

articles publicats

per investigadors

de l'ETSEIB indexats

al Journal Citation

Reports

2011

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Introducció

Aquest informe recull els 296 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 2011.

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 2011
- 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 2012
- 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 "ETS Enginyers Ind.) OR ("INTE" OR Inst Tecn Enrgt) OR ("IOC") OR "Terrassa" OR "tarrassa" OR "08222" OR "terrassa" OR "Tarrassa" or "TERRASSA" OR "TARRASSA") AND AD=("etseib" OR "ETSEIB" OR "diagonal" OR "DIAGONAL" OR "08028" Refined by: Document Type=( ARTICLE )
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Aquest apartat recull els 296 articles publicats per investigadors de l'ETSEIB a les revistes indexades al Journal Citation Reports durant l'any 2011.

1. Abalos, C., Paul, A., Mendoza, A., Solano, E., & Gil, F. J. 2011. [Influence of topographical features on the fluoride corrosion of ni-ti orthodontic archwires](#). *Journal of Materials Science-Materials in Medicine*, 22(12): 2813-2821. **Índex d'impacte: 2.325 2n Quàrtil**
2. Abio, I., Alberich-Carraminana, M., & Gonzalez-Alonso, V. 2011. [The ultrametric space of plane branches](#). *Communications in Algebra*, 39(11): 4206-4220. **Índex d'impacte: 0.369 3r Quàrtil**
3. Aguares, M., & Baldoma, I. 2011. [Structure and gevrey asymptotic of solutions representing topological defects to some partial differential equations](#). *Nonlinearity*, 24(10): 2813-2847. **Índex d'impacte: 1.468 1r Quàrtil**
4. Agueda, A., Pastor, E., Perez, Y., Viegas, D. X., & Planas, E. 2011. [Fire intensity reduction in straw fuel beds treated with a long-term retardant](#). *Fire Safety Journal*, 46(1-2): 41-47. **Índex d'impacte: 1.017 1r Quàrtil**
5. Aleman, C., Torras, J., & Casanovas, J. 2011. [Influence of polarity of the medium in the saturation of the electronic properties for pi-conjugated oligothiophenes](#). *Chemical Physics Letters*, 511(4-6): 283-287. **Índex d'impacte: 2.282 1r Quàrtil**
6. Alonso-Perez, S., Cuevas, E., Perez, C., Querol, X., Baldasano, J. M., Draxler, R., & De Bustos, J. J. 2011. [Trend changes of african airmass intrusions in the marine boundary layer over the subtropical eastern north atlantic region in winter](#). *Tellus Series B-Chemical and Physical Meteorology*, 63(2): 255-265. **Índex d'impacte: 3.336 1r Quàrtil**
7. Alves, L., Ballesteros, B., Boronat, M., Ramon Cabrero-Antonino, J., Concepcion, P., Corma, A., Angel Correa-Duarte, M., & Mendoza, E. 2011. [Synthesis and stabilization of subnanometric gold oxide nanoparticles on multiwalled carbon nanotubes and their catalytic activity](#). *Journal of the American Chemical Society*, 133(26): 10251-10261. **Índex d'impacte: 9.023 1r Quàrtil**
8. Amoroso, F., Colussi, S., Del Zotto, A., Llorca, J., & Trovarelli, A. 2011. [PdO hydrate as an efficient and recyclable catalyst for the suzuki-miyaura reaction in water/ethanol at room temperature](#). *Catalysis Communications*, 12(6): 563-567. **Índex d'impacte: 2.827 2n Quàrtil**
9. Anzola, A. M., Bruschi, Y. M., Lopez, E., Schbib, N. S., Pedernera, M. N., & Borio, D. O. 2011. [Heat supply and hydrogen yield in an ethanol microreformer](#). *Industrial & Engineering Chemistry Research*, 50(5): 2698-2705. **Índex d'impacte: 2.072 1r Quàrtil**
10. Aparicio, C., Rodriguez, D., & Gil, F. J. 2011. [Variation of roughness and adhesion strength of deposited apatite layers on titanium dental implants](#). *Materials Science & Engineering C-Materials for Biological Applications*, 31(2): 320-324. **Índex d'impacte: 2.180 2n Quàrtil**
11. 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: 3.297 1r Quàrtil**
12. Aradilla, D., Azambuja, D., Estrany, F., Iribarren, J. I., Ferreira, C. A., & Aleman, C. 2011. [Poly\(3,4-ethylenedioxythiophene\) on self-assembled alkanethiol monolayers for corrosion protection](#). *Polymer Chemistry*, 2(11): 2548-2556.

13. [Aradilla, D., Estrany, F., & Aleman, C. 2011. Different properties for poly\(3,4-ethylenedioxythiophene\) films derived from single or multiple polymerization steps. *Journal of Applied Polymer Science*, 121\(4\): 1982-1991. **Índex d'impacte: 1.240 2n Quàrtil**](#)
14. [Aradilla, D., Estrany, F., & Aleman, C. 2011. Symmetric supercapacitors based on multilayers of conducting polymers. *Journal of Physical Chemistry C*, 115\(16\): 8430-8438. **Índex d'impacte: 4.524 1r Quàrtil**](#)
15. [Aradilla, D., Torras, J., & Aleman, C. 2011. Structural and electronic properties of poly\[N-\(2-cyanoalkyl\)pyrrole\]s bearing small alkyl groups. *Journal of Physical Chemistry B*, 115\(12\): 2882-2889. **Índex d'impacte: 3.603 1r Quàrtil**](#)
16. [Aristizabal, A., Contreras, S., Barrabes, N., Llorca, J., Tichit, D., & Medina, F. 2011. Catalytic reduction of nitrates in water on pt promoted cu hydrotalcite-derived catalysts: Effect of the pt-cu alloy formation. *Applied Catalysis B-Environmental*, 110: 58-70. **Índex d'impacte: 4.749 1r Quàrtil**](#)
17. [Aristizabal, A., Kolafa, M., Contreras, S., Dominguez, M., Llorca, J., Barrabes, N., Tichit, D., & Medina, F. 2011. Catalytic activity and characterization of Pt/calcined CuZnAl hydrotalcites in nitrate reduction reaction in water. *Catalysis Today*, 175\(1\): 370-379. **Índex d'impacte: 2.993 1r Quàrtil**](#)
18. [Arumi, D., Rodriguez-Montanes, R., Figueras, J., Eichenberger, S., Hora, C., & Kruseman, B. 2011. Gate leakage impact on full open defects in interconnect lines. *Ieee Transactions on very Large Scale Integration \(Vlsi\) Systems*, 19\(12\): 2209-2220. **Índex d'impacte: 0.907 2n Quàrtil**](#)
19. [Avrutin, V., Fossas, E., Granados, A., & Schanz, M. 2011. Virtual orbits and two-parameter bifurcation analysis in a ZAD-controlled buck converter. *Nonlinear Dynamics*, 63\(1-2\): 19-33. **Índex d'impacte: 1.741 1r Quàrtil**](#)
20. [Bacardit, A., Shendryk, A., Moriera, J. M., Bou, J., & Olle, L. 2011. Determination of functional groups of humic derivatives as tanning-retanning agents. *Journal of the Society of Leather Technologists and Chemists*, 95\(6\): 259-262. **Índex d'impacte: 0.561 2n Quàrtil**](#)
21. [Barrio, M., Negrier, P., Tamarit, J. L., & Mondieig, D. 2011. From high-temperature orientationally disordered mixed crystals to low-temperature complex formation in the two-component system \(CH₃\)₃CBr + cl\(3\)CBr. *Journal of Physical Chemistry B*, 115\(7\): 1679-1688. **Índex d'impacte: 3.603 1r Quàrtil**](#)
22. [Batet, L., Fradera, J., Mas de les Valls, E., & Sedano, L. A. 2011. Numeric implementation of a nucleation, growth and transport model for helium bubbles in lead-lithium HCLL breeding blanket channels: Theory and code development. *Fusion Engineering and Design*, 86\(4-5\): 421-428. **Índex d'impacte: 1.143 1r Quàrtil**](#)
23. [Bautista, J., & Cano, A. 2011. Solving mixed model sequencing problem in assembly lines with serial workstations with work overload minimisation and interruption rules. *European Journal of Operational Research*, 210\(3\): 495-513. **Índex d'impacte: 2.159 1r Quàrtil**](#)
24. [Bautista, J., & Pereira, J. 2011. Procedures for the time and space constrained assembly line balancing problem. *European Journal of Operational Research*, 212\(3\): 473-481. **Índex d'impacte: 2.159 1r Quàrtil**](#)
25. [Beitia, M. A., Compta, A., de Hoyos, I., & Pena, M. 2011. Realizations of perturbations of an observable pair with prescribed indices. *Linear Algebra and its Applications*, 434\(5\): 1325-1335. **Índex d'impacte: 1.005 1r Quàrtil**](#)
26. [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: 0.752 2n Quàrtil**](#)

27. Bordy, J. M., Daures, 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: 1.019 2n Quàrtil**
28. [Botero, C. A.](#), [Jimenez-Pique, E.](#), Kulkarni, T., [Fargas, G.](#), Sarin, V. K., & [Llanes, L.](#) 2011. [Cross-sectional nanoindentation and nanoscratch of compositionally graded mullite films.](#) *Surface & Coatings Technology*, 206(7): 1927-1931. **Índex d'impacte: 2.141 1r Quàrtil**
29. [Buj-Corral, I.](#), & [Vivancos-Calvet, J.](#) 2011. [Roughness variability in the honing process of steel cylinders with CBN metal bonded tools.](#) *Precision Engineering-Journal of the International Societies for Precision Engineering and Nanotechnology*, 35(2): 289-293. **Índex d'impacte: 1.619 1r Quàrtil**
30. [Buj-Corral, I.](#), [Vivancos-Calvet, J.](#), & [Gonzalez-Rojas, H.](#) 2011. [Influence of feed, eccentricity and helix angle on topography obtained in side milling processes.](#) *International Journal of Machine Tools & Manufacture*, 51(12): 889-897. **Índex d'impacte: 1919 1r Quàrtil**
31. [Busquets-Monge, S.](#), [Alepez, S.](#), & [Bordonau, J.](#) 2011. [A bidirectional multilevel boost-buck DC-DC converter.](#) *IEEE Transactions on Power Electronics*, 26(8): 2172-2183. **Índex d'impacte: 3.240 1r Quàrtil**
32. [Busquets-Monge, S.](#), & [Nicolas-Apruzzese, J.](#) 2011. [A multilevel active-clamped converter topology-operating principle.](#) *IEEE Transactions on Industrial Electronics*, 58(9): 3868-3878. **Índex d'impacte: 3.481 1r Quàrtil**
33. [Calvo, J.](#), [Cabrera, J. M.](#), Pineda, R., Delor, A., Mejia, I., & Bedolla-Jacuinde, A. 2011. [Deformation behaviour of a twinning induced plasticity \(TWIP\) steel.](#) *Metallurgia Italiana*(7-8): 3-7. **Índex d'impacte: 0.137 3r Quàrtil**
34. [Canal, C.](#), Villegier, S., & Ricard, A. 2011. [Evaluation of N atom transmission of N\(2\) flowing post-discharges for sterilization processes through modification of wettability of textiles.](#) *Plasma Processes and Polymers*, 8(6): 505-511. **Índex d'impacte: 1.647 2n Quàrtil**
35. [Canales, M.](#), [Aradilla, D.](#), & [Aleman, C.](#) 2011. [Water absorption in polyaniline emeraldine base.](#) *Journal of Polymer Science Part B-Polymer Physics*, 49(18): 1322-1331. **Índex d'impacte: 1.300 2n Quàrtil**
36. [Caner, F. C.](#), Bazant, Z. P., Hoover, C. G., Waas, A. M., & Shahwan, K. W. 2011. [Microplane model for fracturing damage of triaxially braided fiber-polymer composites.](#) *Journal of Engineering Materials and Technology-Transactions of the Asme*, 133(2): 021024. **Índex d'impacte: 0.695 2n Quàrtil**
37. Capon-Garcia, E., [Bojarski, A. D.](#), [Espuna, A.](#), & [Puigjaner, L.](#) 2011. [Multiobjective optimization of multiproduct batch plants scheduling under environmental and economic concerns.](#) *AIChE Journal*, 57(10): 2766-2782. **Índex d'impacte: 2.030 1r Quàrtil**
38. Capon-Garcia, E., [Moreno-Benito, M.](#), & [Espuna, A.](#) 2011. [Improved short-term batch scheduling flexibility using variable recipes.](#) *Industrial & Engineering Chemistry Research*, 50(9): 4983-4992. **Índex d'impacte: 2.072 1r Quàrtil**
39. Carnicer, A., [Ginjaume, M.](#), [Duch, M. A.](#), Vanhavere, F., Merce, M. S., Baechler, S., Barth, I., Donadille, L., Ferrari, P., Fulop, M., Gualdrini, G., Krim, S., Mariotti, M., Ortega, X., Rimpler, A., Ruiz, N., & Olko, P. 2011. [The use of different types of thermoluminescent dosimeters to measure extremity doses in nuclear medicine.](#) *Radiation Measurements*, 46(12): 1835-1838. **Índex d'impacte: 1.019 2n Quàrtil**

40. Carnicer, A., Sans-Merce, M., Baechler, S., Barth, I., Donadille, L., Ferrari, P., Fulop, M., [Ginjaume, M.](#), Gualdrini, G., Krim, S., Mariotti, M., Ortega, X., Rimpler, A., Ruiz, N., & Vanhavere, F. 2011. [Hand exposure in diagnostic nuclear medicine with \(18F- and \(99m\)Tc-labelled radiopharmaceuticals - results of the ORAMED project.](#) *Radiation Measurements*, 46(11): 1277-1282. **Índex d'impacte: 1.019 2n Quàrtil**
41. Carrasco, F., Gamez-Perez, J., [Santana, O. O.](#), & [MasPOCH, M. L.](#) 2011. [Processing of poly\(lactic acid\)/organomontmorillonite nanocomposites: Microstructure, thermal stability and kinetics of the thermal decomposition.](#) *Chemical Engineering Journal*, 178: 451-460. **Índex d'impacte: 3.074 1r Quàrtil**
42. [Carrasco, J. A.](#) 2011. [An efficient and numerically stable method for computing bounds for the interval availability distribution.](#) *Informa Journal on Computing*, 23(2): 268-283. **Índex d'impacte: 1.172 2n Quàrtil**
43. [Casafont, M.](#), [Magdalena Pastor, M.](#), [Roure, F.](#), & Pekoez, T. 2011. [An experimental investigation of distortional buckling of steel storage rack columns.](#) *Thin-Walled Structures*, 49(8): 933-946. **Índex d'impacte: 1.103 1r Quàrtil**
44. [Casanelas, M.](#), & Fernandez-Sanchez, J. 2011. [Relevant phylogenetic invariants of evolutionary models.](#) *Journal De Mathematiques Pures Et Appliquees*, 96(3): 207-229. **Índex d'impacte: 1.450 1r Quàrtil**
45. [Casanelas, M.](#), & Hartshorne, R. 2011. [ACM bundles on cubic surfaces.](#) *Journal of the European Mathematical Society*, 13(3): 709-731. **Índex d'impacte: 1.353 1r Quàrtil**
46. Casas, P. S., & [Ramirez-Ros, R.](#) 2011. [The frequency map for billiards inside ellipsoids.](#) *Siam Journal on Applied Dynamical Systems*, 10(1): 278-324. **Índex d'impacte: 1.626 1r Quàrtil**
47. [Casas, S.](#), Bonet, N., Aladjem, C., [Cortina, J. L.](#), Larrotcha, E., & [Cremades, L. V.](#) 2011. [Modelling sodium chloride concentration from seawater reverse osmosis brine by electrodialysis: Preliminary results.](#) *Solvent Extraction and Ion Exchange*, 29(3): 488-508. **Índex d'impacte: 1.821 2n Quàrtil**
48. Castelletto, V., Moulton, C. M., Cheng, G., Hamley, I. W., Hicks, M. R., Rodger, A., [Lopez-Perez, D. E.](#), [Revilla-Lopez, G.](#), & [Aleman, C.](#) 2011. [Self-assembly of fmoc-tetrapeptides based on the RGDS cell adhesion motif.](#) *Soft Matter*, 7(24): 11405-11415. **Índex d'impacte: 4.457 1r Quàrtil**
49. Ceseracci, L., [Anglada, M.](#), & [Jimenez-Pique, E.](#) 2011. [Influence of the elastic mismatch on the hertzian cone crack path in ceramic bilayers.](#) *Journal of the European Ceramic Society*, 31(11): 1951-1955. **Índex d'impacte: 2.575 1r Quàrtil**
50. Chang, S. A., & [del Mar Gonzalez, M.](#) 2011. [Fractional laplacian in conformal geometry.](#) *Advances in Mathematics*, 226(2): 1410-1432. **Índex d'impacte: 1.372 1r Quàrtil**
51. Chaturvedi, D., Mishra, S., Tandon, P., Portilla-Arias, J. A., & [Munoz-Guerra, S.](#) 2011. [Thermal degradation and theoretical interpretation of vibrational spectra of poly \(beta,L-malic acid\).](#) *Polymer*, 52(14): 3118-3126. **Índex d'impacte: 3.829 1r Quàrtil**
52. Chiriotti, S., [Ginjaume, M.](#), Vano, E., Sanchez, R., Fernandez, J. M., [Duch, M. A.](#), & [Sempau, J.](#) 2011. [Performance of several active personal dosimeters in interventional radiology and cardiology.](#) *Radiation Measurements*, 46(11): 1266-1270. **Índex d'impacte: 1.019 2n Quàrtil**
53. Clairand, I., Bordy, J. -, Carinou, E., Dures, J., Debroas, J., Denoziere, M., Donadille, L., [Ginjaume, M.](#), Itie, C., Koukorava, C., Krim, S., Lebacq, A. -, Martin, P., Struelens, L., Sans-Merce, M., & Vanhavere, F. 2011. [Use of active personal dosimeters in interventional radiology and cardiology: Tests in laboratory conditions and recommendations - ORAMED project.](#) *Radiation Measurements*, 46(11): 1252-1257. **Índex d'impacte: 1.019 2n Quàrtil**

54. Clairand, I., Bordy, J. -, Daures, J., Debroas, J., Denoziere, M., Donadille, L., [Ginjaume, M.](#), Itie, C., Koukorava, C., Krim, S., Lebacqz, A. -, Martin, P., Struelens, L., Sans-Merce, M., Tosic, M., & Vanhavere, F. 2011. [Active personal dosimeters in interventional radiology: Tests in laboratory conditions and in hospitals.](#) *Radiation Protection Dosimetry*, 144(1-4): 453-458. **Índex d'impacte: 0.966 3r Quàrtil**
55. [Compta, A.](#), [Ferrer, J.](#), & [Pena, M.](#) 2011. [Geometric structure of Single/combined equivalence classes of a controllable pair.](#) *Electronic Journal of Linear Algebra*, 22: 1112-1128. **Índex d'impacte: 0.808 1r Quàrtil**
56. [Compta, A.](#), [Ferrer, J.](#), & [Pena, M.](#) 2011. [On the effect of friend feedbacks.](#) *Mathematical Methods in the Applied Sciences*, 34(3): 309-314. **Índex d'impacte: 0.840 2n Quàrtil**
57. [Corominas Subias, A.](#), & Sacristan Adinolfi, V. 2011. [The strategic crossroads of spanish public university.](#) *Revista De Educacion*(355): 57-81. **Índex d'impacte: 0.622 2n Quàrtil**
58. [Corominas, A.](#), & [Pastor, R.](#) 2011. [Designing greedy algorithms for the flow-shop problem by means of empirically adjusted greedy heuristics \(EAGH\).](#) *Journal of the Operational Research Society*, 62(9): 1704-1710. **Índex d'impacte: 1102 2n Quàrtil**
59. [Corominas, A.](#), [Ferrer, L.](#), & [Pastor, R.](#) 2011. [Assembly line balancing: General resource-constrained case.](#) *International Journal of Production Research*, 49(12): 3527-3542. **Índex d'impacte: 1.033 3r Quàrtil**
60. Costa, A. E., [Santana, A.](#), Quadri, M. B., Machado, R. A. F., [Recasens, F.](#), & [Larrayoz, M. A.](#) 2011. [Glycerol desorption from ion exchange and adsorbent resin using supercritical fluid technology: An optimization study.](#) *Journal of Supercritical Fluids*, 58(2): 226-232. **Índex d'impacte: 2.986 1r Quàrtil**
61. [Cremades, L. V.](#), & Rincon, G. 2011. [Qualitative evaluation of an industrial emissions inventory quality for the modelling of contaminants in the northeastern coast of venezuela.](#) *Interciencia*, 36(2): 128-134. **Índex d'impacte: 0.391 3r Quàrtil**
62. Curco, D., [Revilla-Lopez, G.](#), [Aleman, C.](#), & [Zanuy, D.](#) 2011. [Atomistic modeling of peptides bound to a chemically active surface: Conformational implications.](#) *Journal of Peptide Science*, 17(2): 132-138. **Índex d'impacte: 1.954 3r Quàrtil**
63. Curco, D., [Zanuy, D.](#), Nussinov, R., & [Aleman, C.](#) 2011. [A simulation strategy for the atomistic modeling of flexible molecules covalently tethered to rigid surfaces: Application to peptides.](#) *Journal of Computational Chemistry*, 32(4): 607-619. **Índex d'impacte: 1.050 1r Quàrtil**
64. de Gracia Villa, M., Jimenez-Jorquera, C., Haro, I., Jose Gomara, M., Sanmarti, R., Fernandez-Sanchez, C., & [Mendoza, E.](#) 2011. [Carbon nanotube composite peptide-based biosensors as putative diagnostic tools for rheumatoid arthritis.](#) *Biosensors & bioelectronics*, 27(1): 113-118. **Índex d'impacte: 5.361 1r Quàrtil**
65. [de les Valls, E. M.](#), [Batet, L.](#), de Medina, V., Fradera, J. J., & Sedano, L. A. 2011. [Qualification of MHD effects in dual-coolant DEMO blanket and approaches to their modelling.](#) *Fusion Engineering and Design*, 86(9-11): 2326-2329. **Índex d'impacte: 1.143 1r Quàrtil**
66. [De Luchi, D.](#), [Urpi, L.](#), [Subirana, J. A.](#), & [Campos, L.](#) 2011. [DNA coiled coil superstructures in oligonucleotide crystals.](#) *Industrial & Engineering Chemistry Research*, 50(9): 5218-5224. **Índex d'impacte: 2.072 1r Quàrtil**
67. de Prada Gil, M., [Gomis-Bellmunt, O.](#), [Sumper, A.](#), & [Bergas-Jane, J.](#) 2011. [Analysis of a multi turbine offshore wind farm connected to a single large power converter operated with variable frequency.](#) *Energy*, 36(5): 3272-3281. **Índex d'impacte: 3.597 1r Quàrtil**

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En aquest apartat es recullen els 220 investigadors de l'ETSEIB que han publicat en revistes indexades al Journal Citation Reports durant l'any 2012.

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