

articles publicats

per investigadors

de l'ETSEIB indexats

al Journal Citation

Reports

2012

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Introducció

Aquest informe recull els 294 treballs publicats per 220 investigadors de l'Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB) en revistes indexades al Journal Citation Reports durant l'any 2012.

Journal Citation Reports és una base de dades, elaborada per l'Institute of Scientific Information, que ofereix un mitjà objectiu i sistemàtic per a avaluar de manera crítica les publicacions capdavanteres mundials. Disponible en edició de ciències i edició de ciències socials, JCR Web cobreix més de 7.000 de les publicacions revisades per coetanis més citades del món d'aproximadament 200 disciplines. És una eina essencial per a bibliotecaris, editors, autors, professors i estudiants, analistes de la informació i altres persones que necessitin conèixer l'impacte i la influència d'una publicació sobre la comunitat investigadora global.

Aquest recurs recull els articles d'investigadors de l'Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB) de la UPC que compleixin les condicions següents:

- Hagin estat incorporats a la base de dades Web of Science (ISI) durant l'any 2012
- Els autors signin com a investigadors de l'ETSEIB de la UPC [1]
- Pertanyin a alguna revista indexada al JCR (Journal Citation Reports)

Els resultats obtinguts han estat tractats amb un gestor de referències (RefWorks) per a la presentació de la bibliografia.

Els diferents apartats presentats en aquest informe s'han generat a partir de l'aplicació de les opcions "Analyze Results" i "Create Citation Report" als resultats obtinguts.

Per a cada autor de l'ETSEIB s'ha afegit un enllaç a la fitxa de l'investigador al Portal de la Producció Científica de la UPC. Per a cada article s'ha afegit, sempre que ha estat possible, un enllaç directe a l'article.

La manca d'algun article en aquest recull pot estar causada per alguna d'aquestes causes:

- Articles de finals d'any que no han estat incorporats a la base de dades fins l'any 2013
- Articles en què no apareix la menció de l'ETSEIB a la signatura dels autors
- Errades en la indexació a la base de dades

En cas de detectar alguna errada o mancança us podeu posar en contacte amb biblioteca.etsuib@upc.edu.

[1] La cerca efectuada és la següent:

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(OG=("Tech Univ Catalonia" OR UPC OR "Univ Politecn Catalun*" OR "UNIV POLITECN BARCELONA" OR "POLYTECH UNIV CATALONIA" OR "ESCUELA TECN SUPER INGN IND" OR "ESCOLA TECN SUPER ENGN IND" OR "POLYTECHN UNIV CATALONIA" OR "UNIV POLITECN" OR "UNIV POLITECH BARCELONA" OR "CATALONIAN POLITECH UNIV" OR "Tech Univ Catalonia" OR "Tech Univ Catalonia" OR "Univ Politecn Catalunya" OR "UPC" OR "UNIV POLITECN CATALUNA" OR "UNIV POLITECN BARCELONA" OR "POLYTECH UNIV CATALONIA" OR "ESCUELA TECN SUPER INGN IND" OR "ESCOLA TECN SUPER ENGN IND" OR "POLYTECHN UNIV CATALONIA" OR "UNIV POLITECH BARCELONA" OR "UNIV POLITECN" OR "CATALONIAN POLITECH UNIV" OR "Univ Politecn Cataluna") OR OG= ("INTE" OR "Inst Tecn Energ" OR "IOC" OR "Institute of Industrial and Control Engineering" OR "ESAI") AND AD=("etsuib" OR "ETSEIB" OR "diagonal" OR "DIAGONAL" OR "08028" OR "INTE" OR "IOC")) AND Document Types=(Article)
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Aquest apartat recull els 294 articles publicats per investigadors de l'ETSEIB a les revistes indexades al Journal Citation Reports durant l'any 2012.

1. Abt, T., Sanchez-Soto, M., & Martinez de Ilarduya, A. 2012. [Toughening of in situ polymerized cyclic butylene terephthalate by chain extension with a bifunctional epoxy resin](#). *European Polymer Journal*, 48(1): 163-171. **Índex d'impacte: 2.739, 1r quartil**
2. Aghezzaf, E., Zhong, Y., Raa, B., & Mateo, M. 2012. [Analysis of the single-vehicle cyclic inventory routing problem](#). *International Journal of Systems Science*, 43(11): 2040-2049. **Índex d'impacte: 0.991, 2n quartil**
3. Aguares, M., & de Haro, J. 2012. [Derivation of the maximum voltage drop in power grids of integrated circuits with an array bonding package](#). *European Journal of Applied Mathematics*, 23: 797-819. **Índex d'impacte: 1.022, 2n quartil**
4. Aguilar, M., & Rodriguez, R. 2012. [Lecturer and student perceptions on CLIL at a spanish university](#). *International Journal of Bilingual Education and Bilingualism*, 15(2): 183-197. **Índex d'impacte: 0.809, 2n quartil**
5. Aguirre, A., Gonzalez, A., Navarro, M., Castano, O., Planell, J. A., & Engel, E. 2012. [Control of microenvironmental cues with a smart biomaterial composite promotes endothelial progenitor cell angiogenesis](#). *European Cells & Materials*, 24: 90-106. **Índex d'impacte: 3.028 2n quartil**
6. Albertini, M., Herrero-Climent, M., Lazaro, P., Rios, J. V., & Gil, F. J. 2012. [Comparative study on AISI 440 and AISI 420B stainless steel for dental drill performance](#). *Materials Letters*, 79: 163-165. **Índex d'impacte: 2.307, 1r quartil**
7. Alcala, J., Dalmau, R., Franke, O., Biener, M., Biener, J., & Hodge, A. 2012. [Planar defect nucleation and annihilation mechanisms in nanocontact plasticity of metal surfaces](#). *Physical Review Letters*, 109(7): 075502. **Índex d'impacte: 7.370, 1r quartil**
8. Aleman, C., Bertran, O., Houk, K. N., Padias, A. B., & Hall, H. K., Jr. 2012. [Thermodynamic and stereochemical aspects of the polymerizability of glycolide and lactide](#). *Theoretical Chemistry Accounts*, 131(3): 1133. **Índex d'impacte: 2.162, 2n quartil**
9. Allison, C. M., Hohorst, J. K., Allison, B. S., Konjarek, D., Bajs, T., Pericas, R., Reventos, F., & Lopez, R. 2012. [Preliminary assessment of the possible BWR Core/Vessel damage states for fukushima daiichi station blackout scenarios using RELAP/SCDAPSIM](#). *Science and Technology of Nuclear Installations*: 646327. **Índex d'impacte: 0.562, 3r quartil**
10. Almajano, M. P., Vila, I., & Gines, S. 2011. [Neuroprotective effects of white tea against oxidative stress-induced toxicity in striatal cells](#). *Neurotoxicity Research*, 20(4): 372-378. **Índex d'impacte: 3.514, 2n quartil**
11. Aloia Games, L., Gomez Sanchez, A., Jimenez-Pique, E., Schreiner, W. H., Cere, S. M., & Ballarre, J. 2012. [Chemical and mechanical properties of anodized cp-titanium in NH4 H2PO4/NH4F media for biomedical applications](#). *Surface & Coatings Technology*, 206(23): 4791-4798. **Índex d'impacte: 1.867, 2n quartil**
12. Alonso, J., Romero, F., Pamies-Vila, R., Luginis, U., & Font-Llagunes, J. M. 2012. [A simple approach to estimate muscle forces and orthosis actuation in powered assisted walking of spinal cord-injured subjects](#). *Multibody System Dynamics*, 28(1-2): 109-124. **Índex d'impacte: 1.321, 2n quartil**
13. Alvarez Montaner, J., Boix, A. F., & Zarzuela, S. 2012. [Frobenius and cartier algebras of stanley-reisner rings](#). *Journal of Algebra*, 358: 162-177. **Índex d'impacte: 0.613, 4rt quartil**

14. Ambrosio, L., Guarino, V., Sanginario, V., Torricelli, P., Fini, M., Ginebra, M. P., Planell, J. A., & Giardino, R. 2012. [Injectable calcium-phosphate-based composites for skeletal bone treatments](#). *Biomedical Materials*, 7(2): 024113. **Índex d'impacte: 2.158, 2n quartil**
15. Amoros, J., Manjarin, M., & Nicolau, M. 2012. [Deformations of kahler manifolds with nonvanishing holomorphic vector fields](#). *Journal of the European Mathematical Society*, 14(4): 997-1040. **Índex d'impacte: 1.404, 1r quartil**
16. Aparicio, C., Padros, A., & Gil, F. 2011. [In vivo evaluation of micro-rough and bioactive titanium dental implants using histometry and pull-out tests](#). *Journal of the Mechanical Behavior of Biomedical Materials*, 4(8): 1672-1682. **Índex d'impacte: 2.158, 2n quartil**
17. Aradilla, D., Azambuja, D., Estrany, F., Casas, M. T., Ferreira, C. A., & Aleman, C. 2012. [Hybrid polythiophene-clay exfoliated nanocomposites for ultracapacitor devices](#). *Journal of Materials Chemistry*, 22(26): 13110-13122. **Índex d'impacte: 5.968, 1r quartil**
18. Aradilla, D., Casanovas, J., Estrany, F., Iribarren, J. I., & Aleman, C. 2012. [New insights into the characterization of poly\(3-chlorothiophene\) for electrochromic devices](#). *Polymer Chemistry*, 3(2): 436-449. **Índex d'impacte: 5.321, 1r quartil**
19. Aradilla, D., Estrany, F., Armelin, E., & Aleman, C. 2012. [Ultraporous poly\(3,4-ethylenedioxythiophene\) for nanometric electrochemical supercapacitor](#). *Thin Solid Films*, 520(13): 4402-4409. **Índex d'impacte: 1.890, 2n quartil**
20. Araquees-Penalba, M., Egea-Alvarez, A., Gomis-Bellmunt, O., & Sumper, A. 2012. [Optimum voltage control for loss minimization in HVDC multi-terminal transmission systems for large offshore wind farms](#). *Electric Power Systems Research*, 89: 54-63. **Índex d'impacte: 1.478, 2n quartil**
21. Aristizabal, A., Contreras, S., Divins, N. J., Llorca, J., & Medina, F. 2012. [Pt-Ag/activated carbon catalysts for water denitration in a continuous reactor: Incidence of the metal loading, Pt/Ag atomic ratio and pt metal precursor](#). *Applied Catalysis B-Environmental*, 127: 351-362. **Índex d'impacte: 5.625, 1r quartil**
22. Armelin, E., Gomes, A. L., Perez-Madrigal, M. M., Puiggali, J., Franco, L., del Valle, L. J., Rodriguez-Galan, A., Campos, J. S. d. C., Ferrer-Anglada, N., & Aleman, C. 2012. [Biodegradable free-standing nanomembranes of conducting polymer:Polyester blends as bioactive platforms for tissue engineering](#). *Journal of Materials Chemistry*, 22(2): 585-594. **Índex d'impacte: 5.968, 1r quartil**
23. Arumi, D., Rodriguez-Montanes, R., Figueras, J., Eichenberger, S., Hora, C., & Kruseman, B. 2011. [Diagnosis of interconnect full open defects in the presence of fan-out](#). *Ieee Transactions on Computer-Aided Design of Integrated Circuits and Systems*, 30(12): 1911-1922. **Índex d'impacte: 1.271, 2n quartil**
24. Asensio-Cuesta, S., Diego-Mas, J. A., Cremades-Oliver, L. V., & Gonzalez-Cruz, M. C. 2012. [A method to design job rotation schedules to prevent work-related musculoskeletal disorders in repetitive work](#). *International Journal of Production Research*, 50(24): 7467-7478. **Índex d'impacte: 1.115, 2n quartil**
25. Averbakh, I., & Pereira, J. 2012. [The flowtime network construction problem](#). *Iie Transactions*, 44(8): 681-694. **Índex d'impacte: 0.856, 3r quartil**
26. Avinyo, A., Sola-Morales, J., & Valencia, M. 2012. [A singular initial value problem to construct density-equalizing maps](#). *Journal of Dynamics and Differential Equations*, 24(1): 51-59. *Journal of Dynamics and Differential Equations* **Índex d'impacte: 0.733, 2n quartil**
27. Bacardit, A., Shendryk, A., Morera, J. M., Bou, J., & Olle, L. 2012. [Determination of penetration and fixation curves of leather using humic derivatives](#). *Journal of the Society of Leather Technologists and Chemists*, 96(3): 114-118. **Índex d'impacte: 0.436, 3r quartil**

28. Baeza, A., Corbacho, J. A., Rodriguez, A., Galvan, J., Garcia-Tenorio, R., Manjon, G., Mantero, J., Vioque, I., Arnold, D., Grossi, C., Serrano, I., Valles, I., & Vargas, A. 2012. [Influence of the fukushima dai-ichi nuclear accident on spanish environmental radioactivity levels.](#) *Journal of environmental radioactivity*, 114: 138-145. **Índex d'impacte: 1.339, 3r quartil**
29. Baldoma, I., & Martin, P. 2012. [The inner equation for generalized standard maps.](#) *Siam Journal on Applied Dynamical Systems*, 11(3): 1062-1097. **Índex d'impacte: 1.327, 1r quartil**
30. Barja, M. A., Lahoz, M., Naranjo, J. C., & Pareschi, G. 2012. [On the bicanonical map of irregular varieties.](#) *Journal of Algebraic Geometry*, 21(3): 445-471. **Índex d'impacte: 0.932, 1r quartil**
31. Baronchelli, A., Chater, N., Pastor-Satorras, R., & Christiansen, M. H. 2012. [The biological origin of linguistic diversity.](#) *Plos One*, 7(10): e48029. **Índex d'impacte: 4.092, 1r quartil**
32. Barrabes, E., Olle, M., Borondo, F., Farrelly, D., & Mondelo, J. M. 2012. [Phase space structure of the hydrogen atom in a circularly polarized microwave field.](#) *Physica D-Nonlinear Phenomena*, 241(4): 333-349. **Índex d'impacte: 1.594, 1r quartil**
33. Barrabes, N., Frare, A., Foettinger, K., Urakawa, A., Llorca, J., Rupprechter, G., & Tichit, D. 2012. [Pt-cu bimetallic catalysts obtained from layered double hydroxides by an anion-exchange route.](#) *Applied Clay Science*, 69: 1-10. **Índex d'impacte: 2.474, 2n quartil**
34. Bautista, J., Cano, A., & Alfaro, R. 2012. [Modeling and solving a variant of the mixed-model sequencing problem with work overload minimisation and regularity constraints. an application in nissan's barcelona plant.](#) *Expert Systems with Applications*, 39(12): 11001-11010. **Índex d'impacte: 2.203, 1r quartil**
35. Bautista, J., Cano, A., Companys, R., & Ribas, I. 2012. [Solving the fm vertical bar block vertical bar C-max problem using bounded dynamic programming.](#) *Engineering Applications of Artificial Intelligence*, 25(6): 1235-1245. **Índex d'impacte: 1.665, 1r quartil**
36. Belloni, F., Calviani, M., Colonna, N., Mastinu, P., Milazzo, P. M., Abbondanno, U., Aerts, G., Alvarez, H., Alvarez-Velarde, F., Andriamonje, S., Andrzejewski, J., Audouin, L., Badurek, G., Barbagallo, M., Baumann, P., Becvar, F., Berthoumieux, E., Calviño, F., Cano-Ott, D., Capote, R., Carrapico, C., Cennini, P., Chepel, V., Chiaveri, E., Cortes, G., Couture, A., Cox, J., Dahlfors, M., David, S., Dillmann, I., Domingo-Pardo, C., Dridi, W., Duran, I., Eleftheriadis, C., Embid-Segura, M., Ferrari, A., Ferreira-Marques, R., Fujii, K., Furman, W., Goncalves, I., Gonzalez-Romero, E., Goverdovski, A., Gramegna, F., Guerrero, C., Gensing, F., Haas, B., Haight, R., Heil, M., Herrera-Martinez, A., Igashira, M., Jericha, E., Kaeppler, F., Kadi, Y., Karadimos, D., Karamanis, D., Kerveno, M., Koehler, P., Kossionides, E., Krticka, M., Lamboudis, C., Leeb, H., Lindote, A., Lopes, I., Lozano, M., Lukic, S., Marganec, J., Marrone, S., Martinez, T., Massimi, C., Meaze, M. H., Mengoni, A., Moreau, C., Mosconi, M., Neves, F., Oberhummer, H., O'Brien, S., Pancin, J., Papachristodoulou, C., Papadopoulos, C., Paradela, C., Patronis, N., Pavlik, A., Pavlopoulos, P., Perrot, L., Pigni, M. T., Plag, R., Plompen, A., Plukis, A., Poch, A., Praena, J., Pretel, C., Quesada, J., Rauscher, T., Reifarth, R., Rosetti, M., Rubbia, C., Rudolf, G., Rullhusen, P., Salgado, J., Santos, C., Sarchiapone, L., Savvidis, I., Stephan, C., Tagliente, G., Tain, J. L., Tarrío, D., Tassan-Got, L., Tavora, L., Terlizzi, R., Vannini, G., Vaz, P., Ventura, A., Villamarin, D., Vincente, M. C., Vlachoudis, V., Vlastou, R., Voss, F., Walter, S., Wiescher, M., & Wisshak, K. 2011. [Measurement of the neutron-induced fission cross-section of am-243 relative to U-235 from 0.5 to 20 MeV.](#) *European Physical Journal a*, 47(12): 160. **Índex d'impacte: 2.190, 1r quartil**

37. Belloni, F., Milazzo, P. M., Calviani, M., Colonna, N., Mastinu, P., Abbondanno, U., Aerts, G., Alvarez, H., Alvarez-Velarde, F., Andriamonje, S., Andrzejewski, J., Assimakopoulos, P., Audouin, L., Badurek, G., Barbagallo, M., Baumann, P., Becvar, F., Berthoumieux, E., Calviño, F., Cerutti, F., Cano-Ott, D., Capote, R., Carrapico, C., de Albornoz, A. C., Cennini, P., Chepel, V., Chiaveri, E., Cortes, G., Couture, A., Cox, J., Dahlfors, M., David, S., Dillmann, I., Dolfini, R., Domingo-Pardo, C., Dridi, W., Duran, I., Eleftheriadis, C., Embid-Segura, M., Ferrant, L., Ferrari, A., Ferreira-Marques, R., Fitzpatrick, L., Fraiss-Koelbl, H., Fujii, K., Furman, W., Goncalves, I., Gonzalez-Romero, E., Goverdovski, A., Gramegna, F., Griesmayer, E., Guerrero, C., Gusing, F., Haas, B., Haight, R., Heil, M., Herrera-Martinez, A., Igashira, M., Isaev, S., Jericha, E., Kaeppler, F., Kadi, Y., Karadimos, D., Karamanis, D., Ketlerov, V., Kerveno, M., Koehler, P., Kononov, V., Kossionides, E., Krlicka, M., Lampoudis, C., Lederer, C., Leeb, H., Lindote, A., Lopes, I., Lozano, M., Lukic, S., Marganec, J., Marques, L., Marrone, S., Martinez, T., Massimi, C., Meaze, M. H., Mengoni, A., Moreau, C., Mosconi, M., Neves, F., Oberhammer, H., O'Brien, S., Oshima, M., Pancin, J., Papachristodoulou, C., Papadopoulos, C., Paradel, C., Patronis, N., Pavlik, A., Pavlopoulos, P., Perrot, L., Pigni, M. T., Plag, R., Plompen, A., Plukis, A., Poch, A., Praena, J., Pretel, C., Quesada, J., Rauscher, T., Reifarh, R., Rosetti, M., Rubbia, C., Rudolf, G., Rullhusen, P., Salgado, J., Santos, C., Sarchiapone, L., Savvidis, I., Stephan, C., Tagliente, G., Tain, J. L., Tassan-Got, L., Tavora, L., Terlizzi, R., Vannini, G., Vaz, P., Ventura, A., Villamarin, D., Vincente, M. C., Vlachoudis, V., Vlastou, R., Voss, F., Wallner, A., Walter, S., Wendler, H., Wiescher, M., Wisshak, K., & N TOF Collaboration. 2012. [Neutron-induced fission cross section measurement of U-233, am-241 and am-243 in the energy range 0.5 MeV <= E-n <= 20 MeV at n_TOF at CERN](#). *Physica Scripta*, T150: 014005. **Índex d'impacte: 1.204, 2n quartil**
38. Beltran, M., Ramos, M., Jose Rovira, J., Perez-Hoyos, S., Sancho, M., Puertas, E., Benavente, S., Ginjaume, M., & Giralt, J. 2012. [Dose variations in tumor volumes and organs at risk during IMRT for head-and-neck cancer](#). *Journal of Applied Clinical Medical Physics*, 13(6): 101-111. **Índex d'impacte: 1.291, 3r quartil**
39. Benedito-Benet, E., & Rua-Costa, C. 2012. [Co2 emissions from maritime transport of a product a methodological proposal of assessment](#). *Dyna*, 87(5): 533-539. **Índex d'impacte: 0.171, 4rt quartil**
40. Bernat, X., Prats, G., Lefevre, B., Gibert, O., & Tobella, J. 2011. [Membrane fouling characterization and cleaning adaptation in wastewater reclamation plants: From plant to lab](#). *Desalination and Water Treatment*, 34(1-3): 361-366. **Índex d'impacte: 0.614, 3rt quartil**
41. Bonada, J., Casafont, M., Roure, F., & Pastor, M. M. 2012. [Selection of the initial geometrical imperfection in nonlinear FE analysis of cold-formed steel rack columns](#). *Thin-Walled Structures*, 51: 99-111. **Índex d'impacte: 1.252, 1r quartil**
42. Bordy, J. M., Dures, J., Denoziere, M., Gualdrini, G., Ginjaume, M., Carinou, E., & Vanhavere, F. 2011. [Proposals for the type tests criteria and calibration conditions of passive eye lens dosimeters to be used in interventional cardiology and radiology workplaces](#). *Radiation Measurements*, 46(11): 1235-1238. **Índex d'impacte: 1.177, 2r quartil**
43. Botero, C. A., Jimenez-Pique, E., Baudin, C., Salan, N., & Llanes, L. 2012. [Nanoindentation of Al2O3/Al2TiO5 composites: Small-scale mechanical properties of Al2TiO5 as reinforcement phase](#). *Journal of the European Ceramic Society*, 32(14): 3723-3731. **Índex d'impacte: 2.353, 1r quartil**
44. Botero, C. A., Jimenez-Pique, E., Seuba, J., Kulkarni, T., Sarin, V. K., & Llanes, L. 2012. [Mechanical behavior of 3Al\(2\)O\(3\)center dot 2SiO\(2\) films under nanoindentation](#). *Acta Materialia*, 60(16): 5889-5899. **Índex d'impacte: 3.755, 1r quartil**
45. Brualla, L., Mayorga, P. A., Fluehs, A., Lallena, A. M., Sempau, J., & Sauerwein, W. 2012. [Retinoblastoma external beam photon irradiation with a special 'D'-shaped collimator: A comparison between measurements, monte carlo simulation and a treatment planning system calculation](#). *Physics in Medicine and Biology*, 57(22): 7741-7751. **Índex d'impacte: 2.829, 1r quartil**

46. Brualla, L., Zaragoza, F. J., Sempau, J., Wittig, A., & Sauerwein, W. 2012. [Electron irradiation of conjunctival lymphoma- monte carlo simulation of the minute dose distribution and technique optimization](#). *International Journal of Radiation Oncology Biology Physics*, 83(4): 1330-1337. **Índex d'impacte: 4.105, 1r quartil**
47. Buj-Corral, I., Vivancos-Calvet, J., & Dominguez-Fernandez, A. 2012. [Surface topography in ball-end milling processes as a function of feed per tooth and radial depth of cut](#). *International Journal of Machine Tools & Manufacture*, 53(1): 151-159. **Índex d'impacte: 2.169, 1r quartil**
48. Busch, S., Carlos Pardo, L., Smuda, C., & Unruh, T. 2012. [The picosecond dynamics of the phospholipid dimyristoylphosphatidylcholine in mono- and bilayers](#). *Soft Matter*, 8(13): 3576-3585. **Índex d'impacte: 4.390, 1r quartil**
49. Caballero-Lopez, B., Blanco-Moreno, J. M., Perez-Hidalgo, N., Michelena-Saval, J. M., Pujade-Villar, J., Guerrieri, E., Sanchez-Espigares, J. A., & Sans, F. X. 2012. [Weeds, aphids, and specialist parasitoids and predators benefit differently from organic and conventional cropping of winter cereals](#). *Journal of Pest Science*, 85(1): 81-88. **Índex d'impacte: 1.509, 2n quartil**
50. Cabre, X. 2012. [Uniqueness and stability of saddle-shaped solutions to the allen-cahn equation](#). *Journal De Mathematiques Pures Et Appliquees*, 98(3): 239-256. **Índex d'impacte: 1.295, 1r quartil**
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En aquest apartat es pot consultar, de cada Departament i Institut, quins investigadors han publicat en revistes indexades al Journal Citation Reports durant l'any 2012, i de cadascun d'ells, hi ha l'enllaç als articles publicats.

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Índex d'impacte: 2.915 **2n quartil**

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Índex d'impacte: 3.470 **1r quartil**

Lloc en el rànquing: 7 de 71

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Índex d'impacte: 2.076 **1r quartil**

Lloc en el rànquing: 7 de 245

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Chemical Engineering Journal [58](#), [102](#)

Índex d'impacte: 3.461 **1r quartil**

Lloc en el rànquing: 7 de 45

Chemosphere [162](#)

Índex d'impacte: 3.206 **1r quartil**

Lloc en el rànquing: 32 de 205

Colloids and Surfaces A-Physicochemical and Engineering Aspects [277](#)

Índex d'impacte: 2.236 **2n quartil**

Lloc en el rànquing: 61 de 134

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Índex d'impacte: 2.773 **1r quartil**

Lloc en el rànquing: 2 de 55

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Índex d'impacte: 2.386 **1r quartil**

Lloc en el rànquing: 5 de 24

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Índex d'impacte: 0.384 **4rt quartil**

Lloc en el rànquing: 221 de 289

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Índex d'impacte: 1.169 **3r quartil**

Lloc en el rànquing: 54 de 99

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Índex d'impacte: 1.237 **1r quartil**

Lloc en el rànquing: 30 de 104

Computers & Chemical Engineering [164](#), [168](#), [291](#)

Índex d'impacte: 2.320 **1r quartil**

Lloc en el rànquing: 17 de 99

Computers & Fluids [323](#)

Índex d'impacte: 1.467 **2n quartil**

Lloc en el rànquing: 99 de 44

Corrosion Science [85](#)

Índex d'impacte: 3.734 **1r quartil**

Lloc en el rànquing: 34 de 232

Crystal Growth & Design [215](#), [259](#)

Índex d'impacte: 4.720 **1r quartil**

Lloc en el rànquing: 24 de 154

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Desalination and Water Treatment [40](#), [179](#)

Índex d'impacte: 0.614 **3r quartil**

Lloc en el rànquing: 90 de 133

Discrete Applied Mathematics [298](#)

Índex d'impacte: 1.636 **3r quartil**

Lloc en el rànquing: 131 de 247

Dyna [39](#), [78](#)

Índex d'impacte: 0.171 **4rt quartil**

Lloc en el rànquing: 84 de 90

Electric Power Systems Research [20](#)

Índex d'impacte: 1.478 **2n quartil**

Lloc en el rànquing: 82 de 245

Engineering Applications of Artificial Intelligence [35](#), [69](#)

Índex d'impacte: 1.665 **1r quartil**

Lloc en el rànquing: 15 de 58

Engineering Failure Analysis [105](#)

Índex d'impacte: 1.086 **2n quartil**

Lloc en el rànquing: 35 de 122

Environmental Chemistry Letters [197](#)

Índex d'impacte: 1.881 **2n quartil**

Lloc en el rànquing: 55 de 154

European Cells & Materials [5](#)

Índex d'impacte: 3.028 **2n quartil**

Lloc en el rànquing: 126 de 290

European Journal of Applied Mathematics [3](#)

Índex d'impacte: 1.022 **2n quartil**

Lloc en el rànquing: 73 de 245

European Physical Journal a [36](#), [145](#)

Índex d'impacte: 2.190 **1r quartil**

Lloc en el rànquing: 9 de 21

European Polymer Journal [1](#), [98](#), [272](#), [285](#)

Índex d'impacte: 2.739, **1r quartil**

Lloc en el rànquing: 17 de 79

European Transactions on Electrical Power [237](#), [281](#)

Índex d'impacte: 0.577 **3r quartil**

Lloc en el rànquing: 181 de 245

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Expert Systems with Applications [34](#)

Índex d'impacte: 2.203 **1r quartil**

Lloc en el rànquing: 22 de 111

Express Polymer Letters [95](#)

Índex d'impacte: 1.769 **2n quartil**

Lloc en el rànquing: 28 de 79

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Febs Journal [150](#)

Índex d'impacte: 3.790 **2n quartil**

Lloc en el rànquing: 89 de 290

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Índex d'impacte: 3.655 **1r quartil**

Lloc en el rànquing: 3 de 71

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Índex d'impacte: 2.945 **1r quartil**

Lloc en el rànquing: 11 de 71

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Índex d'impacte: 1.490 **1r quartil**

Lloc en el rànquing: 7 de 35

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Índex d'impacte: 2.069 **2n quartil**

Lloc en el rànquing: 24 de 56

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Índex d'impacte: 1.000 **2n quartil**

Lloc en el rànquing: 40 de 104

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Índex d'impacte: 0.884 **3r quartil**

Lloc en el rànquing: 50 de 79

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Índex d'impacte: 2.027 **1r quartil**

Lloc en el rànquing: 5 de 75

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Índex d'impacte: 1.271 **2n quartil**

Lloc en el rànquing: 13 de 50

IEEE Transactions on Control Systems Technology [104](#)

Índex d'impacte: 1.766 **1r quartil**

Lloc en el rànquing: 13 de 58

IEEE Transactions on Power Delivery [325](#)

Índex d'impacte: 1.519 **2n quartil**

Lloc en el rànquing: 83 de 242

IEEE Transactions on Power Systems [319](#)

Índex d'impacte: 2.921 **1r quartil**

Lloc en el rànquing: 22 de 242

Iet Electric Power Applications [324](#)

Índex d'impacte: 1.562 **2n quartil**

Lloc en el rànquing: 82 de 242

IIE Transactions [25](#)

Índex d'impacte: 0.856 **3r quartil**

Lloc en el rànquing: 22 de 43

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Índex d'impacte: 2.237 **1r quartil**

Lloc en el rànquing: 30 de 133

Industrial Management & Data Systems [196](#)

Índex d'impacte: 1.472 **2n quartil**

Lloc en el rànquing: 43 de 99

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Índex d'impacte: 1.892 **2n quartil**

Lloc en el rànquing: 14 de 52

International Journal of Bilingual Education and Bilingualism [4](#)

Índex d'impacte: 0.809 **2n quartil**

Lloc en el rànquing: 87 de 206

International Journal of Hydrogen Energy [268](#)

Índex d'impacte: 4.054 **1r quartil**

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International Journal of Innovative Computing Information and Control [80](#)

Índex d'impacte: sense índex d'impacte

International Journal of Machine Tools & Manufacture [47](#)

Índex d'impacte: 2.169 **1r quartil**

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International Journal of Mathematics [61](#)

Índex d'impacte: 0.397 **4rt quartil**

Lloc en el rànquing: 217 de 289

International Journal of Modern Physics B [99](#)

Índex d'impacte: 0.324 **4rt quartil**

Lloc en el rànquing: 118 de 125

International Journal of Oral & Maxillofacial Implants [156](#)

Índex d'impacte: 1.776 **2n quartil**

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International journal of pharmaceuticals [188](#)

Índex d'impacte: 3.350 **2n quartil**

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International Journal of Precision Engineering and Manufacturing [190](#)

Índex d'impacte: 1.141 **1r quartil**

Lloc en el rànquing: 34 de 122

International Journal of Production Research [24](#), [186](#), [224](#)

Índex d'impacte: 1.115 **2n quartil**

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International Journal of Radiation Oncology Biology Physics [46](#)

Índex d'impacte: 4.105 **1r quartil**

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International Journal of Remote Sensing [163](#)

Índex d'impacte: 1.117 **1r quartil**

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International Journal of Systems Science [2](#)

Índex d'impacte: 0.991, **2n quartil**

Lloc en el rànquing: 33 de 99

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Journal De Mathematiques Pures Et Appliquees [50](#)

Índex d'impacte: 1.295 **1r quartil**

Lloc en el rànquing: 47 de 295

Journal of Algebra [13](#)

Índex d'impacte: 0.613 **4rt quartil**

Lloc en el rànquing: 127 de 140

Journal of Algebraic Geometry [30](#)

Índex d'impacte: 0.932 **1r quartil**

Lloc en el rànquing: 49 de 289

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Journal of Applied Biomaterials & Functional Materials [113](#)
Índex d'impacte: sense índex d'impacte

Journal of Applied Clinical Medical Physics [38](#)
Índex d'impacte: 1.291 **3r quartil**
Lloc en el rànquing: 79 de 116

Journal of Applied Polymer Science [120](#), [206](#)
Índex d'impacte: 1.289 **3r quartil**
Lloc en el rànquing: 40 de 79

Journal of Biomedicine and Biotechnology [193](#)
Índex d'impacte: 2.436 **2n quartil**
Lloc en el rànquing: 65 de 158

Journal of Catalysis [100](#), [289](#)
Índex d'impacte: 6.002 **1r quartil**
Lloc en el rànquing: 17 de 134

Journal of Chemical and Engineering Data [279](#)
Índex d'impacte: 1.693 **2n quartil**
Lloc en el rànquing: 61 de 154

Journal of Chemical Physics [180](#), [257](#), [293](#)
Índex d'impacte: 3.333 **1r quartil**
Lloc en el rànquing: 7 de 33

Journal of Dynamics and Differential Equations [26](#)
Índex d'impacte: 0.733 **2n quartil**
Lloc en el rànquing: 119 de 245

Journal of environmental management [83](#)
Índex d'impacte: 3.245 **1r quartil**
Lloc en el rànquing: 30 de 205

Journal of environmental radioactivity [28](#), [54](#)
Índex d'impacte: 1.339 **3r quartil**
Lloc en el rànquing: 122 de 205

Journal of Geometric Analysis [94](#)
Índex d'impacte: 0.761 **2n quartil**
Lloc en el rànquing: 76 de 289

Journal of Geometry and Physics [116](#)
Índex d'impacte: 0.818 **2n quartil**
Lloc en el rànquing: 100 de 245

Journal of Geophysical Research-Atmospheres [159](#)
Índex d'impacte: sense índex d'impacte

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- Journal of hazardous materials [166, 274](#)
Índex d'impacte: 4.173 **1r quartil**
Lloc en el rànquing: 6 de 45
- Journal of Loss Prevention in the Process Industries [198](#)
Índex d'impacte: 0.913 **3r quartil**
Lloc en el rànquing: 74 de 133
- Journal of Materials Chemistry [16, 22](#)
Índex d'impacte: 5.968 **1r quartil**
Lloc en el rànquing: 18 de 134
- Journal of Materials Science-Materials in Medicine [134, 149](#)
Índex d'impacte: 2.316 **2n quartil**
Lloc en el rànquing: 21 de 72
- Journal of Mathematical Analysis and Applications [305](#)
Índex d'impacte: 1.050 **1r quartil**
Lloc en el rànquing: 34 de 295
- Journal of Molecular Modeling [82](#)
Índex d'impacte: 1.797 **3r quartil**
Lloc en el rànquing: 214 de 290
- Journal of Nuclear Materials [128, 266](#)
Índex d'impacte: 2.052 **1r quartil**
Lloc en el rànquing: 58 de 232
- Journal of Organometallic Chemistry [140](#)
Índex d'impacte: 2.384 **2n quartil**
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- Journal of Pest Science [49](#)
Índex d'impacte: 1.509 **2n quartil**
Lloc en el rànquing: 27 de 86
- Journal of Physical Chemistry A [275](#)
Índex d'impacte: 2.946 **2n quartil**
Lloc en el rànquing: 46 de 134
- Journal of Physical Chemistry B [64, 65, 209](#)
Índex d'impacte: 3.396 **1r quartil**
Lloc en el rànquing: 32 de 134
- Journal of Physics A-Mathematical and Theoretical [112](#)
Índex d'impacte: 1.564 **2n quartil**
Lloc en el rànquing: 24 de 84
- Journal of Physics and Chemistry of Solids [154](#)
Índex d'impacte: 1.632 **2n quartil**
Lloc en el rànquing: 63 de 154

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Journal of Polymer Research [96](#)

Índex d'impacte: 1.733 **2n quartil**

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Journal of Polymer Science Part A-Polymer Chemistry [123](#), [173](#), [220](#)

Índex d'impacte: 3.919 **1r quartil**

Lloc en el rànquing: 8 de 79

Journal of Polymer Science Part B-Polymer Physics [115](#)

Índex d'impacte: 1.531 **2n quartil**

Lloc en el rànquing: 34 de 79

Journal of Research in Medical Sciences [309](#)

Índex d'impacte: 0.684 **3r quartil**

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Journal of Science Education and Technology [320](#)

Índex d'impacte: 0.940 **3r quartil**

Lloc en el rànquing: 18 de 34

Journal of the European Ceramic Society [43](#), [158](#), [191](#), [211](#)

Índex d'impacte: 2.353 **1r quartil**

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Journal of the European Mathematical Society [15](#)

Índex d'impacte: 1.404 **1r quartil**

Lloc en el rànquing: 33 de 245

Journal of the Society of Leather Technologists and Chemists [27](#)

Índex d'impacte: 0.436 **3r quartil**

Lloc en el rànquing: 14 de 21

Journal of theoretical biology [326](#)

Índex d'impacte: 2.351 **2n quartil**

Lloc en el rànquing: 22 de 83

Journal of Thermal Analysis and Calorimetry [307](#)

Índex d'impacte: 1.982 **2n quartil**

Lloc en el rànquing: 37 de 75

Journal of Tissue Engineering and Regenerative Medicine [187](#), [205](#), [225](#)

Índex d'impacte: 3.278 **2n quartil**

Lloc en el rànquing: 45 de 158

Journal of Vibroengineering [283](#)

Índex d'impacte: 0.346 **4rt quartil**

Lloc en el rànquing: 68 de 72

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Índex d'impacte: 0.974 **2n quartil**

Lloc en el rànquing: 76 de 245

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Índex d'impacte: 2.386 **1r quartil**

Lloc en el rànquing: 19 de 83

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Índex d'impacte: 1.986 **2n quartil**

Lloc en el rànquing: 63 de 232

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Índex d'impacte: 1.677 **2n quartil**

Lloc en el rànquing: 85 de 232

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Índex d'impacte: 2.307 **1r quartil**

Lloc en el rànquing: 47 de 232

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Índex d'impacte: 2.003 **2n quartil**

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Índex d'impacte: 0.743 **2n quartil**

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Índex d'impacte: 0.777 **2n quartil**

Lloc en el rànquing: 42 de 90

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Índex d'impacte: 0.749 **2n quartil**

Lloc en el rànquing: 81 de 289

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Índex d'impacte: 1.366 **1r quartil**

Lloc en el rànquing: 27 de 122

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Índex d'impacte: 2.830 **2n quartil**

Lloc en el rànquing: 30 de 116

Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science [202](#)

Índex d'impacte: 1.545 **2n quartil**

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Índex d'impacte: 0.753 **3r quartil**
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Microfluidics and Nanofluidics [289](#)
Índex d'impacte: 3.371 **2n quartil**
Lloc en el rànquing: 21 de 66

Molecular biology and evolution [160](#)
Índex d'impacte: 5.550 **1r quartil**
Lloc en el rànquing: 43 de 290

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Índex d'impacte: 1.321 **2n quartil**
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Índex d'impacte: 5.914 **1r quartil**
Lloc en el rànquing: 21 de 154

Nature Communications [189](#)
Índex d'impacte: 7.396 **1r quartil**
Lloc en el rànquing: 4 de 56

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Índex d'impacte: 3.514 **2n quartil**
Lloc en el rànquing: 85 de 244

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Índex d'impacte: 1.536 **1r quartil**
Lloc en el rànquing: 25 de 245

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Índex d'impacte: 1.386 **1r quartil**
Lloc en el rànquing: 36 de 245

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Índex d'impacte: 1.211 **2n quartil**
Lloc en el rànquing: 24 de 58

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Índex d'impacte: 3.338 **1r quartil**
Lloc en el rànquing: 2 de 77

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Organometallics [129](#)

Índex d'impacte: 3.963 **1r quartil**

Lloc en el rànquing: 6 de 44

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Pacific Journal of Mathematics [92](#)

Índex d'impacte: 0.626 **2n quartil**

Lloc en el rànquing: 120 de 289

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Índex d'impacte: 1.646 **3r quartil**

Lloc en el rànquing: 172 de 261

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Índex d'impacte: 1.594 **1r quartil**

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Índex d'impacte: 1.204 **1r quartil**

Lloc en el rànquing: 35 de 84

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Índex d'impacte: 3.573 **2n quartil**

Lloc en el rànquing: 34 de 134

Physical Review B [167, 235](#)

Índex d'impacte: 3.691 **1r quartil**

Lloc en el rànquing: 13 de 69

Physical Review C [53, 147](#)

Índex d'impacte: 3.308 **4rt quartil**

Lloc en el rànquing: 5 de 21

Physical Review D [86, 89](#)

Índex d'impacte: 4.558 **1r quartil**

Lloc en el rànquing: 11 de 56

Physical Review Letters [7, 90, 292](#)

Índex d'impacte: 7.370 **1r quartil**

Lloc en el rànquing: 5 de 84

Physics in Medicine and Biology [45, 252](#)

Índex d'impacte: 2.829 **1r quartil**

Lloc en el rànquing: 14 de 72

Plasma Processes and Polymers [169, 264](#)

Índex d'impacte: 2.468 **1r quartil**

Lloc en el rànquing: 27 de 125

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Plos One [31](#), [67](#), [124](#)

Índex d'impacte: 4.092 **1r quartil**

Lloc en el rànquing: 12 de 85

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Índex d'impacte: 3.438 **1r quartil**

Lloc en el rànquing: 14 de 79

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Índex d'impacte: 5.321 **1r quartil**

Lloc en el rànquing: 4 de 79

Polymer Engineering and Science [119](#)

Índex d'impacte: 1.302 **2n quartil**

Lloc en el rànquing: 60 de 133

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Índex d'impacte: 1.902 **2n quartil**

Lloc en el rànquing: 25 de 79

Polymer Testing [297](#)

Índex d'impacte: 1.636 **1r quartil**

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Polymers & Polymer Composites [313](#), [318](#)

Índex d'impacte: 0.309 **4rt quartil**

Lloc en el rànquing: 27 de 32

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Índex d'impacte: 0.692 **3r quartil**

Lloc en el rànquing: 15 de 20

Process Safety and Environmental Protection [294](#)

Índex d'impacte: 1.050 **3r quartil**

Lloc en el rànquing: 34 de 45

Production Planning & Control [77](#)

Índex d'impacte: 0.725 **3r quartil**

Lloc en el rànquing: 26 de 43

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Índex d'impacte: 1.848 **1r quartil**

Lloc en el rànquing: 4 de 17

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Quality and Reliability Engineering International [311](#)

Índex d'impacte: 0.680 **3r quartil**

Lloc en el rànquing: 30 de 44

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Índex d'impacte: 1.177 **2n quartil**

Lloc en el rànquing: 13 de 35

Radiochimica Acta [136](#)

Índex d'impacte: 1.575 **3r quartil**

Lloc en el rànquing: 24 de 44

Rbgn-Revista Brasileira De Gestao De Negocios [314](#)

Índex d'impacte: 0.021 **4rt quartil**

Lloc en el rànquing: 115 de 116

Reaction Kinetics Mechanisms and Catalysis [278](#)

Índex d'impacte: 0.829 **4rt quartil**

Lloc en el rànquing: 106 de 134

Reactive & Functional Polymers [273](#)

Índex d'impacte: 2.479 **1r quartil**

Lloc en el rànquing: 16 de 71

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Índex d'impacte: 1.367 **2n quartil**

Lloc en el rànquing: 20 de 58

Revista Facultad De Ingenieria-Universidad De Antioquia [122](#)

Índex d'impacte: 0.083 **4rt quartil**

Lloc en el rànquing: 88 de 90

Revista Iberoamericana De Automatica E Informatica Industrial [79](#)

Índex d'impacte: 0.231 **4rt quartil**

Lloc en el rànquing: 54 de 58

Rsc Advances [107](#)

Índex d'impacte: sense índex d'impacte

Amunt

Science and Technology of Nuclear Installations [9](#)

Índex d'impacte: 0.562 **3r quartil**

Lloc en el rànquing: 25 de 35

Science of the Total Environment [146](#), [183](#)

Índex d'impacte: 3.286 **1r quartil**

Lloc en el rànquing: 29 de 205

Scripta Materialia [81](#)

Índex d'impacte: 2.699 **2n quartil**

Lloc en el rànquing: 30 de 66

Revistes

Siam Journal on Applied Dynamical Systems [29](#), [141](#)

Índex d'impacte: 1.327 **1r quartil**

Lloc en el rànquing: 41 de 245

Systematic Biology [327](#)

Índex d'impacte: 12.169 **1r quartil**

Lloc en el rànquing: 2 de 47

Soft Matter [48](#)

Índex d'impacte: 4.390 **1r quartil**

Lloc en el rànquing: 27 de 137

Surface & Coatings Technology [11](#), [242](#), [250](#)

Índex d'impacte: 1.867 **2n quartil**

Lloc en el rànquing: 5 de 18

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Talanta [286](#)

Índex d'impacte: 3.794 **1r quartil**

Lloc en el rànquing: 12 de 73

Theoretical and Applied Climatology [170](#), [192](#)

Índex d'impacte: 1.942 **2n quartil**

Lloc en el rànquing: 30 de 71

Theoretical Chemistry Accounts [8](#)

Índex d'impacte: 2.162 **2n quartil**

Lloc en el rànquing: 63 de 134

Thermochimica Acta [97](#), [121](#), [263](#)

Índex d'impacte: 1.805 **3r quartil**

Lloc en el rànquing: 39 de 73

Thin Solid Films [19](#)

Índex d'impacte: 1.890 **2n quartil**

Lloc en el rànquing: 69 de 232

Thin-Walled Structures [41](#), [59](#)

Índex d'impacte: 1.177 **2n quartil**

Lloc en el rànquing: 13 de 35

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Waste Management [84](#), [130](#)

Índex d'impacte: 2.428 **2n quartil**

Lloc en el rànquing: 12 de 45

Revistes

Water Resources Management [125](#)

Índex d'impacte: 2.054 1r quartil

Lloc en el rànquing: 9 de 118

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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.

[Journal of the European Ceramic Society](#) (Lloc en el rànquing: 1 de 25)

Botero, C. A., Jimenez-Pique, E., Baudin, C., Salan, N., & Llanes, L. 2012. [Nanoindentation of Al₂O₃/Al₂TiO₅ composites: Small-scale mechanical properties of Al₂TiO₅ as reinforcement phase](#). *Journal of the European Ceramic Society*, 32(14): 3723-3731

Jimenez-Pique, E., Ramos, A., Munoz-Tabares, J. A., Hatton, A., Soldera, F., Muecklich, F., & Anglada, M. 2012. [Focused ion beam tomography of zirconia degraded under hydrothermal conditions](#). *Journal of the European Ceramic Society*, 32(10): 2129-2136

Marro, F. G., Camposilvan, E., & Anglada, M. 2012. [Revealing crack profiles in polycrystalline tetragonal zirconia by ageing](#). *Journal of the European Ceramic Society*, 32(8): 1541-1549

Muñoz-Tabares, J. A., Jimenez-Pique, E., Reyes-Gasga, J., & Anglada, M. 2012. [Microstructural changes in 3Y-TZP induced by scratching and indentation](#). *Journal of the European Ceramic Society*, 32(15): 3919-3927.

[Atmospheric Chemistry and Physics](#) (Lloc en el rànquing: 2 de 71)

Haustein, K., Perez, C., Baldasano, J. M., Jorba, O., Basart, S., Miller, R. L., Janjic, Z., Black, T., Nickovic, S., Todd, M. C., Washington, R., Mueller, D., Tesche, M., Weinzierl, B., Esselborn, M., & Schladitz, A. 2012. [Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-dust model - part 2: Experimental campaigns in northern africa](#). *Atmospheric Chemistry and Physics*, 12(6): 2933-2958

Perez-Madrugal, M. M., Armelin, E., del Valle, L. J., Estrany, F., & Aleman, C. 2012. [Bioactive and electroactive response of flexible polythiophene: Polyester nanomembranes for tissue engineering](#). *Polymer Chemistry*, 3(4): 979-991

[Communications in Nonlinear Science and Numerical Simulation](#) (Lloc en el rànquing: 2 de 55)

Alessi, E. M., Gomez, G., & Masdemont, J. J. 2012. [Further advances on low-energy lunar impact dynamics](#). *Communications in Nonlinear Science and Numerical Simulation*, 17(2): 854-866

Ren, Y., Masdemont, J. J., Gomez, G., & Fantino, E. 2012. [Two mechanisms of natural transport in the solar system](#). *Communications in Nonlinear Science and Numerical Simulation*, 17(2): 844-853

[Omega-International Journal of Management Science](#) (Lloc en el rànquing: 2 de 77)

Kopanos, G. M., Puigjaner, L., & Georgiadis, M. C. 2012. [Simultaneous production and logistics operations planning in semicontinuous food industries](#). *Omega-International Journal of Management Science*, 40(5): 634-650.

Revistes amb més impacte

Systematic biology (Lloc en el rànquing: **2 de 47**)

Sumner, J. G., Jarvis, P. D., Fernandez-Sanchez, J., Kaine, B. T., Woodhams, M. D., & Holland, B. R. 2012. [Is the general time-reversible model bad for molecular phylogenetics?](#) *Systematic Biology*, 61(6): 1069-1074

Acta Biomaterialia (Lloc en el rànquing: **3 de 72**)

Gasser, T. C., Gallinetti, S., Xing, X., Forsell, C., Swedenborg, J., & Roy, J. 2012. [Spatial orientation of collagen fibers in the abdominal aortic aneurysm's wall and its relation to wall mechanics.](#) *Acta Biomaterialia*, 8(8): 3091-3103

Gustavsson, J., Ginebra, M. P., Planell, J., & Engel, E. 2012. [Electrochemical microelectrodes for improved spatial and temporal characterization of aqueous environments around calcium phosphate cements.](#) *Acta Biomaterialia*, 8(1): 386-393

Mestres, G., Le Van, C., & Ginebra, M. 2012. [Silicon-stabilized alpha-tricalcium phosphate and its use in a calcium phosphate cement: Characterization and cell response.](#) *Acta Biomaterialia*, 8(3): 1169-1179

Food Chemistry (Lloc en el rànquing: **3 de 71**)

Espinosa, C., Angel Lopez-Jimenez, J., Cabrera, L., Larque, E., Pilar Almajano, M., Arnao, M. B., Zamora, S., & Perez-Llamas, F. 2012. [Protective effect of white tea extract against acute oxidative injury caused by adriamycin in different tissues.](#) *Food Chemistry*, 134(4): 1780-1785

International Journal of Machine Tools & Manufacture (Lloc en el rànquing: **3 de 37**)

Buj-Corral, I., Vivancos-Calvet, J., & Dominguez-Fernandez, A. 2012. [Surface topography in ball-end milling processes as a function of feed per tooth and radial depth of cut.](#) *International Journal of Machine Tools & Manufacture*, 53(1): 151-159

Polymer Testing (Lloc en el rànquing: **3 de 32**)

Arencon, D., Antunes, M., Martinez, A. B., & Velasco, J. I. 2012. [Study of the fracture behavior of flexible polypropylene foams using the essential work of fracture \(EWF\).](#) *Polymer Testing*, 31(2): 217-225

Advanced Drug Delivery Reviews (Lloc en el rànquing: **4 de 261**)

Ginebra, M., Canal, C., Espanol, M., Pastorino, D., & Montufar, E. B. 2012. [Calcium phosphate cements as drug delivery materials.](#) *Advanced Drug Delivery Reviews*, 64(12): 1090-1110

Revistes amb més impacte

Nature Communications (Lloc en el rànquing: 4 de 56)

Manosa, L., Gonzalez-Alonso, D., Planes, A., Barrio, M., Tamarit, J., Titov, I. S., Acet, M., Bhattacharyya, A., & Majumdar, S. 2011. [Inverse barocaloric effect in the giant magnetocaloric la-fe-si-co compound](#). *Nature Communications*, 2: 595

Polymer Chemistry (Lloc en el rànquing: 4 de 79)

Aradilla, D., Casanovas, J., Estrany, F., Iribarren, J. I., & Aleman, C. 2012. [New insights into the characterization of poly\(3-chlorothiophene\) for electrochromic devices](#). *Polymer Chemistry*, 3(2): 436-449

Gomes, A. L., Pinto Zakia, M. B., Godoy Filho, J., Armelin, E., Aleman, C., & de Carvalho Campos, J. S. 2012. [Preparation and characterization of semiconducting polymeric blends. photochemical synthesis of poly\(3-alkylthiophenes\) using host microporous matrices of poly\(vinylidene fluoride\)](#). *Polymer Chemistry*, 3(5): 1334-1343

Japu, C., Alla, A., Martinez de Ilarduya, A., Gracia Garcia-Martin, M., Benito, E., Galbis, J. A., & Munoz-Guerra, S. 2012. [Bio-based aromatic copolyesters made from 1,6-hexanediol and bicyclic diacetalized D-glucitol](#). *Polymer Chemistry*, 3(8): 2092-2101

Perez-Madrigal, M. M., Armelin, E., del Valle, L. J., Estrany, F., & Aleman, C. 2012. [Bioactive and electroactive response of flexible polythiophene: Polyester nanomembranes for tissue engineering](#). *Polymer Chemistry*, 3(4): 979-991

Progress in Organic Coatings (Lloc en el rànquing: 4 de 17)

Foix, D., Rodriguez, M. T., Ferrando, F., Ramis, X., & Serra, A. 2012. [Combined use of sepiolite and a hyperbranched polyester in the modification of epoxy/anhydride coatings: A study of the curing process and the final properties](#). *Progress in Organic Coatings*, 75(4): 364-372

Morell, M., Fernandez-Francos, X., Gombau, J., Ferrando, F., Lederer, A., Ramis, X., Voit, B., & Serra, A. 2012. [Multiarm star poly\(glycidol\)-block-poly\(styrene\) as modifier of anionically cured diglycidylether of bisphenol A thermosetting coatings](#). *Progress in Organic Coatings*, 73(1): 62-69

Tomuta, A. M., Ramis, X., Ferrando, F., & Serra, A. 2012. [The use of dihydrazides as latent curing agents in diglycidyl ether of bisphenol A coatings](#). *Progress in Organic Coatings*, 74(1): 59-66

Automatica (Lloc en el rànquing: 5 de 58)

Griño, R., Ortega, R., & Fossas, E. 2012. [A feedback-based L-2-norm limiter for periodic signals](#). *Automatica*, 48(1): 205-210

Revistes amb més impacte

Composite Part B-Engineering (Lloc en el rànquing: 5 de 24)

Agirregomezkorta, A., Martinez, A. B., Sanchez-Soto, M., Aretxaga, G., Sarrionandia, M., & Aurrekoetxea, J. 2012. [Impact behaviour of carbon fibre reinforced epoxy and non-isothermal cyclic butylene terephthalate composites manufactured by vacuum infusion](#). *Composites Part B-Engineering*, 43(5): 2249-2256

Hydrometallurgy (Lloc en el rànquing: 5 de 75)

Coll, M. T., Fortuny, A., Kedari, C. S., & Sastre, A. M. 2012. [Studies on the extraction of co\(II\) and ni\(II\) from aqueous chloride solutions using primene JMT-Cyanex272 ionic liquid extractant](#). *Hydrometallurgy*, 125: 24-28

Physical Review Letters (Lloc en el rànquing: 5 de 84)

Alcala, J., Dalmau, R., Franke, O., Biener, M., Biener, J., & Hodge, A. 2012. [Planar defect nucleation and annihilation mechanisms in nanocontact plasticity of metal surfaces](#). *Physical Review Letters*, 109(7): 075502

de Haro, J., & Elizalde, E. 2012. [Gravitational particle production in massive chaotic inflation and the moduli problem](#). *Physical Review Letters*, 108(6): 061303

Zupancic, B., Diez-Berart, S., Finotello, D., Lavrentovich, O. D., & Zalar, B. 2012. [Photoisomerization-controlled phase segregation in a submicron confined azonematic liquid crystal](#). *Physical Review Letters*, 108(25): 257801