” *Int. J. Precis. Eng. Manuf.*, vol. 16, no. 9, pp. 1911–1917, 2015.
464. J. I. Vento, J. Blesa, V. Puig, and R. Sarrate, “[Set-membership parity space hybrid system diagnosis](#),” *Int. J. Syst. Sci.*, vol. 46, no. 5, pp. 790–807, 2015.
465. C. Weiß, E. Berthoumieux, M. Calviani, A. Tsinganis, F. Calviño, G. Cortes, A. Riego, and A. Tarifeño, “[The new vertical neutron beam line at the CERN n TOF facility design and outlook on the performance](#),” *Nucl. Instruments methods Phys. Res. Sect. A, Accel. SP*, vol. 799, pp. 90–98, 2015.
466. M. Witczak, M. Buciakowski, V. Puig, D. Rotondo, and F. Nejjari, “[An LMI approach to robust fault estimation for a class of nonlinear systems](#),” *Int. J. robust nonlinear Control*, pp. 1–19, 2015.
467. M. Witczak, D. Rotondo, V. Puig, and P. Witczak, “[A practical test for assessing the reachability of discrete-time Takagi-Sugeno fuzzy systems](#),” *J. Franklin Inst.*, vol. 352, no. 12, pp. 5936–5951, 2015.
468. M. Woodhams, J. Fernández-Sánchez, and J. Sumner, “[A new hierarchy of phylogenetic models consistent with heterogeneous substitution rates](#),” *Syst. Biol.*, vol. 64, no. 4, pp. 638–650, 2015.
469. F. Xu, V. Puig, C. A. Ocampo-Martínez, S. Olaru, and F. Stoican, “[Set-theoretic methods in robust detection and isolation of sensor faults](#),” *Int. J. Syst. Sci.*, vol. 46, no. 13, pp. 2317–2334, 2016.
470. C. Yacoub, N. Miralles, and C. Valderrama, “[Experimental study of mobility and kinetic characterization of trace elements in contaminated sediments from a river basin in Northern Peru](#),” *Hum. Ecol. risk Assess.*, vol. 21, no. 3, pp. 828–844, 2015.
471. K. Yalamanchili, I. Schramm, E. Jimenez-Pique, L. Rogstrom, F. Muecklich, M. Oden, and N. Ghafoor, “[Tuning hardness and fracture resistance of ZrN/Zr0.63Al0.37N nanoscale multilayers by stress-induced transformation toughening](#),” *Acta Mater.*, vol. 89, pp. 22–31, 2015.
472. J. Yang, F. G. Marro, T. Trifonov, M. Oden, M. Johansson, and L. Llanes, “[Contact damage resistance of TiN-coated hardmetals: Beneficial effects associated with substrate grinding](#),” *Surf. coatings Technol.*, vol. 275, pp. 133–141, 2015.
473. J. Yang, J. J. Roa, M. Oden, M. Johansson, J. Esteve, and L. Llanes, “[Substrate surface finish effects on scratch resistance and failure mechanisms of TiN-coated hardmetals](#),” *Surf. coatings Technol.*, vol. 265, pp. 174–184, 2015.

# articles

474. M. Zachariah, E. Mitsari, M. Romanini, P. Zygouri, D. Gournis, M. Del Barrio, J. L. Tamarit, and R. Macovez, "[Water-Triggered Conduction Mediated by Proton Exchange in a Hygroscopic Fulleride and Its Hydrate](#)," *J. Phys. Chem. Part C, Nanomater. interfaces*, vol. 119, no. 1, pp. 685–694, 2015.
475. M. Zachariah, M. Romanini, P. Tripathi, M. Del Barrio, J. L. Tamarit, and R. Macovez, "[Self-diffusion, phase behavior, and Li<sup>+</sup> ion conduction in succinonitrile-based plastic cocrystals](#)," *J. Phys. Chem. Part C, Nanomater. interfaces*, vol. 119, no. 49, pp. 27298–27306, 2015.
476. M. Zachariah, M. Romanini, P. Tripathi, J. L. Tamarit, and R. Macovez, "[Molecular diffusion and dc conductivity perfectly correlated with molecular rotational dynamics in a plastic crystalline electrolyte](#)," *Phys. Chem. Chem. Phys.*, vol. 17, no. 24, pp. 16053–16057, 2015.
477. E. Zakharova, A. Alla, A. Martinez de Ibaruya, and S. Muñoz, "[Bio-based PBS copolymers derived from a bicyclic D-glucitol](#)," *RSC Adv.*, vol. 5, no. 57, pp. 46395–46404, 2015.
478. B. Zhang, S. Kaziz, and J. Llorca, "[Pd<sub>2</sub>Au<sub>36</sub>\(SR\)<sub>\(24\)</sub> cluster: structure studies](#)," *Nanoscale*, vol. 7, no. 40, pp. 17012–17019, 2015.

# autors

En aquest apartat es recullen els 243 investigadors de l'ETSEIB amb articles de revista publicats durant l'any 2015 i introduïts a DRAC.

a b c d e f g h i j k l m n o p q r s t u v w x y z

Acosta Reyes, Francisco Javier 4, 5, 423

Aguilar Pérez, Marta 8

Agulló Batlle, Joaquim 40

Alavedra Ribot, Pere 341, 405

Alcalá Cabrelles, Jorge 14, 15, 16, 161

Aleman Llanso, Carlos Enrique 24, 49, 50, 100, 112, 113, 114, 227, 258, 259, 260, 267, 281, 328, 329, 333, 335, 336, 337, 344, 375, 432, 439, 453, 457

Alfaro Pozo, Rocio 43, 44

Alla Bedahnane, Abdelilah 47, 231, 477

Almajano Pablos, María Pilar 31, 165, 176, 426, 436

Alquezar Claramunt, Óscar 341

Álvarez Florez, Jesús Andrés 23, 438

Álvarez Montaner, Josep 22

Anglada Gomila, Marcos Juan 73, 74, 75, 107, 134, 288, 289, 406, 455, 456

Angulo Baon, Cecilio 26, 128, 316, 340, 355

Aragüés Peñalba, Mónica 27

Armelin Diggroc, Elaine 112, 114, 227, 267, 328, 329, 335, 337, 432

Arumi Delgado, Daniel 29, 30

Balado Suárez, Luz María 185, 186

Baldasano Recio, Jose M. 36, 51, 72, 108, 166, 430, 440, 460

Barja Yañez, Miguel Angel 39

Barjau Condomines, Ana 40

Amunt

# Autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

- Basañez Villaluenga, Luis 17  
Bautista Valhondo, Joaquín 43, 44, 45, 46, 93  
Bergas Jane, Joan Gabriel 315  
Bonada Bo, Jordi 53  
Bordonau Farrerons, Jose 61, 70  
Bou Serra, Jorge 69  
Buj Corral, Irene 58, 59, 227  
Busquets Monge, Sergio 61  
Buxadéra Palomero, Judit 62

[Amunt](#)

C

- Cabré Vilagut, Xavier 63, 64, 65  
Cabrera Marrero, Jose María 12, 66, 83, 146, 285, 286, 369, 389, 390, 408, 431, 443  
Cailloux, Jonathan 69, 79, 159, 274  
Calleja Sanz, Gema 71  
Calviño Tavares, Francisco 241, 319, 465  
Calvo Muñoz, Jessica 280, 286, 377  
Calle Prado, Alejandro 70  
Caminal Magrans, Pedro 28, 42, 195, 196, 287, 459  
Camposilvan, Erik 73, 74, 75  
Campos López, Josefa de Lourdes 4, 5, 423  
Canal Barnils, Cristina 62, 239, 325, 326  
Cardona Foix, Salvador 463  
Carrasco López, Juan Antonio 9  
Casafont Ribera, Miquel 53  
Casal Fabrega, Joaquim 214, 342, 351, 360  
Casanellas Rius, Marta 80  
Casanovas Grau, Albert 230  
Casas Becerra, M. Teresa 49, 84, 125, 126, 307

[Tornar al sumari](#)

36

# autors

Casas Pons, Ignasi 141, 187, 270

Català Calderon, Pau 183, 463

Clotet Juan, Jose 95

Compta Creus, Albert 99

Consul Porras, Maria Nieves 63

Córcoles López, Felipe 234, 297, 298, 392

Corominas Subias, Albert 71, 101, 102, 103, 104, 173

Cortes Rossell, Guillem Pere 241, 319, 465

Cortina Pallas, Jose Luis 117, 118, 119, 199, 217, 244, 268, 447

Costa Castelló, Ramon 106

Cremades Oliver, Lázaro 7, 109, 182, 282, 283

Cuerva Contreras, Eva 310, 341, 345, 405

Amunt

Darbra Roman, Rosa Maria 351, 352, 427

De la Torre Martínez, Maria del Rocio 121

Del Barrio Casado, Maria 48, 167, 215, 252, 312, 441, 442, 474

Del Valle Mendoza, Luis Javier 49, 77, 123, 127, 190, 249, 250, 251, 258, 259, 306, 308, 309, 336, 337, 344, 375, 439, 451

Delshams i Valdes, Amadeu 124

Diaz Bayona, Pedro 269

Diaz Berart, Sergio 129

Dies Llovera, Javier 38, 269, 374

Dombayci, Canan 130, 303, 304

Duch Guillen, Maria Amor 349, 350

Amunt

Eguia Gómea, Jose Luis 135

Egusquiza Estevez, Eduardo 23, 120, 136, 150, 322, 347, 348

Engel Lopez, Elisabet 33, 243, 409, 410, 421

# autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

Escaler Puigoriol, Francesc Xavier 120, 138, 223, 224, 358

Español Pons, Montserrat 140, 292

Espuña Camarasa, Antonio 130, 225, 284, 303, 304, 433, 434, 435

Estrany Coda, Francisco 258, 259, 262, 281, 307

[Amunt](#)

f

Fabregat Jove, Georgina 258, 259

Fargas Ribas, Gemma 144, 145, 280

Farran Marsa, Adriana 199

Fedorov, Yury 147

Fenollosa Artés, Felip 148

Fernández Francos, Xavier 153, 189, 206, 207, 263

Fernández Sánchez, Jesús 80, 154, 468

Ferrer Llop, Jose 99

Ferrer Martí, Laia 131, 132, 155, 245, 246, 366, 367

Figueras Pamies, Juan 185, 186

Flamant, Quentin Jean Alain 74

Font Llagunes, Josep Maria 40, 172, 175, 188, 395, 428

Fontdecaba Rigat, Sandra 156

Fossas Colet, Enric 101, 394

Fraioli, Roberta 157

Franco Garcia, Maria Lourdes 125, 262, 307

Freixa Terradas, Jordi 162

[Amunt](#)

g

Galcerán Arellano, Samuel 27

Gallardo Gallardo, Eva 164

García Gil, Manuel 142

García Marro, Fernando 75, 264, 289, 456, 472

García Planas, María Isabel 133, 168, 169, 170, 171

# autors

García Villoria, Alberto 71, 102, 173, 324, 366, 367

Gibert Agullo, Oriol 244, 368

Gil Mur, Francisco Javier 13, 60, 62, 87, 157, 179, 180, 181, 200, 220, 239, 268, 273, 321, 385, 407

Gimenez Izquierdo, Francisco Javier 177, 270

Ginebra Molins, Josep 353, 351

Ginebra Molins, Maria Pau 11, 111, 140, 149, 237, 242, 261, 292, 313, 325, 326, 339, 458

Ginjaume Egido, Mercè 57, 78, 349, 350, 424

Gómez Hornillos, María Belén 241, 319

Gomis Bellmunt, Oriol 27

González Benítez, María Margarita 109, 110

Gonzalez Nogueras, Maria Del Mar 35, 143, 160

Graffelman, Jan 192, 193

Grima Cintas, Pedro 156, 194

Guillem Martí, Jordi 149, 200, 220, 221

Gutiérrez González, Ernesto 201

Gutiérrez Serrés, Pere 202, 203, 204, 205

Amunt

Haro Cases, Jaime 137, 209, 210, 211

Hemmatian, Behrouz 214

Heredero Peris, Daniel 216

Hernando Martín, María Del Carmen 67, 219

Herranz Agustín, Concepción 200

Hjaila , Kefah 225

Amunt

Iribarren Laco, Jose Ignacio 227, 267

Amunt

# autors

j  
a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

- Jaen Herbera, Javier 231  
Jimenez Divins, Nuria 230  
Jimenez Pique, Emilio 55, 107, 134, 264, 359, 377, 378, 379, 380, 406, 425, 449, 450, 471  
Joan Arinyo, Robert 222

Amunt

- Lana Pons, Francisco Javier 240, 301  
Lazaro Ochoa, Jose Tomas 6, 88  
Licon Bernal, Edxon Eduardo 244  
Llanes Pitarch, Luis Miguel 55, 264, 305, 359, 379, 429, 448, 449, 450, 451, 472, 473  
Llonch Masach, Marc 248  
Llorca Pique, Jordi 25, 37, 54, 76, 81, 82, 89, 96, 97, 115, 116, 141, 163, 198, 208, 212, 213, 230, 296, 317, 318, 331, 332, 361, 478  
Lloveras Macia, Joaquin 105, 197, 413  
Lloveras Muntane, Pol Marcel 174, 441, 442  
Lopez Perez, David Orencio 129, 381  
Lordan Gonzalez, Oriol 91, 255  
Lupon Roses, Emilio Jose 61  
Lusa Garcia, Amaia 103, 121

Amunt

- Macovez, Roberto 454, 474, 475, 476  
Magret Planas, Maria Dels Dolors 95, 169  
Manero Planella, Jose M 87, 157, 179, 180, 181, 200, 220, 221, 321, 385, 407  
Manich Bou, Salvador 311  
Mañanas Villanueva, Miguel Angel 19, 20, 21, 32, 178, 254, 293  
Marco Almagro, Lluis 58  
Martí Gregorio, Vicenç 370  
Martinez Benasat, Antonio 414  
Martinez Costa, M. Carmen 272, 362, 363, 364

# Autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

- Martinez de Iarduya Saez de Asteasu, Antxon 47, 232, 477  
Martínez Miralles, Jordi Ramon 356  
Martínez Quiroga, Víctor Manuel 162  
Martinez Velasco, Juan Antonio 365  
Mas de les Valls, Elisabet 10, 437  
Mas Machuca, Marta 272  
Mas Moruno, Carlos 157, 179, 221, 273, 385  
Masdemont Soler, Josep Joaquim 314, 338, 346, 415, 416  
Maspoch Ruldua, Maria Lluïsa 69, 79, 159, 184, 274  
Massa Esteve, Maria Rosa 139, 275, 276, 277, 278, 279  
Mateo Doll, Manuel 104, 121  
Mateo Garcia, Antonio Manuel 144, 145, 265, 266, 280, 377, 378, 379, 380  
Medina Iglesias, Vicente Cesar 92, 122  
Mendoza Gómez, Ernest 228, 229  
Mesas García, Juan José 291  
Mestra Rodríguez, Alvaro Miguel 75, 264, 359  
Minguella Canela, Joaquim 2, 34, 148, 294  
Miralles Esteban, Nuria 470  
Molmeneu Trias, Meritxell 268  
Monguet Fierro, José María 236  
Monjo Mur, Lluis 234, 253, 297, 298, 299, 300, 392  
Montesinos Miracle, Daniel 216, 247, 248  
Morancho Luna, José María 1, 302  
Moreno Egilaz, Juan Manuel 393, 417, 418, 438  
Muñoz Guerra, Sebastian 47, 232, 477

Amunt

Ollé Torner, Maria Mercedes 41

Amunt

# autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

- Pablo Ribas, Joan de 187, 270
- Pagés Giménez, Marc 216
- Pardo Soto, Luis Carlos 233, 238, 320, 462
- Pascual Gainza, Pedro 323
- Pastor Artigues, M. Magdalena 53, 404
- Pastor Ferrer, Elsa 295, 342, 360
- Pastor Moreno, Rafael 71, 102, 103, 131, 132, 173, 324, 366, 367
- Pedra Duran, Joaquim 234, 253, 297, 298, 300, 392
- Pegueroles Neyra, Marta 87
- Pérez Antoñanzas, Román 111, 242
- Pérez González, Juan Jesús 384, 452
- Pérez Madrigal, María del Mar 281, 335, 336, 337, 344
- Pla Garcia, Nuria 271
- Planas Cuchi, Eulàlia 214, 295, 342
- Planas Rodríguez, Carla 341, 345, 405
- Planas Vilanova, Francesc d'Assis 191, 343
- Planell Estany, Josep Anton 237, 243, 409, 410, 421
- Presas Batllo, Alexandre 136, 347, 348
- Pretel Sanchez, M. del Carmen 319, 419, 420
- Principi, Sara 349, 350
- Puig Cayuela, Vicenç 52, 85, 86, 151, 152, 391, 296, 297, 298, 396, 397, 398, 399, 400, 401, 402, 403, 422, 444, 445, 464, 466, 467, 469
- Puig Duran, Martí 351, 352, 427
- Puig Oriol, Xavier 353, 354
- Puig Ortiz, Joan 356
- Puiggali Bellalta, Jorge 49, 84, 125, 126, 127, 249, 250, 251, 262, 263, 281, 306, 307, 308, 309, 335, 344, 375, 457
- Pujante Agudo, Jaume 357

Amunt

# Autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

- Ramírez Camacho, Jaime Giovanni 360  
Ramis Juan, Xavier 1, 2, 3, 153, 189, 206, 207, 302  
Reig Amat, Mònica 244, 368, 447  
Ribas Fargas, David 370  
Ribas Vila, Immaculada 98, 104, 371, 372  
Riego Pérez, Albert 319, 465  
Roa Rovira, Joan Josep 144, 145, 280, 289, 376, 377, 378, 379, 380, 450, 451, 456, 473  
Roca Rosell, Antoni-maria Claret 382, 383  
Rodero de Lamo, Lourdes 59, 194, 404  
Rodríguez Montañés, Rosa 29, 30  
Romanini, Michaela 454, 474, 475  
Roure Fernandez, Francisco 53, 404  
Ruiz Mansilla, Rafael 68

[Amunt](#)

- Sainz Sapera, Luis 291, 299, 300  
Salas Olle, Carles 411, 412  
Salla Tarrago, Jose Maria 1, 302  
Salud Puig, Josep 129, 381  
Sanfeliu Cortés, Alberto 226  
Santana Pérez, Orlando Onofre 69, 78, 159, 274  
Saperas Plana, Nuria 373, 423  
Segovia Gómez, Francisco José 426  
Sempau Roma, Josep 387, 388  
Serra De Larrocha, Carina 240  
Serra Prat, Maria 256, 257  
Sola-Morales Rubio, Juan de la Cruz 290  
Solano Albajes, Luis 135  
Soler Turu, Lluís 25  
Sumper, Andreas 315

[Amunt](#)

# autors

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

Tamarit Mur, Jose Luis 48, 167, 215, 238, 252, 312, 334, 441, 442, 446, 454, 462, 474, 475, 476

Tarragó Cifre, José María 379

Torrent Camarero, Sergi 62

Tort-Martorell Llabres, Javier 58, 156, 194, 372

Tost Pardell, Daniela 18

Triguero Enguídanos, Jordi 259

Turon Viñas, Miquel 455, 456

Tzanko Tzanov 158

[Amunt](#)

**V**alderrama Angel, Cesar Alberto 117, 118, 119, 199, 217, 244, 470

Valentín Ruiz, David 136, 347, 348

Valero Ferrando, M<sup>a</sup> Del Carmen 136, 347, 348

Vallverdú Ferrer, Montserrat 42, 195, 196, 287, 459

Vargas Drechsler, Arturo 218, 461

Veciana Fontanet, Joaquim Maria 330, 463

Vigo Anglada, Marc 271, 376

Vivancos Calvet, Joan 58, 59, 227, 327

[Amunt](#)

**Z**anuy Gomara, David 259, 260

[Amunt](#)

# Departaments

En aquest apartat es pot consultar, de cada Departament i Institut, els investigadors de l'ETSEIB amb articles de revista publicats durant l'any 2015 i introduïts a DRAC.

- D702 Departament de Ciència dels Materials i Enginyeria Metal·lúrgica
- D707 Departament d'Enginyeria de Sistemes, Automàtica i Informàtica Industrial
- D709 Departament d'Enginyeria Elèctrica
- D710 Departament d'Enginyeria Electrònica
- D712 Departament d'Enginyeria Mecànica
- D713 Departament d'Enginyeria Química
- D715 Departament d'Estadística i Investigació Operativa
- D717 Departament d'Enginyeria Gràfica
- D723 Departament de Ciències de la Computació
- D724 Departament de Màquines i Motors Tèrmics
- D729 Departament de Mecànica de Fluids
- D732 Departament d'Organització d'Empreses
- D737 Departament de Resistència dels Materials i Estructures en Enginyeria
- D748 Departament de Física
- D749 Departament de Matemàtiques
- D756 Departament de Teoria i Història de l'Arquitectura i Tècniques de Comunicació
- D758 Departament d'Enginyeria de Projectes i de la Construcció
- IOC Institut d'Organització i Control de Sistemes Industrials
- INTE Institut de Tècniques Energètiques

# departments

## D702 Ciència dels Materials i Enginyeria Metal·lúrgica

- Anglada Gomila, Marcos Juan 73, 74, 75, 107, 134, 288, 289, 406, 455, 456
- Buxadera Palomero, Judit 62
- Cabrera Marrero, Jose Maria 12, 66, 83, 146, 285, 286, 369, 389, 390, 408, 431, 443
- Cailloux, Jonathan 69, 79, 159, 274
- Calvo Muñoz, Jessica 280, 286, 377
- Camposilvan, Erik 73, 74, 75
- Canal Barnils, Cristina 62, 239, 325, 326
- Engel Lopez, Elisabet 33, 243, 409, 410, 421
- Español Pons, Montserrat 140, 292
- Fargas Ribas, Gemma 144, 145, 280
- Flamant, Quentin Jean Alain 74
- Fraioli, Roberta 157
- Garcia Marro, Fernando 75, 264, 289, 456, 472
- Gil Mur, Francisco Javier 13, 60, 62, 87, 157, 179, 180, 181, 200, 220, 239, 268, 273, 321, 385, 407
- Ginebra Molins, Maria Pau 11, 111, 140, 149, 237, 242, 261, 292, 313, 325, 326, 339, 458
- Guillem Martí, Jordi 149, 200, 220, 221
- Jimenez Pique, Emilio 55, 107, 134, 264, 359, 377, 378, 379, 380, 406, 425, 449, 450, 471
- Llanes Pitarch, Luis Miguel 55, 264, 305, 359, 379, 429, 448, 449, 450, 451, 472, 473
- Lopez Perez, David Orencio 129, 381
- Manero Planella, Jose M 87, 157, 179, 180, 181, 200, 220, 221, 321, 385, 407
- Martinez Benasat, Antonio 414
- Mas Moruno, Carlos 157, 179, 221, 273, 385
- Maspoch Ruldua, Maria Lluïsa 69, 79, 159, 184, 274
- Mateo Garcia, Antonio Manuel 144, 145, 265, 266, 280, 377, 378, 379, 380
- Mestra Rodriguez, Alvaro Miguel 75, 264, 359
- Molmeneu Trias, Meritxell 268
- Pegueroles Neyra, Marta 87
- Pérez Antoñanzas, Román 111, 242

# departments

Planell Estany, Josep Anton 237, 243, 409, 410, 421

Pujante Agudo, Jaume 357

Ribas Fargas, David 370

Roa Rovira, Joan Josep 144, 145, 280, 289, 376, 377, 378, 379, 380, 450, 451, 456, 473

Santana Pérez, Orlando Onofre 69, 78, 159, 274

Torrent Camarero, Sergi 62

Turon Viñas, Miquel 455, 456

[Amunt](#)

## D707 Departament d'Enginyeria de Sistemes, Automàtica i Informàtica Industrial

Angulo Baon, Cecilio 26, 128, 316, 340, 355

Caminal Magrans, Pedro 28, 42, 195, 196, 287, 459

Costa Castelló, Ramon 106

Fossas Colet, Enric 101, 394

Mañanas Villanueva, Miguel Angel 19, 20, 21, 32, 254, 293

Puig Cayuela, Vicenç 52, 85, 86, 151, 152, 391, 296, 297, 298, 396, 397, 398, 399, 400, 401, 402, 403, 422, 444, 445, 464, 466, 467, 469

Sanfeliu Cortés, Alberto 226

Serra Prat, Maria 256, 257

Vallverdú Ferrer, Montserrat 42, 195, 196, 287, 459

[Amunt](#)

## D709 Departament d'Enginyeria Elèctrica

Aragüés Peñalba, Mónica 27

Bergas Jane, Joan Gabriel 315

Córcoles López, Felipe 234, 297, 298, 392

Galcerán Arellano, Samuel 27

Gomis Bellmunt, Oriol 27

Heredero Peris, Daniel 216

# departments

- Llonch Masach, Marc 248  
Martinez Velasco, Juan Antonio 365  
Mesas García, Juan José 291  
Montesinos Miracle, Daniel 216, 247, 248  
Moreno Egilaz, Juan Manuel 393, 417, 418, 438  
Pagés Giménez, Marc 216  
Pedra Duran, Joaquim 234, 253, 297, 298, 300, 392  
Sainz Sapera, Luis 291, 299, 300  
Sumper, Andreas 315

[Amunt](#)

## D710 Departament d'Enginyeria Electrònica

- Arumi Delgado, Daniel 29, 30  
Balado Suarez, Luz Maria 185, 186  
Bordonau Farrerons, Jose 61, 70  
Busquets Monge, Sergio 61  
Calle Prado, Alejandro 70  
Carrasco Lopez, Juan Antonio 9  
Figueras Pamies, Juan 185, 186  
Lupon Roses, Emilio José 61  
Manich Bou, Salvador 311  
Rodríguez Montañés, Rosa 29, 30

[Amunt](#)

## D712 Departament d'Enginyeria Mecànica

- Agulló Batlle, Joaquim 40  
Barjau Condomines, Ana 40  
Buj Corral, Irene 58, 59, 227  
Cardona Foix, Salvador 463

# departments

- Català Calderon, Pau 183, 463  
Fenollosa Artés, Felip 148  
Ferrer Martí, Laia 131, 132, 155, 245, 246, 366, 367  
Font Llagunes, Josep Maria 40, 172, 175, 188, 395, 428  
Martínez Miralles, Jordi Ramon 356  
Minguella Canela, Joaquim 2, 34, 148, 294  
Puig Ortiz, Joan 356  
Veciana Fontanet, Joaquim Maria 330, 463  
Vivancos Calvet, Joan 58, 59, 227, 327

[Amunt](#)

## D713 Departament d'Enginyeria Química

- Acosta Reyes, Francisco Javier 4, 5, 423  
Aleman Llanso, Carlos Enrique 24, 49, 50, 100, 112, 113, 114, 227, 258, 259, 260, 267, 281, 328, 329, 333, 335, 336, 337, 344, 375, 432, 439, 453, 457  
Alla Bedahnane, Abdelilah 47, 231, 477  
Almajano Pablos, María Pilar 31, 165, 176, 426, 436  
Armelin Diggroc, Elaine 112, 114, 227, 267, 328, 329, 335, 337, 432  
Bou Serra, Jorge 69  
Campos Lopez, Josefa de Lourdes 4, 5, 423  
Casal Fabrega, Joaquim 214, 342, 351, 360  
Casas Becerra, M. Teresa 49, 84, 125, 126, 307  
Casas Pons, Ignasi 141, 187, 270  
Cortina Pallas, Jose Luis 117, 118, 119, 199, 217, 244, 268, 447  
Darbra Roman, Rosa Maria 351, 352, 427  
Del Valle Mendoza, Luis Javier 49, 77, 123, 127, 190, 249, 250, 251, 258, 259, 306, 308, 309, 336, 337, 344, 375, 439, 451  
Dombayci, Canan 130, 303, 304  
Espuña Camarasa, Antonio 130, 225, 284, 303, 304, 433, 434, 435  
Estrany Coda, Francisco 258, 259, 262, 281, 307

# departments

Fabregat Jove, Georgina 258, 259

Farran Marsa, Adriana 199

Franco Garcia, Maria Lourdes 125, 262, 307

Gibert Agullo, Oriol 244, 368

Gimenez Izquierdo, Francisco Javier 177, 270

Hemmatian, Behrouz 214

Herranz Agustin, Concepción 200

Hjaila , Kefah 225

Iribarren Laco, Jose Ignacio 227, 267

Licon Bernal, Edxon Eduardo 244

Martí Gregorio, Vicenç 370

Martinez de Iiarduya Saez de Asteasu, Antxon 47, 232, 477

Miralles Esteban, Nuria 470

Muñoz Guerra, Sebastian 47, 232, 477

Pablo Ribas, Joan de 187, 270

Pastor Ferrer, Elsa 295, 342, 360

Pérez González, Juan Jesús 384, 452

Pérez Madrigal, Maria del Mar 281, 335, 336, 337, 344

Planas Cuchi, Eulàlia 214, 295, 342

Puig Duran, Martí 351, 352, 427

Puiggali Bellalta, Jorge 49, 84, 125, 126, 127, 249, 250, 251, 262, 263, 281, 306, 307, 308, 309, 335, 344, 375, 457

Ramírez Camacho, Jaime Giovanni 360

Saperas Plana, Nuria 373, 423

Triguero Enguídanos, Jordi 259

Tzanko Tzanov 158

Valderrama Angel, Cesar Alberto 117, 118, 119, 199, 217, 244, 470

Zanuy Gomara, David 259, 260

[Amunt](#)

# departaments

## D715 Departament d'Estadística i Investigació Operativa

Fontdecaba Rigat, Sandra 156

Ginebra Molins, Josep 353, 351

Graffelman, Jan 192, 193

Grima Cintas, Pedro 156, 194

Marco Almagro, Lluís 58

Puig Oriol, Xavier 353, 354

Rodero de Lamo, Lourdes 59, 194, 404

Tort-Martorell Llabres, Javier 58, 156, 194, 372

Amunt

## D717 Departament d'Enginyeria Gràfica

Monguet Fierro, José María 236

Amunt

## D723 Departament de Ciències de la Computació

Joan Arinyo, Robert 222

Pla Garcia, Nuria 271

Solano Albajes, Luis 135

Tost Pardell, Daniela 18

Vigo Anglada, Marc 271, 376

Amunt

## D724 Departament de Màquines i Motors Tèrmics

Álvarez Florez, Jesús Andrés 23, 438

Fernández Francos, Xavier 153, 189, 206, 207, 263

Gutiérrez González, Ernesto 201

Mas de les Valls, Elisabet 10, 437

# departments

Medina Iglesias, Vicente Cesar 92, 122

Morancho Luna, José María 1, 302

Ramis Juan, Xavier 1, 2, 3, 153, 189, 206, 207, 302

Ruiz Mansilla, Rafael 68

Salla Tarrago, Jose María 1, 302

Tarragó Cifre, José María 379

[Amunt](#)

## D729 Departament de Mecànica de Fluids

Egusquiza Estevez, Eduardo 23, 120, 136, 150, 322, 347, 348

Escaler Puigoriol, Francesc Xavier 120, 138, 223, 224, 358

Presas Batlló, Alexandre 136, 347, 348

Valentín Ruiz, David 136, 347, 348

Valero Ferrando, Mª Del Carmen 136, 347, 348

[Amunt](#)

## D732 Departament d'Organització d'Empreses

Alfaro Pozo, Rocio 43, 44

Bautista Valhondo, Joaquin 43, 44, 45, 46, 93

Calleja Sanz, Gema 71

Corominas Subias, Albert 71, 101, 102, 103, 104, 173

Darbra Roman, Rosa Maria 351, 352, 427

Gallardo Gallardo, Eva 164

García Villoria, Alberto 71, 102, 173, 324, 366, 367

Lordan González, Oriol 91, 255

Lusa García, Amaia 103, 121

Martinez Costa, M. Carmen 272, 362, 363, 364

Mas Machuca, Marta 272

Mateo Doll, Manuel 104, 121

# departments

Pastor Moreno, Rafael 71, 102, 103, 131, 132, 173, 324, 366, 367

Ribas Vila, Immaculada 98, 104, 371, 372

Salas Olle, Carles 411, 412

[Amunt](#)

## D737 Departament de Resistència dels Materials i Estructures en Enginyeria

Bonada Bo, Jordi 53

Casafont Ribera, Miquel 53

Pastor Artigues, M. Magdalena 53, 404

Roure Fernandez, Francisco 53, 404

[Amunt](#)

## D748 Departament de Física

Calviño Tavares, Francisco 241, 319, 465

Cortes Rossell, Guillem Pere 241, 319, 465

Del Barrio Casado, María 48, 167, 215, 252, 312, 441, 442, 474

Díaz Bayona, Pedro 269

Díaz Berart, Sergio 129

Dies Llovera, Javier 38, 269, 374

Freixa Terradas, Jordi 162

Gómez Hornillos, María Belén 241, 319

Jaen Herbera, Javier 231

Lana Pons, Francisco Javier 240, 301

Lloveras Muntane, Pol Marcel 174, 441, 442

Martínez Quiroga, Víctor Manuel 162

Mendoza Gómez, Ernest 228, 229

Pardo Soto, Luis Carlos 233, 238, 320, 462

Riego Pérez, Albert 319, 465

Romanini, Michaela 454, 474, 475

# departments

Salud Puig, Josep 129, 381

Serra De Larrocha, Carina 240

Tamarit Mur, Jose Luis 48, 167, 215, 238, 252, 312, 334, 441, 442, 446, 454, 462, 474, 475, 476

[Amunt](#)

## D749 Departament de Matemàtiques

Álvarez Montaner, Josep 22

Barja Yañez, Miguel Angel 39

Cabré Vilagut, Xavier 63, 64, 65

Casanellas Rius, Marta 80

Clotet Juan, Jose 95

Compta Creus, Albert 99

Consul Porras, Maria Nieves 63

Delshams i Valdes, Amadeu 124

Fedorov, Yury 147

Fernández Sánchez, Jesús 80, 154, 468

Ferrer Llop, Jose 99

García Planas, María Isabel 133, 168, 169, 170, 171

Gonzalez Nogueras, María Del Mar 35, 143, 160

Gutiérrez Serrés, Pere 202, 203, 204, 205

Haro Cases, Jaime 137, 209, 210, 211

Hernando Martín, María Del Carmen 67, 219

Lazaro Ochoa, Jose Tomas 6, 88

Magret Planas, María Dels Dolors 95, 169

Masdemont Soler, Josep Joaquim 314, 338, 346, 415, 416

Massa Esteve, María Rosa 139, 275, 276, 277, 278, 279

Ollé Torner, María Mercedes 41

Pascual Gainza, Pedro 323

Planas Vilanova, Francesc d'Assis 191, 343

# departments

Roca Rosell, Antoni-maria Claret 382, 383

Sola-Morales Rubio, Juan de la Cruz 290

[Amunt](#)

## D756 Departament de Teoria i Història de l'Arquitectura i Tècniques de Comunicació

Aguilar Pérez, Marta 8

[Amunt](#)

## D758 Departament d'Enginyeria de Projectes i de la Construcció

Alavedra Ribot, Pere 341, 405

Baldasano Recio, Jose M. 36, 51, 72, 108, 166, 430, 440, 460

Cremades Oliver, Lázaro 7, 109, 182, 282, 283

Cuerva Contreras, Eva 310, 341, 345, 405

Eguia Gómea, Jose Luis 135

García Gil, Manuel 142

González Benítez, María Margarita 109, 110

Lloveras Macia, Joaquín 105, 197, 413

Planas Rodríguez, Carla 341, 345, 405

[Amunt](#)

## IOC Institut d'Organització i Control de Sistemes Industrials

Basañez Villaluenga, Luis 17

Corominas Subias, Albert 71, 101, 102, 103, 104, 173

Ferrer Llop, Jose 99

Ferrer Martí, Laia 131, 132, 155, 245, 246, 366, 367

Fossas Colet, Enric 101, 394

García Villoria, Alberto 71, 102, 173, 324, 366, 367

Lusa García, Amaia 103, 121

# departments

Martinez Costa, M. Carmen 272, 362, 363, 364

Mateo Doll, Manuel 104, 121

Pastor Moreno, Rafael 71, 102, 103, 131, 132, 173, 324, 366, 367

[Amunt](#)

## INTE Institut de Tècniques Energètiques

Casanovas Grau, Albert 230

Duch Guillen, Maria Amor 349, 350

Ginjaume Egido, Mercè 57, 78, 349, 350, 424

Jimenez Divins, Nuria 230

Llorca Pique, Jordi 25, 37, 54, 76, 81, 82, 89, 96, 97, 115, 116, 141, 163, 198, 208, 212, 213, 230, 296, 317, 318, 331, 332, 361, 478

Pretel Sanchez, M. del Carmen 319, 419, 420

Principi, Sara 349, 350

Sempau Roma, Josep 387, 388

Soler Turu, Lluís 25

Vargas Drechsler, Arturo 218, 461

[Amunt](#)

# Revistes

En aquest apartat es pot consultar el llistat de les revistes on han publicat professors de l'ETSEIB, amb l'índex d'impacte de cadascuna d'elles.

a b c d e f g h i j k l m n o p q r s t u v w x y z

ACS applied materials & interfaces 140, 158, 181, 228, 261, 337

Índex d'impacte 7.145 **1r quartil**

Lloc en el rànquing: 14 de 83

Acta Biomaterialia 75, 237, 243, 325, 326

Índex d'impacte 6.008 **1r quartil**

Lloc en el rànquing: 2 de 33

Acta Crystallographica Section D Biological Crystallography Journal 423

Índex d'impacte 2.333 **2n quartil**

Lloc en el rànquing: 10 de 26

Acta Materialia 16, 441, 471

Índex d'impacte 5.058 **1r quartil**

Lloc en el rànquing: 2 de 73

Advanced Healthcare Materials 385

Índex d'impacte 5.760 **1r quartil**

Lloc en el rànquing: 4 de 76

Advances in Mathematics 160

Índex d'impacte 1.405 **1r quartil**

Lloc en el rànquing: 23 de 312

Advances in Polymer Technology 159

Índex d'impacte 1.114 **3r quartil**

Lloc en el rànquing: 80 de 135

Advances in Pure and Applied Mathematics 169

Sense Índex d'impacte

Advances in Space Research 415, 416

Índex d'impacte 1.409 **3r quartil**

Lloc en el rànquing: 38 de 61

Aeolian Research 72

Índex d'impacte 2.275 **2n quartil**

Lloc en el rànquing: 19 de 49

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

# Revistes

Agricultural and Forest Meteorology 176  
Índex d'impacte 4.461 **1r quartil**  
Lloc en el rànquing: 2 de 83

American statistician 194  
Índex d'impacte 1.215 **2n quartil**  
Lloc en el rànquing: 46 de 123

Anales de mecánica de la fractura 305  
Sense Índex d'impacte

Analysis and PDE 63  
Índex d'impacte 1.304 **1r quartil**  
Lloc en el rànquing: 27 de 312

Angewandte Chemie International Edition 25  
Índex d'impacte 11.709 **1r quartil**  
Lloc en el rànquing: 11 de 163

Annual Reviews in Control 151, 401  
Índex d'impacte 2.042 **2n quartil**  
Lloc en el rànquing: 17 de 52

Antioxidants 31  
Sense Índex d'impacte

Applied Catalysis A 37  
Índex d'impacte 4.012 **1r quartil**  
Lloc en el rànquing: 35 de 144

Applied Catalysis B-Environmental 296  
Índex d'impacte 8.328 **1r quartil**  
Lloc en el rànquing: 14 de 144

Applied clay science 110  
Sense Índex d'impacte

Applied Energy 435  
Índex d'impacte 5.746 **1r quartil**  
Lloc en el rànquing: 10 de 88

Applied Microbiology and Biotechnology 229  
Índex d'impacte 3.376 **2n quartil**  
Lloc en el rànquing: 41 de 161

Applied Physics Letters 442  
Índex d'impacte 3.142 **1r quartil**  
Lloc en el rànquing: 28 de 145

Applied surface science 329  
Índex d'impacte 3.150 **2n quartil**  
Lloc en el rànquing: 49 de 144

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

# Revistes

Architectural Engineering and Design Management 405

Sense Índex d'impacte

Archives of Microbiology 77

Índex d'impacte 1.715 **3r quartil**

Lloc en el rànquing: 88 de 123

Ars Mathematica Contemporanea 219

Índex d'impacte 0.850 **1r quartil**

Lloc en el rànquing: 60 de 312

Asian Journal of Control 364, 394

Índex d'impacte 1.407 **3r quartil**

Lloc en el rànquing: 31 de 59

Atmospheric Chemistry and Physics 108

Índex d'impacte 5.114 **1r quartil**

Lloc en el rànquing: 6 de 84

Atmospheric Environment 440

Índex d'impacte 3.459 **1r quartil**

Lloc en el rànquing: 42 de 225

Atmospheric Measurement Techniques 51, 430

Índex d'impacte 2.989 **2n quartil**

Lloc en el rànquing: 23 de 84

Automatica 398

Índex d'impacte 3.635 **1r quartil**

Lloc en el rànquing: 4 de 59

Automática e instrumentación 148, 216, 247, 248

Sense Índex d'impacte

Amunt

BDC. Bollettino Del Centro Calza Bini 7

Sense Índex d'impacte

Biochemical Engineering Journal 386

Índex d'impacte 2.463 **2n quartil**

Lloc en el rànquing: 62 de 161

Biointerphases: an open access journal for the biomaterials interface community 62

Índex d'impacte 2.105 **3r quartil**

Lloc en el rànquing: 42 de 62

Biomacromolecules 179, 232

Índex d'impacte 5.583 **1r quartil**

Lloc en el rànquing: 5 de 85

# Revistes

Biomaterials 239, 421  
Índex d'impacte 8.387 **1r quartil**  
Lloc en el rànquing: 2 de 76

Biomaterials Science 259  
Índex d'impacte 3.614 **2n quartil**  
Lloc en el rànquing: 11 de 33

Biopolymers 5  
Índex d'impacte 2.248 **3r quartil**  
Lloc en el rànquing: 186 de 289

Boundary-Layer Meteorology 36  
Índex d'impacte 2.525 **3r quartil**  
Lloc en el rànquing: 27 de 84

Amunt

Catalysis Today 81, 89, 96, 213, 230  
Índex d'impacte 4.312 **1r quartil**  
Lloc en el rànquing: 4 de 71

Catalysis, Structure & Reactivity 116  
Sense Índex d'impacte

Celestial Mechanics and Dynamical Astronomy 338  
Índex d'impacte 1.594 **3r quartil**  
Lloc en el rànquing: 37 de 61

Cell and Tissue Research 373  
Índex d'impacte 2.948 **3r quartil**  
Lloc en el rànquing: 99 de 187

Ceramics International 34, 288, 289, 456  
Índex d'impacte 2.758 **1r quartil**  
Lloc en el rànquing: 3 de 27

ChemCatChem 97, 361  
Índex d'impacte 4.724 **1r quartil**  
Lloc en el rànquing: 29 de 144

Chemical engineering journal 199, 217, 317, 331  
Índex d'impacte 5.310 **1r quartil**  
Lloc en el rànquing: 4 de 50

Chemical Engineering Transactions 303, 304  
Sense Índex d'impacte

Chemistry- A European Journal 49, 281, 453, 457  
Sense Índex d'impacte

# Revistes

- a**  
**b**  
**c**  
**d**  
**e**  
**f**  
**g**  
**h**  
**i**  
**j**  
**k**  
**l**  
**m**  
**n**  
**o**  
**p**  
**q**  
**r**  
**S**  
**t**  
**u**  
**v**  
**w**  
**x**  
**y**  
**z**
- Clinical Biomechanics 428  
Índex d'impacte 1.636 **3r quartil**  
Lloc en el rànquing: 44 de 76
- Clinical Oral Implants Research 180  
Índex d'impacte 3.464 **1r quartil**  
Lloc en el rànquing: 7 de 89
- Cold Regions Science and Technology 316  
Índex d'impacte 1.693 **3r quartil**  
Lloc en el rànquing: 27 de 50
- Collectanea mathematica 80  
Índex d'impacte 0.593 **3r quartil**  
Lloc en el rànquing: 27 de 50
- Colloids and Surfaces B. Biointerfaces 87, 157, 221  
Índex d'impacte 3.902 **1r quartil**  
Lloc en el rànquing: 14 de 72
- Communications in Algebra 22  
Índex d'impacte 0.368 **4t quartil**  
Lloc en el rànquing: 263 de 312
- Communications in nonlinear science and numerical simulation 41, 255  
Índex d'impacte 2.834 **1r quartil**  
Lloc en el rànquing: 5 de 254
- Computational & Applied Mathematics 88  
Índex d'impacte 0.802 **2n quartil**  
Lloc en el rànquing: 127 de 254
- Computer Aided Chemical Engineering 130, 225, 284, 434  
Sense Índex d'impacte
- Computer Journal 102  
Índex d'impacte 1.000 **3r quartil**  
Lloc en el rànquing: 27 de 51
- Computer-Aided Design 222  
Índex d'impacte 2.149 **1r quartil**  
Lloc en el rànquing: 8 de 106
- Computers & industrial engineering 371  
Índex d'impacte 2.086 **2n quartil**  
Lloc en el rànquing: 27 de 104
- Computers & Operations Research 173  
Índex d'impacte 1.988 **2n quartil**  
Lloc en el rànquing: 32 de 104

# Revistes

Computers and Mathematics with Applications 9  
Índex d'impacte 1.398 **2n quartil**  
Lloc en el rànquing: 46 de 254

Connection Science 355  
Índex d'impacte 1.125 **3r quartil**  
Lloc en el rànquing: 77 de 130

Corrosion Science 113  
Índex d'impacte 5.154 **1r quartil**  
Lloc en el rànquing: 34 de 271

Crystal growth and design 48, 215  
Índex d'impacte 4.425 **1r quartil**  
Lloc en el rànquing: 31 de 163

Crystengcomm 312  
Índex d'impacte 3.849 **1r quartil**  
Lloc en el rànquing: 37 de 163

Amunt

Dalton Transactions 375  
Índex d'impacte 4.177 **1r quartil**  
Lloc en el rànquing: 10 de 46

Dental Materials 406  
Índex d'impacte 3.931 **1r quartil**  
Lloc en el rànquing: 5 de 89

Desalination 368, 447  
Índex d'impacte 4.412 **1r quartil**  
Lloc en el rànquing: 12 de 135

Desalination and water treatment 244, 370  
Índex d'impacte 1.272 **3r quartil**  
Lloc en el rànquing: 74 de 135

Disability and Rehabilitation 18  
Índex d'impacte 1.919 **1r quartil**  
Lloc en el rànquing: 14 de 65

Duke Mathematical Journal 39  
Índex d'impacte 2.350 **1r quartil**  
Lloc en el rànquing: 9 de 312

Dyna 282, 283, 341  
Índex d'impacte 0.302 **4t quartil**  
Lloc en el rànquing: 77 de 85

# Revistes

Dynamical Systems - Series A 6  
Sense Índex d'impacte

Amunt

**e** Education and Information Technologies Journal 133  
Sense Índex d'impacte

Education in the knowledge Society 135  
Sense Índex d'impacte

Electric power components and Systems 291, 299  
Índex d'impacte 0.747 **3r quartil**  
Lloc en el rànquing: 180 de 255

Electric power systems research 300, 393  
Índex d'impacte 1.809 **2n quartil**  
Lloc en el rànquing: 85 de 255

Electronic notes in discrete mathematics 67  
Sense Índex d'impacte

Energies 315, 322  
Índex d'impacte 2.077 **2n quartil**  
Lloc en el rànquing: 43 de 88

Energy 367, 433  
Índex d'impacte 4.292 **1r quartil**  
Lloc en el rànquing: 3 de 58

Energy for sustainable development 245, 246  
Índex d'impacte 2.379 **2n quartil**  
Lloc en el rànquing: 14 de 29

Engineering Applications of Artificial Intelligence 444  
Índex d'impacte 2.368 **1r quartil**  
Lloc en el rànquing: 12 de 59

Engineering Edge 358  
Sense Índex d'impacte

Engineering Failure Analysis 23  
Índex d'impacte 1.358 **2n quartil**  
Lloc en el rànquing: 49 de 132

Engineering Fracture Mechanics 414  
Índex d'impacte 2.024 **1r quartil**  
Lloc en el rànquing: 33 de 125

# Revistes

Engineering Structures 53

Índex d'impacte 1.893 **1r quartil**  
Lloc en el rànquing: 28 de 126

Environmental Chemistry Letters 208

Índex d'impacte 2.918 **1r quartil**  
Lloc en el rànquing: 55 de 163

Environmental Earth Sciences 92

Índex d'impacte 1.765 **2n quartil**  
Lloc en el rànquing: 105 de 223

Environmental Engineering Science 270

Índex d'impacte 1.481 **3r quartil**  
Lloc en el rànquing: 31 de 50

Environmental Science & Policy 352

Índex d'impacte 2.972 **2n quartil**  
Lloc en el rànquing: 60 de 225

European journal of operational research 45, 71

Índex d'impacte 2.679 **1r quartil**  
Lloc en el rànquing: 9 de 82

European polymer journal 3, 24, 153, 262, 306

Índex d'impacte 3.485 **1r quartil**  
Lloc en el rànquing: 13 de 85

Expert Systems with Applications 44, 105, 372

Índex d'impacte 2.981 **1r quartil**  
Lloc en el rànquing: 19 de 130

Express polymer letters 1, 274

Índex d'impacte 2.965 **1r quartil**  
Lloc en el rànquing: 19 de 85

Amunt

Far East Journal of Applied Mathematics 95

Sense Índex d'impacte

Fibers 263

Sense Índex d'impacte

Food science and technology international 190

Índex d'impacte 0.991 **3r quartil**  
Lloc en el rànquing: 49 de 71

Food Technology and Biotechnology 436

Índex d'impacte 1.179 **4t quartil**  
Lloc en el rànquing: 129 de 161

# Revistes

Fuel Processing Technology 117  
Índex d'impacte 3.847 **1r quartil**  
Lloc en el rànquing: 9 de 71

Fusion engineering and design 38, 374, 437  
Índex d'impacte 1.301 **1r quartil**  
Lloc en el rànquing: 6 de 32

Fuzzy Sets and Systems 403  
Índex d'impacte 2.098 **1r quartil**  
Lloc en el rànquing: 13 de 105

Amunt

G-3 Genes Genomes Genetics 193  
Sense Índex d'impacte

Gaceta de la Real Sociedad Matemática Española, La 139  
Sense Índex d'impacte

General Relativity and Gravitation 209, 231  
Índex d'impacte 1.668 **3r quartil**  
Lloc en el rànquing: 36 de 61

Geographical Analysis 354  
Índex d'impacte 1.571 **2n quartil**  
Lloc en el rànquing: 24 de 77

Geosciences journal 301  
Índex d'impacte 0.922 **4t quartil**  
Lloc en el rànquing: 146 de 184

Greenport 427  
Sense Índex d'impacte

Amunt

Human Resource Management 164  
Sense Índex d'impacte

Human and Ecological Risk Assessment 470  
Índex d'impacte 1.306 **3r quartil**  
Lloc en el rànquing: 14 de 225

Amunt

# Revistes

Icon 383

Sense Índex d'impacte

IEEE Latin America Transactions 106, 170, 201  
Índex d'impacte 0.436 **4t quartil**  
Lloc en el rànquing: 132 de 143

IEEE Transactions on Computer-Aided Design of Integrated Circuits 185  
Índex d'impacte 1.181 **2n quartil**  
Lloc en el rànquing: 20 de 51

IEEE transactions on energy conversion 234, 298  
Índex d'impacte 2.596 **2n quartil**  
Lloc en el rànquing: 34 de 88

IEEE transactions on industrial electronics 52, 61, 70, 391, 402, 422  
Índex d'impacte 6.383 **1r quartil**  
Lloc en el rànquing: 1 de 59

IEEE transactions on power delivery 365  
Índex d'impacte 2.032 **2n quartil**  
Lloc en el rànquing: 68 de 255

IEEE transactions on vehicular technology 76, 438  
Índex d'impacte 2.243 **1r quartil**  
Lloc en el rànquing: 55 de 255

IEEE Transactions on Very Large Scale Integration 29, 30  
Índex d'impacte 1.245 **2n quartil**  
Lloc en el rànquing: 19 de 45

IET Computers & Digital Techniques 311  
Índex d'impacte 0.517 **4t quartil**  
Lloc en el rànquing: 41 de 51

IET Control Theory and Applications 152  
Índex d'impacte 1.957 **2n quartil**  
Lloc en el rànquing: 18 de 59

IET Electric Power Applications 253, 297, 392  
Índex d'impacte 1.358 **2n quartil**  
Lloc en el rànquing: 117 de 255

IET Power Electronics 362, 418  
Índex d'impacte 1.683 **2n quartil**  
Lloc en el rànquing: 89 de 249

IET Renewable Power Generation 27  
Índex d'impacte 1.562 **3r quartil**  
Lloc en el rànquing: 19 de 29

# Revistes

- a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
**S**  
t  
u  
v  
w  
x  
y  
z
- Industrial Crops and Products 328, 426  
Índex d'impacte 3.449 **1r quartil**  
Lloc en el rànquing: 2 de 14
- International journal humanoid robotics 128  
Sense Índex d'impacte
- International Journal of Applied Mathematics and Computer Science 397  
Índex d'impacte 1.037 **3r quartil**  
Lloc en el rànquing: 40 de 59
- International Journal of Bilingual Education and Biliguism 8  
Índex d'impacte 1.338 **1r quartil**  
Lloc en el rànquing: 52 de 230
- International Journal of Climatology 460  
Índex d'impacte 3.609 **1r quartil**  
Lloc en el rànquing: 14 de 84
- International Journal of Engineering Education 404  
Índex d'impacte 0.559 **4t quartil**  
Lloc en el rànquing: 31 de 40
- International Journal of Fatigue 265, 266, 448  
Índex d'impacte 2.162 **1r quartil**  
Lloc en el rànquing: 24 de 132
- International journal of hydrogen energy 82, 115, 212, 256  
Índex d'impacte 3.205 **2n quartil**  
Lloc en el rànquing: 47 de 144
- International journal of materials research 109  
Índex d'impacte 0.687 **3r quartil**  
Lloc en el rànquing: 48 de 73
- International Journal of Neuropsychopharmacology 20  
Índex d'impacte 4.333 **1r quartil**  
Lloc en el rànquing: 35 de 192
- International Journal of Pharmaceutics 454  
Índex d'impacte 3.994 **1r quartil**  
Lloc en el rànquing: 42 de 253
- International Journal of Precision Engineering and Manufacturing 463  
Índex d'impacte 1.075 **3r quartil**  
Lloc en el rànquing: 29 de 42
- International journal of production economics 43  
Índex d'impacte 2.782 **1r quartil**  
Lloc en el rànquing: 2 de 44
- International Journal of Production Management and Engineering 98  
Sense Índex d'impacte

# Revistes

- a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z
- International Journal of Production Research 104  
Índex d'impacte 1.693 **2n quartil**  
Lloc en el rànquing: 15 de 44
- International Journal of Refractory Metals and Hard Materials 55, 264, 429, 450, 451  
Índex d'impacte 2.263 **2n quartil**  
Lloc en el rànquing: 87 de 271
- International Journal of Robust and Nonlinear Control 17, 400, 466,  
Índex d'impacte 2.527 **1r quartil**  
Lloc en el rànquing: 10 de 59
- International Journal of Systems Science 464, 469  
Índex d'impacte 1.947 **2n quartil**  
Lloc en el rànquing: 19 de 59
- Investigación y Ciencia 294  
Sense Índex d'impacte
- Investigaciones de historia económica 382  
Sense Índex d'impacte
- Journal Fizika Nizkikh Temperatur 446  
Sense Índex d'impacte
- Journal of Algebra 343  
Índex d'impacte 0.660 **2n quartil**  
Lloc en el rànquing: 134 de 312
- Journal of Alloys and Compounds 390  
Índex d'impacte 3.014 **1r quartil**  
Lloc en el rànquing: 58 de 271
- Journal of Ambient Intelligence and Smart Environments 26  
Índex d'impacte 0.707 **4t quartil**  
Lloc en el rànquing: 104 de 130
- Journal of biomaterials Applications 11, 149, 220, 339  
Índex d'impacte 1.432 **2n quartil**  
Lloc en el rànquing: 34 de 76
- Journal of Biomedical Materials Research Part B: Applied Biomaterials 409, 458, 321  
Índex d'impacte 2.881 **1r quartil**  
Lloc en el rànquing: 17 de 76
- Journal of Catalysis 218  
Índex d'impacte 7.354 **1r quartil**  
Lloc en el rànquing: 20 de 144

Amunt

# Revistes

- a**  
**b**  
**c**  
**d**  
**e**  
**f**  
**g**  
**h**  
**i**  
**j**  
**k**  
**l**  
**m**  
**n**  
**o**  
**p**  
**q**  
**r**  
**s**  
**t**  
**u**  
**v**  
**w**  
**x**  
**y**  
**z**
- Journal of Chemical Education 177  
Índex d'impacte 1.225 **3r quartil**  
Lloc en el rànquing: 104 de 163
- Journal of Chemical Physics 334, 462  
Índex d'impacte 2.897 **2n quartil**  
Lloc en el rànquing: 54 de 144
- Journal of clinical Monitoring and Computing 178  
Índex d'impacte 1.819 **3r quartil**  
Lloc en el rànquing: 20 de 31
- Journal of Controlled Release 33  
Índex d'impacte 7.441 **1r quartil**  
Lloc en el rànquing: 19 de 163
- Journal of cosmology and astroparticle physics 210  
Índex d'impacte 5.634 **1r quartil**  
Lloc en el rànquing: 9 de 61
- Journal of Environmental Radioactivity 218, 461  
Índex d'impacte 2.047 **2n quartil**  
Lloc en el rànquing: 99 de 225
- Journal of Flood Risk Management 94  
Índex d'impacte 1.377 **3r quartil**  
Lloc en el rànquing: 144 de 225
- Journal of Guidance, Control and Dynamics 314  
Índex d'impacte 1.651 **1r quartil**  
Lloc en el rànquing: 4 de 30
- Journal of hazardous materials 360  
Índex d'impacte 4.836 **1r quartil**  
Lloc en el rànquing: 7 de 50
- Journal of Hydrodynamics 224  
Índex d'impacte 0.776 **4t quartil**  
Lloc en el rànquing: 106 de 135
- Journal of Industrial Engineering and Management 103  
Sense Índex d'impacte
- Journal of loss prevention in the process industries 295, 342  
Índex d'impacte 1.409 **3r quartil**  
Lloc en el rànquing: 68 de 135
- Journal of Materials Chemistry B 335  
Índex d'impacte 4.872 **1r quartil**  
Lloc en el rànquing: 4 de 33

# Revistes

Journal of Materials Science: Materials in Medicine 60, 134, 268, 273, 313

Índex d'impacte 2.272 **2n quartil**

Lloc en el rànquing: 27 de 76

Journal of Mathematical Biology 154

Índex d'impacte 1.716 **2n quartil**

Lloc en el rànquing: 32 de 86

Journal of Medical and Biological Engineering 195

Índex d'impacte 1.018 **3r quartil**

Lloc en el rànquing: 55 de 76

Journal of Medical Virology 123

Índex d'impacte 1.998 **3r quartil**

Lloc en el rànquing: 23 de 33

Journal of Neural Engineering 293

Índex d'impacte 3.493 **1r quartil**

Lloc en el rànquing: 10 de 76

Journal of Non-Crystalline Solids 238, 320

Índex d'impacte 1.825 **1r quartil**

Lloc en el rànquing: 5 de 27

Journal of Nonlinear Science 147

Índex d'impacte 2.068 **1r quartil**

Lloc en el rànquing: 14 de 254

Journal of Nuclear Materials 141, 187

Índex d'impacte 2.199 **1r quartil**

Lloc en el rànquing: 2 de 32

Journal of physical chemistry C 50, 233, 474, 475

Índex d'impacte 4.509 **1r quartil**

Lloc en el rànquing: 30 de 144

Journal of Polymer Science Part B: Polymer Physics 258

Índex d'impacte 3.318 **1r quartil**

Lloc en el rànquing: 14 de 85

Journal of Power Electronics 417

Índex d'impacte 0.931 **3r quartil**

Lloc en el rànquing: 158 de 255

Journal of Power Sources 118, 257

Índex d'impacte 6.333 **1r quartil**

Lloc en el rànquing: 22 de 144

Journal of Quantitative Linguistics 353

Índex d'impacte 0.359 **3r quartil**

Lloc en el rànquing: 125 de 179

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

# Revistes

- a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z
- K
- Journal of radiological protection 78  
**Índex d'impacte 1.581 3r quartil**  
Lloc en el rànquing: 123 de 225
- Journal of Rheology 69  
**Índex d'impacte 2.916 1r quartil**  
Lloc en el rànquing: 9 de 135
- Journal of Science Education and Technology 58, 356  
**Índex d'impacte 1.124 3r quartil**  
Lloc en el rànquing: 23 de 40
- Journal of Solar Energy Engineering 138  
**Índex d'impacte 1.571 2n quartil**  
Lloc en el rànquing: 40 de 132
- Journal of Sound and Vibration 347  
**Índex d'impacte 2.107 1r quartil**  
Lloc en el rànquing: 7 de 32
- Journal of Statistical Software 192  
**Índex d'impacte 2.379 1r quartil**  
Lloc en el rànquing: 22 de 104
- Journal of the european ceramic society 73, 107, 376, 379, 455  
**Índex d'impacte 2.933 1r quartil**  
Lloc en el rànquing: 1 de 27
- Journal of The Franklin Institute 399, 467  
**Índex d'impacte 2.327 1r quartil**  
Lloc en el rànquing: 13 de 59
- Journal of the mechanical behavior of biomedical materials research 74  
Sense Índex d'impacte
- Journal of the Operational Research Society 324  
**Índex d'impacte 1.225 2n quartil**  
Lloc en el rànquing: 41 de 82
- Journal of Thermal Analysis and Calorimetry 302  
**Índex d'impacte 1.781 2n quartil**  
Lloc en el rànquing: 22 de 58
- Kyoto Journal of Mathematics 191  
**Índex d'impacte 0.656 2n quartil**  
Lloc en el rànquing: 136 de 312

Amunt

Amunt

# Revistes

La Houille Blanche-Revue Internationale de l'eau 122  
Índex d'impacte 0.212 **4t quartil**  
Lloc en el rànquing: 81 de 85

Landslides 56  
Índex d'impacte 3.049 **1r quartil**  
Lloc en el rànquing: 1 de 35

Lighting Research & Technology 142  
Índex d'impacte 1.667 **2n quartil**  
Lloc en el rànquing: 18 de 61

Linear and Multilinear Algebra 99  
Índex d'impacte 0.761 **2n quartil**  
Lloc en el rànquing: 104 de 312

Amunt

Macromolecular Research 250  
Índex d'impacte 1.357 **3r quartil**  
Lloc en el rànquing: 50 de 85

Magnetohydrodynamics 10  
Índex d'impacte 0.588 **4t quartil**  
Lloc en el rànquing: 118 de 135

Mahara Newsletter 171  
Sense Índex d'impacte

Materials 235  
Índex d'impacte 2.728 **1r quartil**  
Lloc en el rànquing: 63 de 271

Materials and Corrosion 267  
Índex d'impacte 1.450 **3r quartil**  
Lloc en el rànquing: 154 de 271

Materials & Design 12, 407  
Índex d'impacte 3.997 **1r quartil**  
Lloc en el rànquing: 44 de 271

Materials Chemistry and Physics 146  
Índex d'impacte 2.101 **2n quartil**  
Lloc en el rànquing: 97 de 271

Materials science & engineering A-structural materials properties microstructure and processing 83, 144, 200, 285, 286, 377, 378, 380, 389, 408, 431, 443, 449  
Índex d'impacte 2.647 **1r quartil**  
Lloc en el rànquing: 66 de 271

# Revistes

Materials science & engineering C-materials for biological applications 127, 249, 251

Índex d'impacte 3.420 **2n quartil**

Lloc en el rànquing: 12 de 33

Materials testing 280

Índex d'impacte 0.266 **4t quartil**

Lloc en el rànquing: 31 de 33

Materials Transactions 369

Índex d'impacte 0.689 **3r quartil**

Lloc en el rànquing: 46 de 73

Materials-Open Acces Materials Science Journal 129

Índex d'impacte 2.728 **1r quartil**

Lloc en el rànquing: 63 de 271

Mathematical Problems in Engineering 346, 363

Índex d'impacte 0.644 **3r quartil**

Lloc en el rànquing: 59 de 85

Mathematical Reviews 202, 203, 204, 205

Sense Índex d'impacte

MC Salud Laboral 412

Sense Índex d'impacte

Measurement 136

Índex d'impacte 1.742 **2n quartil**

Lloc en el rànquing: 22 de 85

Mechanical Systems and Signal Processing 348

Índex d'impacte 2.771 **1r quartil**

Lloc en el rànquing: 13 de 132

Mechanics of Materials 14

Índex d'impacte 2.636 **1r quartil**

Lloc en el rànquing: 67 de 271

Mechanism and machine theory 175

Índex d'impacte 1.689 **2n quartil**

Lloc en el rànquing: 38 de 132

Medical and Biological Engineering and Computing 21

Índex d'impacte 1.797 **2n quartil**

Lloc en el rànquing: 40 de 104

Medical engineering and physics 42

Índex d'impacte 1.619 **3r quartil**

Lloc en el rànquing: 45 de 76

Medical Physics 387

Índex d'impacte 2.496 **2n quartil**

Lloc en el rànquing: 41 de 124

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
W  
X  
Y  
Z

# Revistes

Metallurgical and Materials Transactions A 145  
Índex d'impacte 1.749 **1r quartil**  
Lloc en el rànquing: 14 de 73

Microsystem Technologies 186  
Índex d'impacte 0.974 **3r quartil**  
Lloc en el rànquing: 157 de 255

Molecular Neurobiology 452  
Índex d'impacte 5.397 **1r quartil**  
Lloc en el rànquing: 32 de 256

Molecular Pharmacology 167  
Índex d'impacte 3.931 **1r quartil**  
Lloc en el rànquing: 45 de 253

Molecules 165  
Índex d'impacte 2.465 **2n quartil**  
Lloc en el rànquing: 24 de 59

Multibody system dynamics 40, 188, 395  
Índex d'impacte 1.389 **3r quartil**  
Lloc en el rànquing: 68 de 135

Amunt

Nanoscale 410, 478  
Índex d'impacte 7.760 **1r quartil**  
Lloc en el rànquing: 18 de 163

Nature Communications 252  
Índex d'impacte 11.329 **1r quartil**  
Lloc en el rànquing: 3 de 63

Nonlinear Analysis: Theory, Methods and Applications 64  
Índex d'impacte 1.125 **1r quartil**  
Lloc en el rànquing: 43 de 312

Nonlinear Dynamics 172  
Índex d'impacte 3.000 **1r quartil**  
Lloc en el rànquing: 8 de 132

Nonlinearity 124  
Índex d'impacte 1.289 **1r quartil**  
Lloc en el rànquing: 60 de 254

Nuclear Engineering and Design 162, 269  
Índex d'impacte 0.967 **3r quartil**  
Lloc en el rànquing: 18 de 32

# Revistes

Nuclear Instruments and Methods in Physics 465  
Índex d'impacte 1.200 **2n quartil**  
Lloc en el rànquing: 9 de 32

Amunt

Ocean & Coastal Management 351  
Índex d'impacte 1.696 **2n quartil**  
Lloc en el rànquing: 28 de 61

Oikonomics 411  
Sense Índex d'impacte

Omega International Journal of Management Science 121  
Índex d'impacte 3.962 **1r quartil**  
Lloc en el rànquing: 2 de 82

Amunt

Pacific Journal of Mathematics 143  
Índex d'impacte 0.656 **2n quartil**  
Lloc en el rànquing: 136 de 312

Pattern recognition 226  
Índex d'impacte 3.399 **1r quartil**  
Lloc en el rànquing: 15 de 130

Pattern recognition letters 340  
Índex d'impacte 1.586 **2n quartil**  
Lloc en el rànquing: 59 de 130

Philosophical Magazine A 161  
Índex d'impacte 2.136 **1r quartil**  
Lloc en el rànquing: 24 de 177

Philosophical Transactions of The Royal Society A 459  
Índex d'impacte 2.441 **1r quartil**  
Lloc en el rànquing: 13 de 63

Physical Chemistry Chemical Physics 260, 476  
Índex d'impacte 4.449 **1r quartil**  
Lloc en el rànquing: 32 de 144

Physical review B: Condensed matter and materials Physics 15  
Índex d'impacte 2.718 **1r quartil**  
Lloc en el rànquing: 16 de 67

Physical review C 241, 319, 419, 420  
Índex d'impacte 3.146 **2n quartil**  
Lloc en el rànquing: 7 de 21

Physical review D 137, 211

# Revistes

Índex d'impacte 4.506 **2n quartil**  
Lloc en el rànquing: 16 de 61

Physical review E 90, 381  
Índex d'impacte 2.252 **1r quartil**  
Lloc en el rànquing: 6 de 53

Physics in Medicine and biology 388  
Índex d'impacte 2.811 **1r quartil**  
Lloc en el rànquing: 19 de 76

Physiological Measurement 19, 28  
Índex d'impacte 1.576 **1r quartil**  
Lloc en el rànquing: 54 de 72

Plos one 4, 91, 111, 196, 254, 287, 292  
Índex d'impacte 3.057 **1r quartil**  
Lloc en el rànquing: 11 de 63

Polymer 84, 307  
Índex d'impacte 3.586 **1r quartil**  
Lloc en el rànquing: 12 de 85

Polymer Chemistry 189, 336, 344  
Índex d'impacte 5.687 **1r quartil**  
Lloc en el rànquing: 4 de 85

Polymer degradation and stability 308  
Índex d'impacte 3.120 **1r quartil**  
Lloc en el rànquing: 17 de 85

Polymer testing 79  
Índex d'impacte 2.350 **1r quartil**  
Lloc en el rànquing: 5 de 33

Polymers 47, 126, 207  
Índex d'impacte 2.944 **1r quartil**  
Lloc en el rànquing: 20 de 85

Procedia Engineering 59, 183, 184, 327, 345  
Sense Índex d'impacte

Procedia- Social and Behavioral Sciences 155  
Sense Índex d'impacte

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 120  
Índex d'impacte 0.730 **3r quartil**  
Lloc en el rànquing: 96 de 132

Progress in organic coatings 2, 112, 114, 227, 432  
Índex d'impacte 2.632 **3r quartil**  
Lloc en el rànquing: 17 de 71

Quality Technology and Quantitative Management 156

Amunt

# Revistes

Índex d'impacte 0.267 **4t quartil**  
Lloc en el rànquing: 35 de 44

Quarterly review of distance education 236  
Sense Índex d'impacte

Amunt

Radiation Protection Dosimetry 57, 349, 350, 424  
Índex d'impacte 0.894 **4t quartil**  
Lloc en el rànquing: 186 de 225

Reliability Engineering & System Safety 214  
Índex d'impacte 2.498 **1r quartil**  
Lloc en el rànquing: 3 de 44

Renewable & Sustainable Energy Reviews 119, 132  
Índex d'impacte 6.798 **1r quartil**  
Lloc en el rànquing: 3 de 29

Renewable Energy 131  
Índex d'impacte 3.404 **2n quartil**  
Lloc en el rànquing: 10 de 29

Revista Colombiana de Biotecnología 413  
Sense Índex d'impacte

Revista Matemática Iberoamericana 35  
Sense Índex d'impacte

Revista Medicina Oral Patología Oral y Cirugía Bucal 13  
Sense Índex d'impacte

Revista Politécnica 223  
Sense Índex d'impacte

RSC Advances 198, 206, 242, 309, 384, 439, 477  
Índex d'impacte 3.289 **2n quartil**  
Lloc en el rànquing: 48 de 163

Amunt

Schizophrenia Research 32  
Índex d'impacte 4.453 **1r quartil**  
Lloc en el rànquing: 25 de 140

# Revistes

Scientia 163

Sense Índex d'impacte

SCM Notícies 323

Sense Índex d'impacte

Shape Memory and Superelasticity 174

Sense Índex d'impacte

SIAM journal on discrete mathematics 290

Índex d'impacte 0.793 **3r quartil**

Lloc en el rànquing: 132 de 254

Signal Processing 330, 396

Índex d'impacte 2.063 **3r quartil**

Lloc en el rànquing: 66 de 255

Simulation 445

Índex d'impacte 0.556 **4t quartil**

Lloc en el rànquing: 97 de 104

Soft computing 93

Índex d'impacte 1.630 **2n quartil**

Lloc en el rànquing: 95 de 130

Soft matter 100, 332, 333

Índex d'impacte 3.798 **2n quartil**

Lloc en el rànquing: 40 de 194

Solar Energy 68, 366

Índex d'impacte 3.685 **1r quartil**

Lloc en el rànquing: 22 de 88

SpringerPlus 101

Índex d'impacte 0.982 **2n quartil**

Lloc en el rànquing: 25 de 63

Surface Coatings Technology 425, 472, 473

Índex d'impacte 2.139 **1r quartil**

Lloc en el rànquing: 4 de 18

Systematic Biology 468

Índex d'impacte 8.225 **1r quartil**

Lloc en el rànquing: 4 de 45

[Amunt](#)

Tecnologia em Metalurgia, Materiais e Mineração 66

Sense Índex d'impacte

# Revistes

Tellus B: Chemical and Physical Meteorology 166  
Índex d'impacte 2.402 **2n quartil**  
Lloc en el rànquing: 29 de 84

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z  
  
Temes de disseny 310  
Sense Índex d'impacte

The Cartographic Journal: The World of Mapping 197  
Índex d'impacte 0.569 **4t quartil**  
Lloc en el rànquing: 63 de 77

Theoretical and Applied Climatology 240  
Índex d'impacte 2.433 **2n quartil**  
Lloc en el rànquing: 28 de 84

Thermochimica acta 125  
Índex d'impacte 1.938 **2n quartil**  
Lloc en el rànquing: 16 de 58

Topics in Catalysis 54  
Índex d'impacte 2.355 **2n quartil**  
Lloc en el rànquing: 20 de 71

Transactions of the American Mathematical Society 65  
Índex d'impacte 1.196 **1r quartil**  
Lloc en el rànquing: 34 de 312

Tribology International 359  
Índex d'impacte 2.259 **1r quartil**  
Lloc en el rànquing: 22 de 132

Tribology Letters 357  
Índex d'impacte 1.758 **1r quartil**  
Lloc en el rànquing: 60 de 135

Tribunal plural: La revista científica 46  
Sense Índex d'impacte

Amunt

Universia Business Review 272  
Índex d'impacte 0.138 **4t quartil**  
Lloc en el rànquing: 110 de 116

Amunt

Vision Computing 271  
Índex d'impacte 1.766 **2n quartil**  
Lloc en el rànquing: 47 de 130

Amunt

# Revistes

a  
b  
c  
d  
e  
f  
g  
h  
i  
j  
k  
l  
m  
n  
o  
p  
q  
r  
s  
t  
u  
v  
w  
x  
y  
z

**W**

Water 85, 86

Índex d'impacte 1.687 **2n quartil**  
Lloc en el rànquing: 33 de 85

Wind Energy 150

Índex d'impacte 2.891 **2n quartil**  
Lloc en el rànquing: 32 de 88

WSEAS transactions on systems 168

Sense Índex d'impacte

Amunt

**Z**

Zentralblatt Math 275, 276, 277, 278, 279

Sense Índex d'impacte

Amunt

# Revistes amb més impacte

En aquest apartat hi ha les revistes que es troben dins les 5 primeres del seu grup, i de cada revista, s'indica els articles que han estat publicats per investigadors de l'ETSEIB.

## Acta biomaterialia (Lloc en el rànquing: 2 de 33)

- E. Camposilvan, F. G. Marro, A. Mestra, and M. Anglada, “[Enhanced reliability of yttria-stabilized zirconia for dental applications](#),” *Acta Biomater.*, vol. 17, pp. 36–46, 2015
- A. Kovtun, M. goeckelmann, E. Montufar, M. P. Ginebra, J. Planell, M. Santin, and A. Ignatius, “[In vivo performance of novel soybean/gelatin-based bioactive and injectable hydroxyapatite foams](#),” *Acta Biomater.*, vol. 12, pp. 242–249, 2015
- R. Levato, J. Planell, M. Mateos, and E. Engel, “[Role of ECM/peptide coatings on SDF-1α triggered mesenchymal stromal cell migration from microcarriers for cell therapy](#),” *Acta Biomater.*, vol. 18, pp. 59–67, 2015.
- D. Pastorino, C. Canal, and M. P. Ginebra, “[Multiple characterization study on porosity and pore structure of calcium phosphate cements](#),” *Acta Biomater.*, vol. 28, pp. 205–214, 2016
- D. Pastorino, C. Canal, and M. P. Ginebra, “[Multiple characterization study on porosity and pore structure of calcium phosphate cements](#),” *Acta Biomater.*, vol. 28, pp. 205–214, 2016

## Acta materialia (Lloc en el rànquing: 2 de 73)

- J. Alcala, J. Ocenásek, K. Nowag, D. Esque, R. Ghisleni, and J. Michler, “[Strain hardening and dislocation avalanches in micrometer-sized dimensions](#),” *Acta Mater.*, vol. 91, pp. 255–266, 2015.
- E. Stern, A. Planes, P. Lloveras, J. L. Tamarit, M. Del Barrio, S. Pramanick, S. Majumdar, S. Yuce, B. Emre, C. Frontera, and L. Mañosa Carrera, “[Tailoring barocaloric and magnetocaloric properties in low-hysteresis magnetic shape memory alloys](#),” *Acta Mater.*, vol. 96, pp. 324–332, 2015
- K. Yalamanchili, I. Schramm, E. Jimenez-Pique, L. Rogstrom, F. Muecklich, M. Oden, and N. Ghafoor, “[Tuning hardness and fracture resistance of ZrN/Zr0.63Al0.37N nanoscale multilayers by stress-induced transformation toughening](#),” *Acta Mater.*, vol. 89, pp. 22–31, 2015

## Advanced healthcare materials (Lloc en el rànquing: 4 de 76)

- P. Rocas, M. Hoyos, J. Rocas, J. Manero, F. J. Gil, F. Albericio, and C. Mas-Moruno, “[Installing multifunctionality on titanium with RGD-decorated polyurethane-polyurea roxithromycin loaded nanoparticles: toward new osseointegrative therapies](#),” *Adv. Healthc. Mater.*, vol. 4, no. 13, pp. 1–5, 2016

# Revistes amb més impacte

## Agricultural and forest meteorology (Lloc en el rànquing: 2 de 83)

E. Gil, M. Gallart, P. Balsari, P. Marucco, M. P. Almajano, and J. Llop, “[Influence of wind velocity and wind direction on measurements of spray drift potential of boom sprayers using drift test bench](#),” *Agric. For. Meteorol.*, vol. 202, pp. 94–101, 2015.

## Automatica (Lloc en el rànquing: 4 de 59)

D. Rotondo, F. Nejjari, and V. Puig, “[Dilated LMI characterization for the robust finite time control of discrete-time uncertain linear systems](#),” *Automatica*, no. 63, pp. 16–20, 2015.

## Biomaterials (Lloc en el rànquing: 2 de 76)

C. Labay, J. M. Canal, M. Modic, U. Cvelbar, M. T. Quiles, M. Armengol, M. A. Arbós, F. J. Gil, and C. Canal, “[Antibiotic-loaded polypropylene surgical meshes with suitable biological behavior by plasma functionalization and polymerization](#),” *Biomaterials*, vol. 71, pp. 132–144, 2015.

A. Sanchez, Á. Mata, M. Mateos, J. C. Rodriguez-Cabello, M. Alonso, J. Planell, and E. Engel, “[Development of tailored and self-mineralizing citric acid-crosslinked hydrogels for in situ bone regeneration](#),” *Biomaterials*, vol. 68, pp. 42–53, 2015.

## Catalysis today (Lloc en el rànquing: 4 de 71)

M. Casanova, J. Llorca, K. Schermanz, A. Trovarelli, and A. Sagar, “[Mixed iron-erbium vanadate NH<sub>3</sub>-SCR catalysts](#),” *Catal. today*, vol. 241, pp. 159–168, 2015.

L. Castoldi, E. Aneggi, R. Matarrese, R. Bonzi, J. Llorca, A. Trovarelli, and L. Lietti, “[Silver-based catalytic materials for the simultaneous removal of soot and NO<sub>x</sub>](#),” *Catal. today*, vol. 258, no. Part 2, pp. 405–415, 2015

S. Colussi, M. Boaro, L. De Rogatis, A. Pappacena, C. de Leitenburg, J. Llorca, and A. Trovarelli, “[Room temperature oxidation of formaldehyde on Pt-based catalysts: A comparison between ceria and other supports \(TiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub> and ZrO<sub>2</sub>\)](#),” *Catal. today*, vol. 253, pp. 163–171, 2015.

A. Hedayati, O. Le Corre, B. Lacarriere, and J. Llorca, “[Experimental and exergy evaluation of ethanol catalytic steam reforming in a membrane reactor](#),” *Catal. today*, 2015.

N. J. Divins, A. Casanovas, W. Xu, S. Senanayake, D. Wiater, A. Trovarelli, and J. Llorca, “[The influence of nano-architected CeO<sub>2</sub> supports in RhPd/CeO<sub>2</sub> for the catalytic ethanol steam reforming reaction](#),” *Catal. today*, vol. 253, pp. 99–105, 2015.

# Revistes amb més impacte

## Ceramics international (Lloc en el rànquing: 3 de 27)

- F. Baino, J. Minguella-Canela, N. Kirk, M. Montealegre, C. Fiaschi, F. Korkusuz, G. Orlygsson, and C. Vitale-Brovarone, “[Novel full-ceramic monoblock acetabular cup with a bioactive trabecular coating: Design, fabrication and characterization](#),” *Ceram. Int.*, vol. 42, no. 6, pp. 6833–6845, 2015.
- L. Melk, M. Antti, and M. Anglada, “[Material removal mechanisms by EDM of zirconia reinforced MWCNT nanocomposites](#),” *Ceram. Int.*, vol. 42, pp. 5792–5801, 2015.
- L. Melk, J. J. Roa, F. G. Marro, M. Antti, B. Milsom, M. Reece, and M. Anglada, “[Nanoindentation and fracture toughness of nanostructured zirconia/multi-walled carbon nanotube composites](#),” *Ceram. Int.*, vol. 41, no. 2, pp. 2453–2461, 2015.
- M. Turón Viñas, J. J. Roa, F. G. Marro, and M. Anglada, “[Mechanical properties of 12Ce-ZrO<sub>2</sub>/3Y-ZrO<sub>2</sub> composites](#),” *Ceram. Int.*, vol. 41, no. 10, pp. 14988–14997, 2015.

## Chemical engineering journal (Lloc en el rànquing: 4 de 50)

- D. Guaya, C. Valderrama, A. Farran, C. Armijos, and J. Cortina, “[Simultaneous phosphate and ammonium removal from aqueous solution by a hydrated aluminum oxide modified natural zeolite](#),” *Chem. Eng. J.*, vol. 271, pp. 204–213, 2015.
- M. Hermassi, C. Valderrama, J. Dosta, J. Cortina, and N. Batis, “[Evaluation of hydroxyapatite crystallization in a batch reactor for the valorization of alkaline phosphate concentrates from wastewater treatment plants using calcium chloride](#),” *Chem. Eng. J.*, vol. 267, pp. 142–152, 2015.
- O. Osegueda, A. Dafinov, F. Medina Cabello, J. Llorca, and J. E. Sueiras, “[Heterogeneous catalytic oxidation of phenol by in situ generated hydrogen peroxide applying novel catalytic membrane reactors](#),” *Chem. Eng. J.*, vol. 262, pp. 344–355, 2015.
- E. Perez, M. Cinta, M. Aguilo, J. Llorca, Y. Cesteros, F. Diaz, J. Pallarès, L. Marsal, and P. Salagre, “[Influence of acid-base properties of calcined MgAl and CaAl layered double hydroxides on the catalytic glycerol etherification to short-chain polyglycerols](#),” *Chem. Eng. J.*, vol. 264, pp. 547–556, 2015.

## Communications in nonlinear science and numerical simulation (Lloc en el rànquing: 5 de 254)

- E. Barrabés, J. Cors, and M. Olle, “[Dynamics of the parabolic restricted three-body problem](#),” *Commun. nonlinear Sci. Numer. Simul.*, vol. 29, no. 1–3, pp. 400–415, 2015.
- O. Lordan, J. Sallan, P. Simo, and D. Gonzalez-Prieto, “[Robustness of airline alliance route networks](#),” *Commun. nonlinear Sci. Numer. Simul.*, vol. 22, no. 1–3, pp. 587–595, 2015.

## Dental materials (Lloc en el rànquing: 5 de 89)

- A. O. Rueda, M. Anglada, and E. Jimenez-Pique, “[Contact fatigue of veneer feldspathic porcelain on dental zirconia](#),” *Dent. Mater.*, vol. 31, no. 3, pp. 217–224, 2015.

# Revistes amb més impacte

## [Energy](#) (Lloc en el rànquing: 3 de 58)

M. Ranaboldo, A. García-Villoria, L. Ferrer-Martí, and R. Pastor, “[A meta-heuristic method to design off-grid community electrification projects with renewable energies](#),” *Energy*, vol. 93, no. Part 2, pp. 2467–2482, 2016.

J. Silvente, A. Aguirre, M. Zamarripa, C. A. Méndez, M. Graells, and A. Espuña, “[Improved time representation model for the simultaneous energy supply and demand management in microgrids](#),” *Energy*, vol. 87, pp. 615–627, 2015.

## [IEEE transactions on industrial electronics](#) (Lloc en el rànquing: 1 de 59)

J. Blesa, P. Jiménez, D. Rotondo, F. Nejjari, and V. Puig, “[An interval NLPV parity equations approach for fault detection and isolation of a wind farm](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3794–3805, 2015.

S. Busquets-Monge, R. Maheshwari, J. Nicolas, E. Lupon, S. Munk, and J. Bordonau, “[Enhanced DC-Link Capacitor Voltage Balancing Control of DC-AC Multilevel Multileg Converters](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 5, pp. 2663–2672, 2015.

A. Calle, S. Alepuz, J. Bordonau, J. Nicolas, P. Cortés, and J. Rodríguez, “[Model predictive current control of grid-connected neutral-point-clamped converters to meet low-voltage ride-through requirements](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 3, pp. 1503–1514, 2015.

J. Rojas, C. Kunusch, C. A. Ocampo-Martinez, and V. Puig, “[Control-oriented thermal modeling methodology for water-cooled PEM fuel-cell-based systems](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 8, pp. 5146–5154, 2015.

D. Rotondo, V. Puig, F. Nejjari, and J. Romera, “[A fault-hiding approach for the switching quasi-LPV fault-tolerant control of a four-wheeled omnidirectional mobile robot](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3932–3944, 2015.

H. Sanchez, T. Escobet, V. Puig, and P. Fogh, “[Fault diagnosis of an advanced wind turbine benchmark using interval-based ARRs and observers](#),” *IEEE Trans. Ind. Electron.*, vol. 62, no. 6, pp. 3783–3793, 2015.

## [Industrial crops and products](#) (Lloc en el rànquing: 2 de 14)

R. S. Peres, E. Armelin, C. Aleman, and C. A. Ferreira, “[Modified tannin extracted from black wattle tree as an environmentally friendly antifouling pigment](#),” *Ind. Crops Prod.*, vol. 65, pp. 506–514, 2015.

F. Segovia, E. Luengo, J. Corral, J. Raso, and M. P. Almajano, “[Improvements in the aqueous extraction of polyphenols from borage \(\*Borago officinalis L.\*\) leaves by pulsed electric fields: Pulsed electric fields \(PEF\) applications](#),” *Ind. Crops Prod.*, vol. 65, pp. 390–396, 2015.

## [International journal of production economics](#) (Lloc en el rànquing: 2 de 44)

J. Bautista, R. Alfaro, and C. Batalla, “[Modeling and solving the mixed-model sequencing problem to improve productivity](#),” *Int. J. Prod. Econ.*, vol. 161, no. March 2015, pp. 83–95, 2015.

# Revistes amb més impacte

## Journal of guidance, control and Dynamics (Lloc en el rànquing: 4 de 30)

Z. Olikara, J. J. Masdemont, and G. Gomez Muntané, “[Dynamic mechanisms for spacecraft disposal from Sun-Earth libration points](#),” *J. Guid. Control Dyn.*, vol. 38, no. 10, pp. 1976–1989, 2015.

## Journal of materials chemistry B (Lloc en el rànquing: 4 de 33)

M. M. Pérez-Madrigal, E. Armelin, J. Puiggali, and C. Aleman, “[Insulating and semiconducting polymeric free-standing nanomembranes with biomedical applications](#),” *J. Mater. Chem. B*, vol. 3, no. 29, pp. 5904–5932, 2015.

## Journal of non-crystalline solids (Lloc en el rànquing: 5 de 27)

A. Krivchikov, G. A. Vdovichenko, O. Korolyuk, F. Bermejo, L. Pardo, J. L. Tamarit, A. Jezowski, and D. Szewczyk, “[Effects of site-occupation disorder on the low-temperature thermal conductivity of molecular crystals](#),” *J. Non. Cryst. Solids*, vol. 407, pp. 141–148, 2015.

L. Pardo, A. Henao, and A. Vispa, “[Characterizing ordering in liquids: An information theoretic approach](#),” *J. Non. Cryst. Solids*, vol. 407, pp. 220–227, 2015.

## Journal of nuclear materials (Lloc en el rànquing: 2 de 32)

A. Espriu-Gascon, J. Llorca, M. Dominguez, F. Gimenez, I. Casas, and J. Pablo, “[UO<sub>2</sub> surface oxidation by mixtures of water vapor and hydrogen as a function of temperature](#),” *J. Nucl. Mater.*, vol. 467, pp. 240–243, 2015.

E. Gonzalez, D. Serrano, R. Sureda, I. Casas, and J. De pablo, “[Dissolution experiments of commercial PWR \(52 MWd/kgU\) and BWR \(53 MWd/kgU\) spent nuclear fuel cladded segments in bicarbonate water under oxidizing conditions. Experimental determination of matrix and instant release fraction](#),” *J. Nucl. Mater.*, vol. 465, pp. 63–70, 2015

## Journal of the European Ceramic Society (Lloc en el rànquing: 1 de 27)

E. Camposilvan and M. Anglada, “[Micropillar compression inside zirconia degraded layer](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 14, pp. 4051–4058, 2015.

N. Cuadrado, J. Seuba, D. Casellas, M. Anglada, and E. Jimenez-Pique, “[Geometry of nanoindentation cube-corner cracks observed by FIB tomography: Implication for fracture resistance estimation](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 10, pp. 2949–2955, 2015.

J. J. Roa, E. Jimenez-Pique, C. Verge, J. Tarrago, A. Mateo, J. Fair, and L. Llanes, “[Intrinsic hardness of constitutive phases in WC-Co composites: Nanoindentation testing, statistical analysis, WC crystal orientation effects and flow stress for the constrained metallic binder](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 13, pp. 3419–3425, 2015.

# Revistes amb més impacte

J. J. Roa, E. Jimenez-Pique, C. Verge, J. Tarrago, A. Mateo, J. Fair, and L. Llanes, “[Intrinsic hardness of constitutive phases in WC-Co composites: Nanoindentation testing, statistical analysis, WC crystal orientation effects and flow stress for the constrained metallic binder](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 13, pp. 3419–3425, 2015.

M. Turón Viñas and M. Anglada, “[Assessment in Si3N4 of a new method for determining the fracture toughness from a surface notch micro-machined by ultra-short pulsed laser ablation](#),” *J. Eur. Ceram. Soc.*, vol. 35, no. 6, pp. 1737–1741, 2015.

## [Landslides](#) (Lloc en el rànquing: 1 de 35)

F. Bregoli, V. De Medina, G. Chevalier, M. Hurlimann, and A. Bateman, “[Debris-flow susceptibility assessment at regional scale: Validation on an alpine environment](#),” *Landslides*, vol. 12, no. 3, pp. 437–454, 2015.

## [Nature Communications](#) (Lloc en el rànquing: 3 de 63)

P. Lloveras, E. Stern, M. Del Barrio, J. L. Tamarit, S. Crossley, W. Li, V. Pomjakushin, A. Planes, L. Mañosa Carrera, N. Mathur, and X. Moya, “[Giant barocaloric effects at low pressure in ferroelectric ammonium sulphate](#),” *Nat. Commun.*, vol. 6, pp. 8801–8806, 2015.

## [Polymer chemistry](#) (Lloc en el rànquing: 4 de 85)

G. Gonzalez, X. Fernandez-Francos, À. Serra, M. Sangermano, and X. Ramis, “[Environmentally-friendly processing of thermosets by two-stage sequential aza-Michael addition and free-radical polymerization of amine-acrylate mixtures](#),” *Polym. Chem.*, vol. 6, no. 39, pp. 6987–6997, 2015

M. M. Pérez-Madrigal, L. Cianga, L. J. del Valle, I. Cianga, and C. Aleman, “[Electroactive and bioactive films of random copolymers containing terthiophene, carboxyl and Schiff base functionalities in the main chain](#),” *Polym. Chem.*, vol. 6, no. 23, pp. 4319–4335, 2015.

M. Planellas, M. M. Pérez-Madrigal, L. J. del Valle, S. Kobauri, R. Katsarava, C. Aleman, and J. Puiggali, “[Microfibres of conducting polythiophene and biodegradable poly\(ester urea\) for scaffolds](#),” *Polym. Chem.*, vol. 6, no. 6, pp. 925–937, 2015.

## [Polymer testing](#) (Lloc en el rànquing: 5 de 33)

F. Carrasco, O. Santana, J. Cailloux, and M. Maspoch, “[Kinetics of the thermal degradation of poly\(lactic acid\) obtained by reactive extrusion: Influence of the addition of montmorillonite nanoparticles](#),” *Polym. Test.*, vol. 48, pp. 69–81, 2015.

## [Reliability engineering & System safety](#) (Lloc en el rànquing: 3 de 44)

B. Hemmatian, E. Planas, and J. Casal, “[Fire as a primary event of accident domino sequences: The case of BLEVE](#),” *Reliab. Eng. Syst. Saf.*, vol. 139, pp. 141–148, 2015.

# Revistes amb més impacte

## [Renewable & Sustainable energy reviews](#) (Lloc en el rànquing: 3 de 29)

N. de Arespacochaga, C. Valderrama, J. Raich-Montiu, M. Crest, S. Mehta, and J. Cortina, “[Understanding the effects of the origin, occurrence, monitoring, control, fate and removal of siloxanes on the energetic valorization of sewage biogas - A review](#),” *Renew. Sustain. energy Rev.*, vol. 52, pp. 366–381, 2015.

B. Domenech, L. Ferrer-Martí, and R. Pastor, “[Hierarchical methodology to optimize the design of stand-alone electrification systems for rural communities considering technical and social criteria](#),” *Renew. Sustain. energy Rev.*, vol. 51, pp. 182–196, 2015.

B. Domenech, L. Ferrer-Martí, and R. Pastor, “[Hierarchical methodology to optimize the design of stand-alone electrification systems for rural communities considering technical and social criteria](#),” *Renew. Sustain. energy Rev.*, vol. 51, pp. 182–196, 2015.

## [Surface Coatings Technology](#) (Lloc en el rànquing: 4 de 18)

I. Santana, A. Pepe, E. Jimenez-Pique, S. Pellice, I. Milosev, and S. Ceré, “[Corrosion protection of carbon steel by silica-based hybrid coatings containing cerium salts: Effect of silica nanoparticle content](#),” *Surf. coatings Technol.*, vol. 265, pp. 106–116, 2015.

J. Yang, J. J. Roa, M. Oden, M. Johansson, J. Esteve, and L. Llanes, “[Substrate surface finish effects on scratch resistance and failure mechanisms of TiN-coated hardmetals](#),” *Surf. coatings Technol.*, vol. 265, pp. 174–184, 2015.

J. Yang, F. G. Marro, T. Trifonov, M. Oden, M. Johansson, and L. Llanes, “[Contact damage resistance of TiN-coated hardmetals: Beneficial effects associated with substrate grinding](#),” *Surf. coatings Technol.*, vol. 275, pp. 133–141, 2015.

## [Systematic biology](#) (Lloc en el rànquing: 4 de 45)

M. Woodhams, J. Fernández-Sánchez, and J. Sumner, “[A new hierarchy of phylogenetic models consistent with heterogeneous substitution rates](#),” *Syst. Biol.*, vol. 64, no. 4, pp. 638–650, 2015.