

**Articles indexats
publicats per
investigadors del
Campus Terrassa:
2016**



**UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH**

Campus de Terrassa



INTRODUCCIÓ

Aquesta pàgina recull els [278 treballs publicats](#) per [257 investigadors/es](#) del Campus de Terrassa en revistes indexades al Journal Citation Report durant el 2015 ([nota metodològica](#)).

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Factor impacte 2016 = 2.324 – Q2
2. [Afa](#), I.J.; [Serrat](#), C., 2016. Quantum Control of Population Transfer and Vibrational States via Chirped Pulses in Four Level Density Matrix Equations. *Applied Sciences-Basel*. Vol. 6, núm. 11. ISSN 2076-3417. DOI [10.3390/app6110351](#).
Factor impacte 2016 = 1.679 – Q3
3. [Ahmed](#), W.W.; [Herrero](#), R.; [Botey](#), M.; [Staliunas](#), K., 2016. Locally parity-time-symmetric and globally parity-symmetric systems. *PHYSICAL REVIEW A*. Vol. 94, núm. 5. ISSN 2469-9926. DOI [10.1103/PhysRevA.94.053819](#).
Factor impacte 2016 = 2.925 – Q1
4. Akhmediev, N.; Kibler, B.; Baronio, F.; [Masoller](#), C.; et al., 2016. Roadmap on optical rogue waves and extreme events. *JOURNAL OF OPTICS*. Vol. 18, núm. 6. ISSN 2040-8978. DOI [10.1088/2040-8978/18/6/063001](#).
Factor impacte 2016 = 1.741 – Q2
5. Alonso, C.; Martí, M.; Barba, C.; [Lis](#), M.; Rubio, L.; Coderch, L., 2016. Skin penetration and antioxidant effect of cosmeo-textiles with gallic acid. *JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY*. Vol. 156, p. 50-55. ISSN 1011-1344. DOI [10.1016/j.jphotobiol.2016.01.014](#).
Factor impacte 2016 = 2.673 – Q2
6. Alzahrani, E.O.; Al-Aidarous, E.S.; Younas, A.M.M.; Ahmad, F.; Ahmad, S.; Ahmad, S., 2016. [A higher order frozen Jacobian iterative method for solving Hamilton-Jacobi equations](#). *JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS*. Vol. 9, núm. 12, p. 6210-6227. ISSN 2008-1898.
Factor impacte 2016 = 1.340 – Q1
7. [Amante](#), B.; [Lopez-Grimau](#), V.; Smith, T., 2016. Valuation of oil extraction residue from Moringa oleifera seeds for water purification in Burkina Faso. A: , *DESALINATION AND WATER TREATMENT*. Vol. 57, núm. 6, SI, p. 2743-2749. ISSN 1944-3994. DOI [10.1080/19443994.2015.1047408](#).
Factor impacte 2016 = 1.631 – Q2
8. Aragonese, A.; Carpi, L.; Tarasov, N.; Churkin, D.V.; [Torrent](#), M.C.; [Masoller](#), C.; Turitsyn, S.K., 2016. Unveiling Temporal Correlations Characteristic of a Phase Transition in the Output Intensity of a Fiber Laser. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 3. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.033902](#).
Factor impacte 2016 = 8.462 – Q1
9. Argiles, M.; [Cardona](#), G.; [Perez-Cabre](#), E.; [Perez-Magrane](#), R.; [Morcego](#), B.; [Gispets](#), J. 2016. Real-Time Non-Intrusive Assessment of Viewing Distance during Computer Use. *OPTOMETRY AND VISION SCIENCE*. Vol. 93, núm. 12, p. 1525-1531. ISSN 1040-5488. DOI [10.1097/OPX.0000000000000995](#).
Factor impacte 2016 = 1.409 – Q3
10. [Arias](#), A.; [Caum](#), J.; Grino, R., 2016. Moving towards the maximum speed in stepping motors by means of enlarging the bandwidth of the current controller. *MECHATRONICS*. Vol. 40, p. 51-62. ISSN 0957-4158. DOI [10.1016/j.mechatronics.2016.10.018](#).
Factor impacte 2016 = 2.496 – Q1
11. [Arias](#), F.J., 2016. Interfacial tension-driven differentiation-(ITDD) may result in a low-density central region inside kilometer-sized bodies. *PLANETARY AND SPACE SCIENCE*. Vol. 122, p. 88-93. ISSN 0032-0633. DOI [10.1016/j.pss.2016.01.010](#).
Factor impacte 2016 = 1.892 – Q3
12. [Arias](#), F.J., 2016. On the use of thermal conductive focusing for solar concentration enhancement. *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*. Vol. 108, p. 17-27. ISSN 1290-0729. DOI [10.1016/j.ijthermalsci.2016.04.019](#).
Factor impacte 2016 = 3.615 – Q1
13. [Arias](#), F.J.; Parks, G.T., 2016. A linear mass spectrometer by induced Hall potential for electromagnetic isotopic separation working at high pressures. *PROGRESS IN NUCLEAR ENERGY*. Vol. 91, p. 236-239. ISSN 0149-1970. DOI



- [10.1016/j.pnucene.2016.03.007](https://doi.org/10.1016/j.pnucene.2016.03.007).
Factor impacte 2016 = 1.313 – Q2
14. [Arias](#), F.J.; Parks, G.T., 2016. A neutron diode for subcritical multistage multipliers with special reference in tritium breeding. *JOURNAL OF FUSION ENERGY*, Vol. 35, núm. 2, p. 142-147. ISSN 0164-0313. DOI [10.1007/s10894-015-0049-7](https://doi.org/10.1007/s10894-015-0049-7).
Factor impacte 2016 = 0.858 – Q3
15. Arredondo, B.; Martin-Lopez, M.B.; Romero, B.; Vergaz, R.; Romero-Gomez, P.; [Martorell](#), J., 2016. Monitoring degradation mechanisms in PTB7:PC71BM photovoltaic cells by means of impedance spectroscopy. *SOLAR ENERGY MATERIALS AND SOLAR CELLS*. Vol. 144, p. 422-428. ISSN 0927-0248. DOI [10.1016/j.solmat.2015.09.050](https://doi.org/10.1016/j.solmat.2015.09.050).
Factor impacte 2016 = 4.784 – Q1
16. [Azcona](#), F.J.; Jha, A.; [Yañez](#), C.; Atashkhouei, R.; [Royo](#), S., 2016. Microcantilever Displacement Measurement Using a Mechanically Modulated Optical Feedback Interferometer. *SENSORS*. Vol. 16, núm. 7. ISSN 1424-8220. DOI [10.3390/s16070997](https://doi.org/10.3390/s16070997).
Factor impacte 2016 = 2.677 – Q1
17. [Baez](#), A.; [Lehmkuhl](#), O.; [Trias](#), F.X.; [Perez-Segarra](#), C., 2016. On the properties of discrete spatial filters for CFD. *JOURNAL OF COMPUTATIONAL PHYSICS*. Vol. 326, p. 474-498. ISSN 0021-9991. DOI [10.1016/j.jcp.2016.09.002](https://doi.org/10.1016/j.jcp.2016.09.002).
Factor impacte 2016 = 2.744 – Q1
18. [Balcazar](#), N.; [Lehmkuhl](#), O.; Jofre, L.; [Rigola](#), J.; [Oliva](#), A., 2016. A coupled volume-of-fluid/level-set method for simulation of two-phase flows on unstructured meshes. *COMPUTERS & FLUIDS*. Vol. 124, p. 12-29. ISSN 0045-7930. DOI [10.1016/j.compfluid.2015.10.005](https://doi.org/10.1016/j.compfluid.2015.10.005).
Factor impacte 2016 = 2.313 – Q1
19. [Balcazar](#), N.; [Rigola](#), J.; [Castro](#), J.; [Oliva](#), A., 2016. A level-set model for thermocapillary motion of deformable fluid particles. *INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW*. Vol. 62, núm. B, p. 324-343. ISSN 0142-727X. DOI [10.1016/j.ijheatfluidflow.2016.09.015](https://doi.org/10.1016/j.ijheatfluidflow.2016.09.015).
Factor impacte 2016 = 1.873 – Q2
20. Barardi, A.; [Garcia-Ojalvo](#), J.; Mazzoni, A., 2016. Transition between Functional Regimes in an Integrate-And-Fire Network Model of the Thalamus. *PLOS ONE*. Vol. 11, núm. 9. ISSN 1932-6203. DOI [10.1371/journal.pone.0161934](https://doi.org/10.1371/journal.pone.0161934).
Factor impacte 2016 = 2.806 – Q1
21. Barrias, A.; Casas, J.R.; [Villalba](#), S., 2016. A Review of Distributed Optical Fiber Sensors for Civil Engineering Applications. *SENSORS*. Vol. 16, núm. 5. ISSN 1424-8220. DOI [10.3390/s16050748](https://doi.org/10.3390/s16050748).
Factor impacte 2016 = 2.677 – Q1
22. Barroso, A.; [Fittipaldi](#), M.; Agustí, G.; [Morato](#), J.; Codony, F., 2016. Preliminary evaluation of photodynamic activity of manuka honey. *PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY*. Vol. 14, p. 25-26. ISSN 1572-1000. DOI [10.1016/j.pdpdt.2016.01.009](https://doi.org/10.1016/j.pdpdt.2016.01.009).
Factor impacte 2016 = 2.219 – Q3
23. Bautista, M.; Martinez de Ilarduya, A.; Alla, A.; Vives, M.; [Morato](#), J.; Muñoz-Guerra, S., 2016. Cationic poly(butylene succinate) copolyesters. *EUROPEAN POLYMER JOURNAL*. Vol. 75, p. 329-342. DOI [10.1016/j.eurpolymj.2015.12.012](https://doi.org/10.1016/j.eurpolymj.2015.12.012).
Factor impacte 2016 = 3.531 – Q1
24. Beltramino, F.; [Roncero](#), M.B.; [Torres](#), A.L.; [Vidal](#), T.; [Valls](#), C., 2016. Optimization of sulfuric acid hydrolysis conditions for preparation of nanocrystalline cellulose from enzymatically pretreated fibers. *CELLULOSE*. Vol. 23, núm. 3, p. 1777-1789. ISSN 0969-0239. DOI [10.1007/s10570-016-0897-y](https://doi.org/10.1007/s10570-016-0897-y).
Factor impacte 2016 = 3.417 – Q1
25. [Berbel](#), N.; [Fernandez-Garcia](#), R.; [Gil](#), I., 2016. Modeling technique of the conducted emission of integrated circuit under different temperatures. *INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS*. Vol. 29, núm. 2, p. 291-300. ISSN 10991204. DOI [10.1002/inm.2076](https://doi.org/10.1002/inm.2076).
Factor impacte 2016 = 0.622 – Q4
26. [Bernat-Maso](#), E.; Escrig, C.; [Gil](#), L., 2016. Comparison between TRM and FRP strengthening systems at preventing buckling failure of brick masonry walls. *INFORMES DE LA CONSTRUCCION*. Vol. 68, núm. 543. ISSN 0020-0883. DOI [10.3989/ic.16.056](https://doi.org/10.3989/ic.16.056).
Factor impacte 2016 = 0.362 – Q4
27. [Bernat-Maso](#), E.; [Gil](#), L.; Escrig, C., 2016. Textile-reinforced rammed earth: Experimental characterisation of flexural



- strength and toughness. *CONSTRUCTION AND BUILDING MATERIALS*. Vol. 106, p. 470-479. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2015.12.139](https://doi.org/10.1016/j.conbuildmat.2015.12.139).
Factor impacte 2016 = 3.169 – Q1
28. [Blesa, J.](#); [Nejjari, F.](#); [Sarrate, R.](#), 2016. Robust sensor placement for leak location: analysis and design. *JOURNAL OF HYDROINFORMATICS*. Vol. 18, núm. 1, p. 136-148. ISSN 1464-7141. DOI [10.2166/hydro.2015.021](https://doi.org/10.2166/hydro.2015.021).
Factor impacte 2016 = 1.634 – Q2
29. [Blesa, J.](#); [Puig, V.](#); [Saludes, J.](#); [Fernandez-Cantj, R.M.](#), 2016. Set-membership parity space approach for fault detection in linear uncertain dynamic systems. *INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING*. Vol. 30, núm. 2, SI, p. 186-205. ISSN 0890-6327. DOI [10.1002/acs.2476](https://doi.org/10.1002/acs.2476).
Factor impacte 2016 = 1.708 – Q2
30. Bolea, Y.; [Puig, V.](#), 2016. Gain-scheduling multivariable LPV control of an irrigation canal System. *ISA TRANSACTIONS*. Vol. 63, p. 274-280. ISSN 0019-0578. DOI [10.1016/j.isatra.2016.03.009](https://doi.org/10.1016/j.isatra.2016.03.009).
Factor impacte 2016 = 3.394 – Q1
31. Bori, J.; [Valles, B.](#); [Navarro, A.](#); [Riva, M.C.](#), 2016. Geochemistry and environmental threats of soils surrounding an abandoned mercury mine. *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*. Vol. 23, núm. 13, p. 12941-12953. ISSN 0944-1344. DOI [10.1007/s11356-016-6463-1](https://doi.org/10.1007/s11356-016-6463-1).
Factor impacte 2016 = 2.741 – Q2
32. Bori, J.; [Valles, B.](#); Ortega, L.; [Riva, M.C.](#), 2016. Bioassays with terrestrial and aquatic species as monitoring tools of hydrocarbon degradation. *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*. Vol. 23, núm. 18, p. 18694-18703. ISSN 0944-1344. DOI [10.1007/s11356-016-7097-z](https://doi.org/10.1007/s11356-016-7097-z).
Factor impacte 2016 = 2.741 – Q2
33. Borrell, R.; [Chiva, J.](#); [Lehmkuhl, O.](#); [Oyarzun, G.](#); [Rodriguez, I.](#); [Oliva, A.](#), 2016. Optimising the Termofluids CFD code for petascale simulations. *INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS*. Vol. 30, núm. 6, SI, p. 425-430. ISSN 1061-8562. DOI [10.1080/10618562.2016.1221503](https://doi.org/10.1080/10618562.2016.1221503).
Factor impacte 2016 = 0.938 – Q4
34. [Burgos-Fernandez, F.J.](#); [Vilaseca, M.](#); Perales, E.; Herrera-Ramirez, J.A.; Martínez-Verdu, F.M.; [Pujol, J.](#), 2016. Spectrally tunable light source based on light-emitting diodes for custom lighting solutions. *OPTICA APPLICATA*. Vol. 46, núm. 1, p. 117-129. ISSN 0078-5466. DOI [10.5277/oa160111](https://doi.org/10.5277/oa160111).
Factor impacte 2016 = 0.641 – Q4
35. [Buscio, V.](#); [Crespi, M.](#); [Gutierrez-Bouzan, C.](#), 2016. Application of PVDF ultrafiltration membranes to treat and reuse textile wastewater. *DESALINATION AND WATER TREATMENT*. Vol. 57, núm. 18, p. 8090-8096. ISSN 1944-3994. DOI [10.1080/19443994.2015.1021854](https://doi.org/10.1080/19443994.2015.1021854).
Factor impacte 2016 = 1.631 – Q2
36. [Buscio, V.](#); García-Jiménez, M.; [Vilaseca, M.](#); [Lopez-Grimau, V.](#); [Crespi, M.](#); [Gutierrez-Bouzá, C.](#), 2016. Reuse of Textile Dyeing Effluents Treated with Coupled Nanofiltration and Electrochemical Processes. *MATERIALS*. Vol. 9, núm. 6. ISSN 1996-1944. DOI [10.3390/ma9060490](https://doi.org/10.3390/ma9060490).
Factor impacte 2016 = 2.654 – Q2
37. Cafiero, M.; Lloberas-Valls, O.; [Cante, J.C.](#); Oliver, J., 2016. The domain interface method: a general-purpose non-intrusive technique for non-conforming domain decomposition problems. *COMPUTATIONAL MECHANICS*. Vol. 57, núm. 4, p. 555-581. ISSN 0178-7675. DOI [10.1007/s00466-015-1239-x](https://doi.org/10.1007/s00466-015-1239-x).
Factor impacte 2016 = 2.861 – Q1
38. [Cailloux, J.](#); Hakim, R.N.; [Santana, O.O.](#); Bou, J. J.; Abt, T.; [Sanchez-Soto, M.](#); Carrasco, F.; [MasPOCH, M.L.](#), 2016. Reactive extrusion: A useful process to manufacture structurally modified PLA/o-MMT composites. *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*. Vol. 88, p. 106-115. ISSN 1359-835X. DOI [10.1016/j.compositesa.2016.05.024](https://doi.org/10.1016/j.compositesa.2016.05.024).
Factor impacte 2016 = 4.075 – Q1
39. [Canals-Casals, L.](#); [Amante-Garcia, B.](#), 2016. Communications concerns for reused electric vehicle batteries in smart grids. *IEEE COMMUNICATIONS MAGAZINE*. Vol. 54, núm. 9, p. 120-125. ISSN 0163-6804. DOI [10.1109/MCOM.2016.7565258](https://doi.org/10.1109/MCOM.2016.7565258).
Factor impacte 2016 = 10.435 – Q1
40. [Canals-Casals, L.](#); [Amante-Garcia, B.](#); Castella-Daga, S., 2016. The electric vehicle battery ageing and how it is perceived by its driver. *DYNA*. Vol. 91, núm. 2, p. 188-195. ISSN 0012-7361. DOI [10.6036/7599](https://doi.org/10.6036/7599).
Factor impacte 2016 = 0.522 – Q4



41. [Canals-Casals, L.](#); Martinez-Laserna, E.; [Amante-Garcia, B.](#); Nieto, N., 2016. Sustainability analysis of the electric vehicle use in Europe for CO2 emissions reduction. *JOURNAL OF CLEANER PRODUCTION*. Vol. 127, p. 425-437. ISSN 0959-6526. DOI [10.1016/j.jclepro.2016.03.120](#).
Factor impacte 2016 = 5.715 – Q1
42. [Canals-Casals, L.](#); Schiffer, A.; [Amante-Garcia, B.](#); Llorca, J., 2016. PHEV battery ageing study using voltage recovery and internal resistance from on-board data. *IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY*. Vol. 65, núm. 6, p. 4209-4216. ISSN 0018-9545. DOI [10.1109/TVT.2015.2459760](#).
Factor impacte 2016 = 4.066 – Q1
43. [Canavate, J.](#); Aymerich, J.; [Garrido, N.](#); [Colom, X.](#); [Macanas, J.](#); [Molins, G.](#); [Alvarez, M.D.](#); [Carrillo, F.](#), 2016. Properties and optimal manufacturing conditions of chicken feathers/poly(lactic acid) biocomposites. *JOURNAL OF COMPOSITE MATERIALS*. Vol. 50, núm. 12, SI, p. 1671-1683. ISSN 0021-9983. DOI [10.1177/0021998315595534](#).
Factor impacte 2016 = 1.494- Q2
44. Capelli, F.; [Riba, J.R.](#); Perez, J., 2016. Three-Dimensional Finite-Element Analysis of the Short-Time and Peak Withstand Current Tests in Substation Connectors. *ENERGIES*. Vol. 9, núm. 6. ISSN 1996-1073. DOI [10.3390/en9060418](#).
Factor impacte 2016 = 2.262 – Q2
45. [Carino-Corrales, J.A.](#); Saucedo-Dourantes, J.J.; [Zurita-Millan, D.](#); [Delgado-Prieto, M.](#); [Ortega-Redondo, J.A.](#); Osornio-Rios, R.A.; Romero-Troncoso, R.D., 2016. Vibration-Based Adaptive Novelty Detection Method for Monitoring Faults in a Kinematic Chain. *SHOCK AND VIBRATION*. ISSN 1070-9622. DOI [10.1155/2016/2417856](#).
Factor impacte 2016 = 1.281 – Q3
46. Carrasco, F.; [Maspocho, M.L.](#), 2016. [Enhancement of the thermal resistance of poly\(lactic acid\) obtained by reactive extrusion by adding nanoclays](#). *AFINIDAD*. Vol. 73, núm. 576, p. 251-258. ISSN 0001-9704. .
Factor impacte 2016 = 0.289 – Q4
47. [Carrera-Gallissa, E.](#); [Capdevila, X.](#); Valldeperas, J., 2016. [Correlation Analysis between the Kawabata System \(KES-F\) and the UPC Ring Methods of Fabric Analysis](#). *JOURNAL OF ENGINEERED FIBERS AND FABRICS*. Vol. 11, núm. 2, p. 1-8. ISSN 1558-9250.
Factor impacte 2016 = 0.500 – Q3
48. [Carrion-Fite, F.J.](#), 2016. Deposition of Solid Impurity During Washing of Softented Cotton in Function of the Mixtures of Surfactants. *TENSIDE SURFACTANTS DETERGENTS*. Vol. 53, núm. 4, p. 387-391. ISSN 0932-3414. DOI [10.3139/113.110441](#).
Factor impacte 2016 = 0.869 – Q3
49. [Casals, M.](#); [Gangoells, M.](#); [Forcada, N.](#); [Macarulla, M.](#), 2016. Reducing lighting electricity use in underground metro stations. *ENERGY CONVERSION AND MANAGEMENT*. Vol. 119, p. 130-141. ISSN 0196-8904. DOI [10.1016/j.enconman.2016.04.034](#).
Factor impacte 2016 = 5.589 – Q1
50. [Casals, M.](#); [Gangoells, M.](#); [Forcada, N.](#); [Macarulla, M.](#); Giretti, A.; Vaccarini, M., 2016. SEAM4US: An intelligent energy management system for underground stations. *APPLIED ENERGY*. Vol. 166, p. 150-164. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.01.029](#).
Factor impacte 2016 = 7.182 – Q1
51. [Cayuela, D.](#); Cot, M.; [Algaba, I.](#); Manich, A.M., 2016. Effect of different dispersing agents in the non-isothermal kinetics and thermomechanical behavior of PET/TiO2 composites. *JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY*. Vol. 53, núm. 4, p. 237-244. ISSN 1060-1325. DOI [10.1080/10601325.2016.1143321](#).
Factor impacte 2016 = 0.963 – Q3
52. Claramunt, J.; Fernandez-Carrasco, L.; [Ventura, H.](#); [Ardanuy, M.](#), 2016. Natural fiber nonwoven reinforced cement composites as sustainable materials for building envelopes. *CONSTRUCTION AND BUILDING MATERIALS*. Vol. 115, p. 230-239. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2016.04.044](#).
Factor impacte 2016 = 3.169 – Q1
53. [Colom, X.](#); Bin Musidin, A.; Formela, K.; [Canavate, J.](#), 2016. FTIR spectroscopic and thermogravimetric characterization of ground tyre rubber devulcanized by microwave treatment. *POLYMER TESTING*. Vol. 52, p. 200-208. ISSN 0142-9418. DOI [10.1016/j.polymertesting.2016.04.020](#).
Factor impacte 2016 = 2.464 – Q1
54. Combastel, C.; [Puig, V.](#); Raïssi, T.; Álamo, T., 2016. Set-membership methods applied to FDI and FTC. *INTERNATIONAL*



JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING. Vol. 30, núm. 2, p. 150-153. ISSN 0890-6327. DOI [10.1002/acs.2660](https://doi.org/10.1002/acs.2660).

Factor impacte 2016 = 1.708 – Q2

55. Costa-Castello, R.; Puig, V.; Blesa, J., 2016. Introduccion a la diagnosis de fallos basada en modelos mediante aprendizaje basado en proyectos. REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL. Vol. 13, núm. 2, p. 186-195. ISSN 1697-7912. DOI [10.1016/j.riai.2015.09.011](https://doi.org/10.1016/j.riai.2015.09.011).

Factor impacte 2016 = 0.500 – Q4

56. Costa-Castello, R.; Puig, V.; Blesa, J., 2016. On teaching model-based fault diagnosis in engineering curricula. *IEEE CONTROL SYSTEMS MAGAZINE*. Vol. 36, núm. 1, p. 53-62. ISSN 1066-033X. DOI [10.1109/MCS.2015.2495091](https://doi.org/10.1109/MCS.2015.2495091).

Factor impacte 2016 = 5.196 – Q1

57. Cuguero-Escofet, M.A.; García, D.; Quevedo, J.; Puig, V.; Espin, S.; Roquet, J., 2016. A methodology and a software tool for sensor data validation/reconstruction: Application to the Catalonia regional water network. *CONTROL ENGINEERING PRACTICE*. Vol. 49, p. 159-172. ISSN 0967-0661. DOI [10.1016/j.conengprac.2015.11.005](https://doi.org/10.1016/j.conengprac.2015.11.005).

Factor impacte 2016 = 2.602 – Q2

58. Cuguero-Escofet, M.A.; Quevedo, J.; Alippi, C.; Roveri, M.; Puig, V.; García, D.; Trovo, F., 2016. Model- vs. data-based approaches applied to fault diagnosis in potable water supply networks. *JOURNAL OF HYDROINFORMATICS*. Vol. 18, núm. 5, p. 831-850. ISSN 1464-7141. DOI [10.2166/hydro.2016.218](https://doi.org/10.2166/hydro.2016.218).

Factor impacte 2016 = 1.634 – Q2

59. Cusido, J.A.; Cremades, L.V.; Sitjar, R., 2016. Ceramic macromembrane for tangento-axial micro- and ultrafiltration water systems. A: , *DESALINATION AND WATER TREATMENT*. Vol. 57, núm. 6, SI, p. 2737-2742. ISSN 1944-3994. DOI [10.1080/19443994.2015.1044477](https://doi.org/10.1080/19443994.2015.1044477).

Factor impacte 2016 = 1.631 – Q2

60. Dabbagh, F.; Trias, F.X.; Gorobets, A.; Oliva, A., 2016. On the evolution of flow topology in turbulent Rayleigh-Benard convection. *PHYSICS OF FLUIDS*. Vol. 28, núm. 11. ISSN 1070-6631. DOI [10.1063/1.4967495](https://doi.org/10.1063/1.4967495).

Factor impacte 2016 = 2.232 – Q2

61. Delgado, M.; Zurita, D.; Wang, W.S.; Machado, A.; Ortega, J.A.; Romeral, L., 2016. Self-Powered Wireless Sensor Applied to Gear Diagnosis Based on Acoustic Emission. *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*. Vol. 65, núm. 1, p. 15-24. ISSN 0018-9456. DOI [10.1109/TIM.2015.2476278](https://doi.org/10.1109/TIM.2015.2476278).

Factor impacte 2016 = 2.456 – Q1

62. Delpueyo, X.; Vilaseca, M.; Furio, M.; Burgos-Fernandez, F.J.; Pujol, J., 2016. [Multispectral and colour imaging systems for the detection of small vertebrate fossils: A preliminary study](#). *PALAEONTOLOGIA ELECTRONICA*. Vol. 19, núm. 3. ISSN 1935-3952.

Factor impacte 2016 = 1.400 – Q1

63. Detrell, G.; Griful, E.; Messerschmid, E., 2016. [Reliability versus mass optimization of CO2 extraction technologies for long duration missions](#). *ADVANCES IN SPACE RESEARCH*. Vol. 57, núm. 11, p. 2337-2346. ISSN 0273-1177. DOI [10.1016/j.asr.2016.03.024](https://doi.org/10.1016/j.asr.2016.03.024).

Factor impacte 2016 = 1.401 – Q3

64. Dies, M.; Galera-Laporta, L.; Garcia-Ojalvo, J., 2016. Mutual regulation causes co-entrainment between a synthetic oscillator and the bacterial cell cycle. *INTEGRATIVE BIOLOGY*. Vol. 8, núm. 4, p. 533-541. ISSN 1757-9694. DOI [10.1039/c5ib00262a](https://doi.org/10.1039/c5ib00262a).

Factor impacte 2016 = 3.252 – Q2

65. Domenech, B.; Romero, V.; Vázquez, M.I.; Ávila, M.; Benavente, J.; Muñoz, M.; Macanas, J., 2016. Chemical and electrochemical characterization of Nafion containing silver nanoparticles in a stripe-like distribution. *RSC ADVANCES*. Vol. 6, núm. 12, p. 9923-9931. ISSN 2046-2069. DOI [10.1039/c5ra22838g](https://doi.org/10.1039/c5ra22838g).

Factor impacte 2016 = 3.108 – Q2

66. Domenech, B.; Ziegler, K.; Vigués, N.; Olszewski, W.; Marini, C.; Mas, J.; Muñoz, M.; Muraviev, D.; Macanas, J., 2016. Polyurethane foams doped with stable silver nanoparticles as bactericidal and catalytic materials for the effective treatment of water. *NEW JOURNAL OF CHEMISTRY*. Vol. 40, núm. 4, p. 3716-3725. ISSN 1144-0546. DOI [10.1039/c5nj03202d](https://doi.org/10.1039/c5nj03202d).

Factor impacte 2016 = 3.269 – Q2

67. Dominguez, N.; Mayershofer, D.; Garcia, C.; Arasa, J., 2016. Accurate polarimeter with multicapture fitting for plastic lens



- evaluation. *OPTICAL ENGINEERING*. Vol. 55, núm. 2. ISSN 0091-3286. DOI [10.1117/1.OE.55.2.024102](https://doi.org/10.1117/1.OE.55.2.024102).
Factor impacte 2016 = 1.082 – Q3
68. Du, W.; Zhou, X.; [Lordan](#), O.; Wang, Z.; Zhao, C.; Zhu, Y., 2016. Analysis of the Chinese Airline Network as multi-layer networks. *TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW*. Vol. 89, p. 108-116. ISSN 1366-5545. DOI [10.1016/j.tre.2016.03.009](https://doi.org/10.1016/j.tre.2016.03.009).
Factor impacte 2016 = 2.974 – Q1
69. Elias, X.; Liu, Q.; Gimbert-Surinach, C.; Matheu, R.; Mantilla-Perez, P.; Martinez-Otero, A.; Sala, X.; [Martorell](#), J.; Llobet, A. Neutral Water Splitting Catalysis with a High FF Triple Junction Polymer Cell. *ACS CATALYSIS*. Vol. 6, núm. 5, p. 3310-3316. ISSN 2155-5435. DOI [10.1021/acscatal.6b01036](https://doi.org/10.1021/acscatal.6b01036).
Factor impacte 2016 = 10.614 – Q1
70. Erencia, M.; [Cano](#), F.; [Tornero](#), J.; [Macanas](#), J.; [Carrillo](#), F., 2016. Preparation of electrospun nanofibers from solutions of different gelatin types using a benign solvent mixture composed of water/PBS/ethanol. *POLYMERS FOR ADVANCED TECHNOLOGIES*. Vol. 27, núm. 3, p. 382-392. ISSN 1042-7147. DOI [10.1002/pat.3678](https://doi.org/10.1002/pat.3678).
Factor impacte 2016 = 1.907 – Q2
71. [Farre-Lladós](#), J.; [Casals-Terre](#), J.; [Voltas](#), J.; Westerberg, L.G., 2016. The use of rapid prototyping techniques (RPT) to manufacture micro channels suitable for high operation pressures and mu PIV. *RAPID PROTOTYPING JOURNAL*. Vol. 22, núm. 1, p. 67-76. ISSN 1355-2546. DOI [10.1108/RPJ-02-2014-0019](https://doi.org/10.1108/RPJ-02-2014-0019).
Factor impacte 2016 = 2.400 – Q1
72. [Fernandez-Cantj](#), R.M.; [Blesa](#), J.; [Puig](#), V.; [Tornil-Sin](#), S., 2016. Set-membership identification and fault detection using a Bayesian framework. *INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE*. Vol. 47, núm. 7, p. 1710-1724. ISSN 0020-7721. DOI [10.1080/00207721.2014.948946](https://doi.org/10.1080/00207721.2014.948946).
Factor impacte 2016 = 2.285 – Q1
73. [Fernandez-Garcia](#), R.; [Gil](#), I.; [Cano](#), F., 2016. Experimental evaluation of electrical properties of fabrics elaborated with conductive yarns. *JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS*. Vol. 30, núm. 2, p. 272-279. ISSN 0920-5071. DOI [10.1080/09205071.2015.1106987](https://doi.org/10.1080/09205071.2015.1106987).
Factor impacte 2016 = 0.850 – Q4
74. [Fernandez-Palomeque](#), E.; [Romerai](#), L.; [Sala](#), V., 2016. Impedance networks and its Application in Power for Electric Traction System. *IEEE LATIN AMERICA TRANSACTIONS*. Vol. 14, núm. 3, p. 1146-1155. ISSN 1548-0992. DOI [10.1109/TLA.2016.7459592](https://doi.org/10.1109/TLA.2016.7459592).
Factor impacte 2016 = 0.631 – Q4
75. [Fernandez-Palomeque](#), E.; [Romerai](#), L.; [Sala](#), V, 2016. Power converters and its application in electric traction systems. Analysis Present and Future Technologies. *IEEE LATIN AMERICA TRANSACTIONS*. Vol. 14, núm. 2, p. 631-638. ISSN 1548-0992. DOI [10.1109/TLA.2016.7437203](https://doi.org/10.1109/TLA.2016.7437203).
Factor impacte 2016 = 0.631 – Q4
76. Fernandez-Sampedro, M.A.; Invergo, B.M.; [Ramon](#), E.; Bertranpetit, J.; [Garriga](#), P., 2016. Functional role of positively selected amino acid substitutions in mammalian rhodopsin evolution. *SCIENTIFIC REPORTS*. Vol. 6. ISSN 2045-2322. DOI [10.1038/srep21570](https://doi.org/10.1038/srep21570).
Factor impacte 2016 = 4.259 – Q1
77. [Forcada](#), N.; [Macarulla](#), M.; [Gangoells](#), M.; [Casals](#), M., 2016. Handover defects: comparison of construction and post-handover housing defects. *BUILDING RESEARCH AND INFORMATION*. Vol. 44, núm. 3, p. 279-288. ISSN 0961-3218. DOI [10.1080/09613218.2015.1039284](https://doi.org/10.1080/09613218.2015.1039284).
Factor impacte 2016 = 3.136 – Q1
78. Formela, K.; Hejna, A.; Piszczky, L.; Saeb , M.R.; [Colom](#), X., 2016. Processing and structure-property relationships of natural rubber/wheat bran biocomposites. *CELLULOSE*. Vol. 23, núm. 5, p. 3157-3175. ISSN 0969-0239. DOI [10.1007/s10570-016-1020-0](https://doi.org/10.1007/s10570-016-1020-0).
Factor impacte 2016 = 3.417 – Q1
79. Formela, K.; Klein, M.; [Colom](#), X.; Saeb , M.R., 2016. Investigating the combined impact of plasticizer and shear force on the efficiency of low temperature reclaiming of ground tire rubber (GTR). *POLYMER DEGRADATION AND STABILITY*. Vol. 125, p. 1-11. ISSN 0141-3910. DOI [10.1016/j.polymdegradstab.2015.12.022](https://doi.org/10.1016/j.polymdegradstab.2015.12.022).
Factor impacte 2016 = 3.386 – Q1
80. Formela, K.; Sulkowski, M.; Saeb , M.R.; [Colom](#), X.; Haponiuk, J.T, 2016. Assessment of microstructure, physical and



thermal properties of bitumen modified with LDPE/GTR/elastomer ternary blends. *CONSTRUCTION AND BUILDING MATERIALS*. Vol. 106, p. 160-167. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2015.12.108](https://doi.org/10.1016/j.conbuildmat.2015.12.108).

Factor impacte 2016 = 3.169 – Q1

81. Fortuny, J.; [Marce-Nogue](#), J.; Steyer, J.S.; Esteban-Trivigno, S.; Mujal, E.; [Gil](#), L., 2016. Comparative 3D analyses and palaeoecology of giant early amphibians (Temnospondyli: Stereospondyli). *SCIENTIFIC REPORTS*. Vol. 6. ISSN 2045-2322. DOI [10.1038/srep30387](https://doi.org/10.1038/srep30387).
Factor impacte 2016 = 4.259 – Q1
82. Francesko, A.; Fernandes, M.M.; [Ivanova](#), K.; Amorim, S.; Reis, S.L.; Paskhuleva, I.; Mendoza, E.; Pfeifer, A.; Heinze, T.; [Tzanov](#), T., 2016. Bacteria-responsive multilayer coatings comprising polycationic nanospheres for bacteria biofilm prevention on urinary catheters. *ACTA BIOMATERIALIA*. Vol. 33, p. 203-212. ISSN 1742-7061. DOI [10.1016/j.actbio.2016.01.020](https://doi.org/10.1016/j.actbio.2016.01.020).
Factor impacte 2016 = 6.319 – Q1
83. Fernandes, M.M.; [Ivanova](#), K.; Francesko, A.; Rivera, D.; [Torrent-Burgues](#), J.; Gedanken, A.; Mendoza, E.; [Tzanov](#), T., 2016. Escherichia coli and Pseudomonas aeruginosa eradication by nano-penicillin G. *NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE*. Vol. 12, núm. 7, p. 2061-2069. ISSN 1549-9634. DOI [10.1016/j.nano.2016.05.018](https://doi.org/10.1016/j.nano.2016.05.018).
Factor impacte 2016 = 5.720 – Q1
84. Franco-Urquiza, E.; Ferrando, H.E.; Luis, D.P.; [Maspoch](#), M.L., 2016. [Mechanical recycling of plastic wastes. Case of study: High Impact Polystyrene for manufacturing TV components shelf](#). *AFINIDAD*. Vol. 73, núm. 575, p. 227-236. ISSN 0001-9704.
Factor impacte 2016 = 0.289 – Q4
85. Gailevicius, D.; Koliadenko, V.; Purlys, V.; Peckus, M.; Taranenko, V.; [Staliunas](#), K., 2016. Photonic Crystal Microchip Laser. *SCIENTIFIC REPORTS*. Vol. 6. ISSN 2045-2322. DOI [10.1038/srep34173](https://doi.org/10.1038/srep34173).
Factor impacte 2016 = 4.259 – Q1
86. [Gamez-Montero](#), P.J.; [Castilla](#), R.; [Freire](#), F.; [Khamashta](#), M.; [Codina](#), E., 2016. An empirical methodology for prediction of shape and flow rate of a free-falling non-submerged liquid and casting iron stream. *ADVANCES IN MECHANICAL ENGINEERING*. Vol. 8, núm. 9. ISSN 1687-8140. DOI [10.1177/1687814016669635](https://doi.org/10.1177/1687814016669635).
Factor impacte 2016 = 0.827 – Q4
87. [Gangoellels](#), M.; [Casals](#), M.; [Forcada](#), N.; [Macarulla](#), M.; Cuerva, E., 2016. Energy mapping of existing building stock in Spain. *JOURNAL OF CLEANER PRODUCTION*. Vol. 112, núm. 5, p. 3895-3904. ISSN 0959-6526. DOI [10.1016/j.jclepro.2015.05.105](https://doi.org/10.1016/j.jclepro.2015.05.105).
Factor impacte 2016 = 5.715 – Q1
88. [Gangoellels](#), M.; [Casals](#), M.; [Forcada](#), N.; [Macarulla](#), M.; Giretti, A., 2016. Energy performance assessment of an intelligent energy management system. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 55, p. 662-667. ISSN 1364-0321. DOI [10.1016/j.rser.2015.11.006](https://doi.org/10.1016/j.rser.2015.11.006).
Factor impacte 2016 = 8.050 – Q1
89. Garcia-Gonzalez, M.; [Garcia-Raurich](#), J.; Raventos, M.; Alba, M., 2016. [Viscosity in the diet of patients diagnosed with oropharyngeal dysphagia](#). *ACTA BIOQUIMICA CLINICA LATINOAMERICANA*. Vol. 50, núm. 1, p. 45-60. ISSN 0325-2957.
Factor impacte 2016 = 0.110
90. [Garcia-Guerra](#), C.E.; [Aldaba](#), M.; [Arjona](#), M.; [Diaz-Douton](#), F.; [Martinez-Roda](#), J.A.; [Pujol](#), J., 2016. Response for light scattered in the ocular fundus from double-pass and Hartmann-Shack estimations. *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION*. Vol. 33, núm. 11, p. 2150-2157. ISSN 1084-7529. DOI [10.1364/JOSAA.33.002150](https://doi.org/10.1364/JOSAA.33.002150).
Factor impacte 2016 = 1.621 – Q3
91. Garcia-Rivera, E.; [Castro](#), J.; [Farnos](#), J.; [Oliva](#), A., 2016. Numerical and experimental investigation of a vertical LiBr falling film absorber considering wave regimes and in presence of mist flow. *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*. Vol. 109, p. 342-361. ISSN 1290-0729. DOI [10.1016/j.ijthermalsci.2016.05.029](https://doi.org/10.1016/j.ijthermalsci.2016.05.029).
Factor impacte 2016 = 3.615 – Q1
92. Garcia-Sabido, D.; Lopez-Mesas, M.; [Carrillo-Navarrete](#), F., 2016. Chicken feather fibres waste as a low-cost biosorbent of acid Blue 80 dye. *DESALINATION AND WATER TREATMENT*. Vol. 57, núm. 8, p. 3732-3740. ISSN 1944-3994. DOI [10.1080/19443994.2014.986531](https://doi.org/10.1080/19443994.2014.986531).
Factor impacte 2016 = 1.631 – Q2



93. Garfi, M.; Marti-Herrero, J.; Garwood, A.; Ferrer, I., 2016. Household anaerobic digesters for biogas production in Latin America: A review. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 60, p. 599-614. ISSN 1364-0321. DOI [10.1016/j.rser.2016.01.071](https://doi.org/10.1016/j.rser.2016.01.071).
Factor impacte 2016 = 8.050 – Q1
94. Gaspar, K.; Casals, M.; Gangolells, M., 2016. A comparison of standardized calculation methods for in situ measurements of facades U-value. *ENERGY AND BUILDINGS*. Vol. 130, p. 592-599. ISSN 0378-7788. DOI [10.1016/j.enbuild.2016.08.072](https://doi.org/10.1016/j.enbuild.2016.08.072).
Factor impacte 2016 = 4.067 – Q1
95. Gaspar, K.; Casals, M.; Gangolells, M., 2016. Classifying System for Facades and Anomalies. *JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES*. Vol. 30, núm. 1. ISSN 0887-3828. DOI [10.1061/\(ASCE\)CF.1943-5509.0000693](https://doi.org/10.1061/(ASCE)CF.1943-5509.0000693).
Factor impacte 2016 = 1.192 – Q2
96. Gaspar, K.; Núñez-Andres, M.A.; Rodriguez, J. J.; Jordana, F., 2016. [Influence of admission marks on the academic performance of technical architecture students](#). *INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION*. Vol. 32, núm. 1, p. 209-218. ISSN 0949-149X.
Factor impacte 2016 = 0.609 – Q4
97. Gedler, G.; Antunes, M.; Velasco, J.I., 2016. Enhanced electrical conductivity in graphene-filled polycarbonate nanocomposites by microcellular foaming with sc-CO₂. *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*. Vol. 30, núm. 9, p. 1017-1029. ISSN 0169-4243. DOI [10.1080/01694243.2015.1137700](https://doi.org/10.1080/01694243.2015.1137700).
Factor impacte 2016 = 1.073 – Q3
98. Gedler, G.; Antunes, M.; Velasco, J.I., 2016. Low density polycarbonate-graphene nanocomposite foams produced by supercritical carbon dioxide two-step foaming. Thermal stability. *COMPOSITES PART B-ENGINEERING*. Vol. 92, p. 299-306. ISSN 1359-8368. DOI [10.1016/j.compositesb.2016.02.025](https://doi.org/10.1016/j.compositesb.2016.02.025).
Factor impacte 2016 = 4.727 – Q1
99. Gedler, G.; Antunes, M.; Velasco, J.I., 2016. Viscoelastic properties of polycarbonate-graphene nanoplatelets nanocomposite foams. *COMPOSITES PART B-ENGINEERING*. Vol. 93, p. 143-152. ISSN 1359-8368. DOI [10.1016/j.compositesb.2016.03.032](https://doi.org/10.1016/j.compositesb.2016.03.032).
Factor impacte 2016 = 4.727 – Q1
100. Gedler, G.; Antunes, M.; Borca-Tasciuc, T.; Velasco, J.I.; Ozisik, R., 2016. Effects of graphene concentration, relative density and cellular morphology on the thermal conductivity of polycarbonate-graphene nanocomposite foams. *EUROPEAN POLYMER JOURNAL*. Vol. 75, p. 190-199. ISSN 0014-3057. DOI [10.1016/j.eurpolymj.2015.12.018](https://doi.org/10.1016/j.eurpolymj.2015.12.018).
Factor impacte 2016 = 3.531 – Q1
101. Gedler, G.; Antunes, M.; Velasco, J.I.; Ozisik, R., 2016. Enhanced electromagnetic interference shielding effectiveness of polycarbonate/graphene nanocomposites foamed via 1-step supercritical carbon dioxide process. *MATERIALS & DESIGN*. Vol. 90, p. 906-914. ISSN 0261-3069. DOI [10.1016/j.matdes.2015.11.021](https://doi.org/10.1016/j.matdes.2015.11.021).
Factor impacte 2016 = 4.364 – Q1
102. Geyer, A.; Manosa, V., 2016. Singular solutions for a class of traveling wave equations arising in hydrodynamics. *NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS*. Vol. 31, p. 57-76. ISSN 1468-1218. DOI [10.1016/j.nonrwa.2016.01.009](https://doi.org/10.1016/j.nonrwa.2016.01.009).
Factor impacte 2016 = 1.659 – Q1
103. Ghias, A.M.Y.M.; Pou, J.; Capella, G.J.; Acuna, P.; Agelidis, V.G., 2016. On Improving Phase-Shifted PWM for Flying Capacitor Multilevel Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 8, p. 5384-5388. ISSN 0885-8993. DOI [10.1109/TPEL.2016.2521803](https://doi.org/10.1109/TPEL.2016.2521803).
Factor impacte 2016 = 7.151 – Q1
104. Giacometto, F.; Capelli, F.; Romeral, L.; Riba, J.; Sala, E., 2016. Thermal Response Estimation in Substation Connectors Using Data-Driven Models. *ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING*. Vol. 16, núm. 3, p. 25-30. ISSN 1582-7445. DOI [10.4316/AECE.2016.03004](https://doi.org/10.4316/AECE.2016.03004).
Factor impacte 2016 = 0.595 – Q4
105. Giden, I.H.; Dadashi, K.; Botey, M.; Herrero, R.; Staliunas, K.; Kurt, H., 2016. Asymmetric light transmission in PT-Symmetric microring resonators. *IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS*. Vol. 22, núm. 5, art. 3600106. 1077-260X. DOI [10.1109/JSTQE.2016.2542782](https://doi.org/10.1109/JSTQE.2016.2542782).
Factor impacte 2016 = 3.971 – Q1
106. Giraldez, H.; Perez-Segarra, C.D.; Oliet, C.; Oliva, A., 2016. Heat and moisture insulation by means of air curtains:



Application to refrigerated chambers. *INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID*. Vol. 68, p. 1-14. ISSN 0140-7007. DOI [10.1016/j.ijrefrig.2016.04.009](https://doi.org/10.1016/j.ijrefrig.2016.04.009).

Factor impacte 2016 = 2.779 – Q1

107. Giusti, S.M.; Ferrer, A.; Oliver, J., 2016. Topological sensitivity analysis in heterogeneous anisotropic elasticity problem. Theoretical and computational aspects. *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*. Vol. 311, p. 134-150. ISSN 0045-7825. DOI [10.1016/j.cma.2016.08.004](https://doi.org/10.1016/j.cma.2016.08.004).
Factor impacte 2016 = 3.949 – Q1
108. Gomez-Monterde, J.; Schulte, M.; Ilijevic, S.; Hain, J.; Sanchez-Soto, M.; Santana, O.O.; Maspoch, M.L., 2016. Effect of microcellular foaming on the fracture behavior of ABS polymer. *JOURNAL OF APPLIED POLYMER SCIENCE*. Vol. 133, núm. 7. ISSN 0021-8995. DOI [10.1002/app.43010](https://doi.org/10.1002/app.43010).
Factor impacte 2016 = 1.860 – Q2
109. Gomez, O.; Perales, E.; Chorro, E.; Burgos, F.J.; Viqueira, V.; Vilaseca, M.; Martinez-Verdu, F.M.; Pujol, J., 2016. Visual and instrumental assessments of color differences in automotive coatings. *COLOR RESEARCH AND APPLICATION*. Vol. 41, núm. 4, p. 384-391. ISSN 0361-2317. DOI [10.1002/col.21964](https://doi.org/10.1002/col.21964).
Factor impacte 2016 = 0.798 – Q3
110. Goncalves, B.A.; Carpi, L.; Rosso, O.A.; Ravetti, M.G., 2016. Time series characterization via horizontal visibility graph and Information Theory. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. Vol. 464, p. 93-102. ISSN 0378-4371. DOI [10.1016/j.physa.2016.07.063](https://doi.org/10.1016/j.physa.2016.07.063).
Factor impacte 2016 = 2.243 – Q1
111. Gonzalez, A.; Riba, J.; Rius, A., 2016. Combined heat and power design based on environmental and cost criteria. *ENERGY*. Vol. 116, p. 922-932. ISSN 0360-5442. DOI [10.1016/j.energy.2016.10.025](https://doi.org/10.1016/j.energy.2016.10.025).
Factor impacte 2016 = 4.520 – Q1
112. Gonzalez, I.; Perez-Segarra, C.D.; Lehmkuhl, O.; Torras, S.; Oliva, A., 2016. Thermo-mechanical parametric analysis of packed-bed thermocline energy storage tanks. *APPLIED ENERGY*. Vol. 179, p. 1106-1122. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.06.124](https://doi.org/10.1016/j.apenergy.2016.06.124).
Factor impacte 2016 = 7.182 – Q1
113. Gonzalez, N.; Custal, M.D.; Lalaouna, S.; Riba, J.R.; Armelin, E., 2016. Improvement of dielectric properties of natural rubber by adding perovskite nanoparticles. *EUROPEAN POLYMER JOURNAL*. Vol. 75, p. 210-222. ISSN 0014-3057. DOI [10.1016/j.eurpolymj.2015.12.023](https://doi.org/10.1016/j.eurpolymj.2015.12.023).
Factor impacte 2016 = 3.531 – Q1
114. Grosso, J.M.; Ocampo-Martinez, C.; Puig, V., 2016. Reliability-based economic model predictive control for generalised flow-based networks including actuators' health-aware capabilities. *INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE*. Vol. 26, núm. 3, p. 641-654. ISSN 1641-876X. DOI [10.1515/amcs-2016-0044](https://doi.org/10.1515/amcs-2016-0044).
Factor impacte 2016 = 1.420 – Q1
115. Guadayol, M.; Cortina, M.; Guadayol, J.M.; Caixach, J., 2016. Determination of dimethyl selenide and dimethyl sulphide compounds causing off-flavours in bottled mineral waters. *WATER RESEARCH*. Vol. 92, p. 149-155. ISSN 0043-1354. DOI [10.1016/j.watres.2016.01.016](https://doi.org/10.1016/j.watres.2016.01.016).
Factor impacte 2016 = 6.942 – Q1
116. Guedez, R.; Topel, M.; Perez-Segarra, C.M.; et al., 2016. A Methodology for Determining Optimum Solar Tower Plant Configurations and Operating Strategies to Maximize Profits Based on Hourly Electricity Market Prices and Tariffs. *JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME*. Vol. 138, núm. 2. ISSN 0199-6231. DOI [10.1115/1.4032244](https://doi.org/10.1115/1.4032244).
Factor impacte 2016 = 1.190 – Q3
117. Hassanabadi, A.; Shafiee, M.; Puig, V., 2016. Robust fault detection of singular LPV systems with multiple time-varying delays. *INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE*. Vol. 26, núm. 1, p. 45-61. ISSN 1641-876X. DOI [10.1515/amcs-2016-0004](https://doi.org/10.1515/amcs-2016-0004).
Factor impacte 2016 = 1.420 – Q1
118. Hassanabadi, A.; Shafiee, M.; Puig, V., 2016. UIO design for singular delayed LPV systems with application to actuator fault detection and isolation. *INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE*. Vol. 47, núm. 1, p. 107-121. ISSN 0020-7721. DOI [10.1080/00207721.2015.1029567](https://doi.org/10.1080/00207721.2015.1029567).
Factor impacte 2016 = 2.285 – Q1



119. Hayran, Z.; Turdnev, M.; [Botev, M.](#); [Herrero, R.](#); [Staliunas, K.](#); Kurt, Hamza, 2016. Numerical and experimental demonstration of a wavelength demultiplexer design by point-defect cavity coupled to a tapered photonic crystal waveguide. *OPTICS LETTERS*. Vol. 41, núm. 1, p. 119-122. ISSN 0146-9592. DOI [10.1364/OL.41.000119](#).
Factor impacte 2016 = 3.416 – Q1
120. Hong, C.; Zhang, J.; Du, W.; [Sallan, J.](#); [Lordan, O.](#), 2016. Cascading failures with local load redistribution in interdependent Watts-Strogatz networks. *INTERNATIONAL JOURNAL OF MODERN PHYSICS C*. Vol. 27, núm. 11. ISSN 0129-1831. DOI [10.1142/S012918311650131X](#).
Factor impacte 2016 = 1.171 – Q3
121. [Hoyo, J.](#); [Guaus, E.](#); [Torrent-Burgues, J.](#), 2016. Influence of membrane galactolipids and surface pressure on plastoquinone behaviour. *BIOELECTROCHEMISTRY*. Vol. 111, p. 123-130. ISSN 1567-5394. DOI [10.1016/j.bioelechem.2016.06.002](#).
Factor impacte 2016 = 3.346 – Q1
122. [Hoyo, J.](#); [Guaus, E.](#); [Torrent-Burgues, J.](#), 2016. Monogalactosyldiacylglycerol and digalactosyldiacylglycerol role, physical states, applications and biomimetic monolayer films. *EUROPEAN PHYSICAL JOURNAL E*. Vol. 39, núm. 3. ISSN 1292-8941. DOI [10.1140/epje/i2016-16039-0](#).
Factor impacte 2016 = 1.464 – Q3
123. [Hutchinson, J.M.](#), 2016. The application of thermal analysis to the study of epoxy-clay nanocomposites. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. Vol. 125, núm. 2, p. 617-628. ISSN 1388-6150. DOI [10.1007/s10973-016-5278-0](#).
Factor impacte 2016 = 1.953 – Q2
124. Jarauta-Bragulat, E.; [Hervada-Sala, C.](#); Egozcue, J.J., 2016. Air Quality Index Revisited from a Compositional Point of View. *MATHEMATICAL GEOSCIENCES*. Vol. 48, núm. 5, p. 581-593. ISSN 1874-8961. DOI [10.1007/s11004-015-9599-5](#).
Factor impacte 2016 = 2.022 – Q1
125. Javidi, B.; Carnicer, A.; Yamaguchi, M.; Nomura, T.; [Perez-Cabre, E.](#); [Millan, M.S.](#) et al., 2016. Roadmap on optical security. *JOURNAL OF OPTICS*. Vol. 18, núm. 8. ISSN 2040-8978. DOI [10.1088/2040-8978/18/8/083001](#).
Factor impacte 2016 = 1.741 – Q2
126. Jha, A.; [Azcona, F.J.](#); [Royo, S.](#), 2016. Frequency-Modulated Optical Feedback Interferometry for Nanometric Scale Vibrometry. *IEEE PHOTONICS TECHNOLOGY LETTERS*. Vol. 28, núm. 11, p. 1217-1220. ISSN 1041-1135. DOI [10.1109/LPT.2016.2531790](#).
Factor impacte 2016 = 2.375 – Q2
127. Jimenez, N.; Pico, R.; Sanchez-Morcillo, V.; Romero-Garcia, V.; Garcia-Raffi, L.; [Staliunas, K.](#), 2016. Formation of high-order acoustic Bessel beams by spiral diffraction gratings. *PHYSICAL REVIEW E*. Vol. 94, núm. 5. ISSN 2470-0045. DOI [10.1103/PhysRevE.94.053004](#).
Factor impacte 2016 = 2.366 – Q1
128. Saucedo-Dorantes, J.J.; [Delgado Prieto, M.](#); [Ortega-Redondo, J.A.](#); Osornio-Rios, R.A.; Romero-Troncoso, R.J., 2016. Multiple-Fault Detection Methodology Based on Vibration and Current Analysis Applied to Bearings in Induction Motors and Gearboxes on the Kinematic Chain. *SHOCK AND VIBRATION*. ISSN 1070-9622. DOI [10.1155/2016/5467643](#).
Factor impacte 2016 = 1.281 – Q3
129. [Julio, G.](#); Campos, P.; [Pujol, P.](#); Munguia, A.; Mas-Aixala, E., 2016. Determining Factors for Fast Corneal Sensitivity Recovery After Pterygium Excision. *CORNEA*. Vol. 35, núm. 12, p. 1594-1599. ISSN 0277-3740. DOI [10.1097/ICO.0000000000000932](#).
Factor impacte 2016 = 2.010 – Q2
130. Keeler, L.W.; Wiek, A.; Lang, D.J.; Yokohari, M.; van Breda, J.; Olsson, L.; Ness, B.; [Morato, J.](#); Segalas, J.; Martens, P.; Bojórquez-Tapia, L.; Evans, J., 2016. Utilizing international networks for accelerating research and learning in transformational sustainability science. *SUSTAINABILITY SCIENCE*. Vol. 11, núm. 5, p. 749-762. ISSN 1862-4065. DOI [10.1007/s11625-016-0364-6](#).
Factor impacte 2016 = 3.429 – Q1
131. Konstantinou, G., Pou, J., [Capella, G.J.](#); Song, K.J.; Ceballos, S.; Agelidis, V.G., 2016. Interleaved Operation of Three-Level Neutral Point Clamped Converter Legs and Reduction of Circulating Currents Under SHE-PWM. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*. Vol. 63, núm. 6, p. 3323-3332. ISSN 0278-0046. DOI [10.1109/TIE.2016.2521729](#).
Factor impacte 2016 = 7.168 – Q1
132. Konstantinou, G., Pou, J., Ceballos, S.; Picas, R.; [Zaragoza, J.](#); Agelidis, V.G., 2016. Control of Circulating Currents in



- Modular Multilevel Converters Through Redundant Voltage Levels. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 11, p. 7761-7769. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2512842](https://doi.org/10.1109/TPEL.2015.2512842).
Factor impacte 2016 = 7.151 – Q1
133. Kumar, S.; [Herrero](#), R.; [Botey](#), M.; [Staliunas](#), K., 2016. Suppression of pattern-forming instabilities by genetic optimization. *PHYSICAL REVIEW E*. Vol. 94, núm. 1. ISSN 2470-0045. DOI [10.1103/PhysRevE.94.010202](https://doi.org/10.1103/PhysRevE.94.010202).
Factor impacte 2016 = 2.366 – Q1
134. Laguna-Gutierrez, E.; Saiz-Arroyo, C.; [Velasco](#), J.I.; Rodriguez-Perez, M.A., 2016. Low density polyethylene/silica nanocomposite foams. Relationship between chemical composition, particle dispersion, cellular structure and physical properties. *EUROPEAN POLYMER JOURNAL*. Vol. 81, p. 173-185. ISSN 0014-3057. DOI [10.1016/j.eurpolymj.2016.06.001](https://doi.org/10.1016/j.eurpolymj.2016.06.001).
Factor impacte 2016 = 3.531 – Q1
135. Lan, B.L.; [Masoller](#), C., 2016. Heavy-Tailed Fluctuations in the Spiking Output Intensity of Semiconductor Lasers with Optical Feedback. *PLOS ONE*. Vol. 11, núm. 2. ISSN 1932-6203. DOI [10.1371/journal.pone.0150027](https://doi.org/10.1371/journal.pone.0150027).
Factor impacte 2016 = 2.806 – Q1
136. Lauk, P.; Hueso, J.; Kartushinsky, A.; Tisler, S.; Tahemaa, T.; Polonsky, A., 2016. Assemblage of turbulent jet flows through static particulate media. *PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES*. Vol. 65, núm. 3, p. 284-296. ISSN 1736-6046. DOI [10.3176/proc.2016.3.05](https://doi.org/10.3176/proc.2016.3.05).
Factor impacte 2016 = 0.737 – Q3
137. Liisberg, J.; Moller, J.K.; Bloem, H.; Cipriano, J.; Mor, G.; Madsen, H., 2016. Hidden Markov Models for indirect classification of occupant behaviour. *SUSTAINABLE CITIES AND SOCIETY*. Vol. 27, p. 83-98. ISSN 2210-6707. DOI [10.1016/j.scs.2016.07.001](https://doi.org/10.1016/j.scs.2016.07.001).
Factor impacte 2016 = 1.777 – Q2
138. Liu, Q.; Mantilla, P.; Montes, M.; Romero, P.; [Martorell](#), J., 2016. UV-Induced Oxygen Removal for Photostable, High-Efficiency PTB7-Th:PC71BM Photovoltaic Cells. *ACS APPLIED MATERIALS & INTERFACES*. Vol. 8, núm. 42, p. 28750-28756. ISSN 1944-8244. DOI [10.1021/acsami.6b07985](https://doi.org/10.1021/acsami.6b07985).
Factor impacte 2016 = 7.504 – Q1
139. Liu, Y.; Sakamoto, S.; Matsuo, K.; Ikeda, M.; Barolli, L.; [Xhafa](#), F., 2016. A comparison study for two fuzzy-based systems: improving reliability and security of JXTA-overlay P2P platform. *SOFT COMPUTING*. Vol. 20, núm. 7, p. 2677-2687. ISSN 1432-7643. DOI [10.1007/s00500-015-1667-8](https://doi.org/10.1007/s00500-015-1667-8).
Factor impacte 2016 = 2.472 – Q2
140. Liu, Z.Y.; [Magana](#), A.; [Quintanilla](#), R., 2016. On the time decay of solutions for non-simple elasticity with voids. *ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK*. Vol. 96, núm. 7, p. 857-873. ISSN 0044-2267. DOI [10.1002/zamm.201400290](https://doi.org/10.1002/zamm.201400290).
Factor impacte 2016 = 1.332 – Q2
141. [Lluch](#), S.; [Julio](#), G.; [Pujol](#), P.; [Merindano](#), D., 2016. What biomarkers explain about pterygium OCT pattern. *GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY*. Vol. 254, núm. 1, p. 143-148. ISSN 0721-832X. DOI [10.1007/s00417-015-3186-9](https://doi.org/10.1007/s00417-015-3186-9).
Factor impacte 2016 = 2.349 – Q2
142. [Lopez-Grimau](#), V.; [Vilaseca](#), M.; [Gutierrez-Bouzan](#), C., 2016. Comparison of different wastewater treatments for colour removal of reactive dye baths. A: , *DESALINATION AND WATER TREATMENT*. Vol. 57, núm. 6, SI, p. 2685-2692. ISSN 1944-3994. DOI [10.1080/19443994.2015.1031185](https://doi.org/10.1080/19443994.2015.1031185).
Factor impacte 2016 = 1.631 – Q2
143. Lopez, I.; Ceballos, S.; Pou, J.; [Zaragoza](#), J.; Andreu, J.; Kortabarria, I.; Agelidis, V.G., 2016. Modulation Strategy for Multiphase Neutral-Point-Clamped Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 2, p. 928-941. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2416911](https://doi.org/10.1109/TPEL.2015.2416911).
Factor impacte 2016 = 7.151 – Q1
144. [Lordan](#), O.; [Sallan](#), J.M.; Escorihuela, N.; Gonzalez-Prieto, D., 2016. Robustness of airline route networks. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. Vol. 445, p. 18-26. ISSN 0378-4371. DOI [10.1016/j.physa.2015.10.053](https://doi.org/10.1016/j.physa.2015.10.053).
Factor impacte 2016 = 2.243 – Q1
145. [Lordan](#), O.; [Sallan](#), J.M.; Valenzuela-Arroyo, M., 2016. Forecasting of taxi times: The case of Barcelona-El Prat airport. *JOURNAL OF AIR TRANSPORT MANAGEMENT*. Vol. 56, núm. B, SI, p. 118-122. ISSN 0969-6997. DOI [10.1016/j.jairtraman.2016.04.015](https://doi.org/10.1016/j.jairtraman.2016.04.015).



Factor impacte 2016 = 2.357 – Q2

146. Luis, D.P.; Lopez, J.; [MasPOCH](#), M.L.; Franco-Urquiza, E.; Saint-Martin, H., 2016. Methane hydrate: shifting the coexistence temperature to higher temperatures with an external electric field. *MOLECULAR SIMULATION*. Vol. 42, núm. 12, p. 1014-1023. ISSN 0892-7022. DOI [10.1080/08927022.2016.1139704](#).

Factor impacte 2016 = 1.254 – Q4

147. Maesta, F.; García, O.; García, C.; [Lis](#), M.; Faria, F., 2016. Controlled release of microencapsulated citronella essential oil on cotton and polyester matrices. *CELLULOSE*. Vol. 23, núm. 2, p. 1459-1470. ISSN 0969-0239. DOI [10.1007/s10570-016-0882-5](#).

Factor impacte 2016 = 3.417 – Q1

148. [Magana](#), A.; [Quintanilla](#), R., 2016. Exponential decay in nonsimple thermoelasticity of type III. *MATHEMATICAL METHODS IN THE APPLIED SCIENCES*. Vol. 39, núm. 2, p. 225-235. ISSN 0170-4214. DOI [10.1002/mma.3472](#).

Factor impacte 2016 = 1.017 – Q2

149. Mariano, M.; Kozyreff, G.; Gerling, L.G.; Romero-Gomez, P.; Puigdollers, J.; Bravo-Abad, J.; [Martorell](#), J., 2016. Intermittent chaos for ergodic light trapping in a photonic fiber plate. *LIGHT-SCIENCE & APPLICATIONS*. Vol. 5. ISSN 2047-7538. DOI [10.1038/lsa.2016.216](#).

Factor impacte 2016 = 14.098 – Q1

150. Marti-Herrero, J.; Flores, T.; Alvarez, R.; Perez, D., 2016. How to report biogas production when monitoring small-scale digesters in field. *BIOMASS & BIOENERGY*. Vol. 84, p. 31-36. ISSN 0961-9534. DOI [10.1016/j.biombioe.2015.11.004](#).

Factor impacte 2016 = 3.219 – Q2

151. Martin, S.R.; Genesca, M.; [Romeu](#), J.; [Clot](#), A., 2016. Aircraft localization using a passive acoustic method. Experimental test. *AEROSPACE SCIENCE AND TECHNOLOGY*. Vol. 48, p. 246-253. ISSN 1270-9638. DOI [10.1016/j.ast.2015.11.023](#).

Factor impacte 2016 = 2.057 – Q1

152. [Martinez](#), A.B.; Leon, N.; [Arencon](#), D.; [Sanchez-Soto](#), M., 2016. Essential work of fracture, crack tip opening displacement, and J-integral relationship for a ductile polymer film. *POLYMER TESTING*. Vol. 55, p. 247-256. ISSN 0142-9418. DOI [10.1016/j.polymertesting.2016.09.004](#).

Factor impacte 2016 = 2.464 – Q1

153. [Martinez](#), A.B.; Salazar, A.; Leon, N.; [llescas](#), S.; Rodriguez, J., 2016. Influence of the notch-sharpening technique on styrene-acrylonitrile fracture behavior. *JOURNAL OF APPLIED POLYMER SCIENCE*. Vol. 133, núm. 32. ISSN 0021-8995. DOI [10.1002/app.43775](#).

Factor impacte 2016 = 1.860 – Q2

154. [Martinez-Roda](#), J.A.; [Vilaseca](#), M.; [Ondategui-Parra](#), J.C.; [Almudi](#), L.; [Asaad](#), M.; Mateos-Pena, L.; [Arjona](#), M.; [Pujol](#), J., 2016. Double-pass technique and compensation-comparison method in eyes with cataract. *JOURNAL OF CATARACT AND REFRACTIVE SURGERY*. Vol. 42, núm. 10, p. 1461-1469. ISSN 0886-3350. DOI [10.1016/j.jcrs.2016.08.015](#).

Factor impacte 2016 = 2.687 – Q2

155. [Martinez-Roda](#), J.A.; [Vilaseca](#), M.; [Ondategui-Parra](#), J.C.; Aguirre, M.; [Pujol](#), J., 2016. Effects of aging on optical quality and visual function. *CLINICAL AND EXPERIMENTAL OPTOMETRY*. Vol. 99, núm. 6, p. 518-525. ISSN 0816-4622. DOI [10.1111/cxo.12369](#).

Factor impacte 2016 = 1.256 – Q4

156. Mas-Aixala, E.; [Gispets](#), J.; [Lupon](#), N.; [Cardona](#), G., et al., 2016. The variability of corneal and anterior segment parameters in keratoconus. *CONTACT LENS & ANTERIOR EYE*. Vol. 39, núm. 6, p. 466-470. ISSN 1367-0484. DOI [10.1016/j.clae.2016.05.003](#).

Factor impacte 2016 = 1.783 – Q3

157. Miguel, J.; Caballé, S.; [Xhafaf](#), F.; Prieto, J.; Barolli, L., 2016. A methodological approach for trustworthiness assessment and prediction in mobile online collaborative learning. *COMPUTER STANDARDS & INTERFACES*. Vol. 44, p. 122-136. ISSN 0920-5489. DOI [10.1016/j.csi.2015.04.008](#).

Factor impacte 2016 = 1.633 – Q2

158. [Millan](#), M.S.; [Vega](#), F.; Rios-Lopez, I., 2016. Polychromatic Image Performance of Diffractive Bifocal Intraocular Lenses: Longitudinal Chromatic Aberration and Energy Efficiency. *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*. Vol. 57, núm. 4, p. 2021-2028. ISSN 0146-0404. DOI [10.1167/iovs.15-18861](#).

Factor impacte 2016 = 3.303 – Q1



159. Miranville, A.; [Quintanilla](#), R., 2016. A Caginalp phase-field system based on type III heat conduction with two temperatures. *QUARTERLY OF APPLIED MATHEMATICS*. Vol. 74, núm. 2, p. 375-398. ISSN 0033-569X. DOI [10.1090/qam/1430](#).
Factor impacte 2016 = 0.788 – Q3
160. Miranville, A.; [Quintanilla](#), R., 2016. On the Caginalp phase-field systems with two temperatures and the Maxwell-Cattaneo law. *MATHEMATICAL METHODS IN THE APPLIED SCIENCES*. Vol. 39, núm. 15, p. 4385-4397. ISSN 0170-4214. DOI [10.1002/mma.3867](#).
Factor impacte 2016 = 1.017 – Q2
161. Mohammadi, M.; Javad, M.; Madadi, H.; [Sellares](#), J.; [Casals-Terre](#), J., 2016. A new approach to design an efficient micropost array for enhanced direct-current insulator-based dielectrophoretic trapping. *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*. Vol. 408, núm. 19, p. 5285-5294. ISSN 1618-2642. DOI [10.1007/s00216-016-9629-2](#).
Factor impacte 2016 = 3.431 – Q1
162. Monadi, M.; Zamani, M.A.; Koch-Ciobotaru, C.; [Candela](#), J.I.; [Rodriguez](#), P., 2016. A communication-assisted protection scheme for direct-current distribution networks. *ENERGY*. Vol. 109, p. 578-591. ISSN 0360-5442. DOI [10.1016/j.energy.2016.04.118](#).
Factor impacte 2016 = 4.520 – Q1
163. Monadi, M.; Koch-Ciobotaru, C.; [Luna](#), A.; [Candela](#), J.I.; [Rodriguez](#), P., 2016. Multi-terminal MVDC grids fault location and isolation. *IET GENERATION TRANSMISSION & DISTRIBUTION*. Vol. 10, núm. 14, p. 3517-3528. ISSN 1751-8687. DOI [10.1049/iet-gtd.2016.0183](#).
Factor impacte 2016 = 2.213 – Q2
164. [Montanya](#), J.; [Fabro](#), F.; [Van Der Velde](#), O.; March, V.; Williams, E.R.; Pineda, N.; [Romero](#), D.; [Sola](#), G.; Freijo, M., 2016. Global distribution of winter lightning: a threat to wind turbines and aircraft. *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES*. Vol. 16, núm. 6, p. 1465-1472. ISSN 1561-8633. DOI [10.5194/nhess-16-1465-2016](#).
Factor impacte 2016 = 2.510 – Q1
165. Monterrubio, C.; Pascual-Pasto, G.; [Cano](#), F.; Vila-Ubach, M.; Manzanares, A.; Schaiqueviche, P.; [Tornero](#), J.A.; Sosnik, A.; Mora, J.; Montero, A., 2016. SN-38-loaded nanofiber matrices for local control of pediatric solid tumors after subtotal resection surgery. *BIOMATERIALS*. Vol. 79, p. 69-78. ISSN 0142-9612. DOI [10.1016/j.biomaterials.2015.11.055](#).
Factor impacte 2016 = 8.402 – Q1
166. Morales-Ruiz, S.; [Rigola](#), J.; [Oliet](#), C.; [Oliva](#), A., 2016. Analysis and design of a drain water heat recovery storage unit based on PCM plates. *APPLIED ENERGY*. Vol. 179, p. 1006-1019. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.07.067](#).
Factor impacte 2016 = 7.182 – Q1
167. [Morcego](#), B.; Argiles, M.; Cabrerizo, M.; [Cardona](#), G.; [Perez](#), R.; [Perez-Cabre](#), E.; [Gispets](#), J., 2016. Blinking supervision in a working environment. *JOURNAL OF BIOMEDICAL OPTICS*. Vol. 21, núm. 2. ISSN 1083-3668. DOI [10.1117/1.JBO.21.2.025005](#).
Factor impacte 2016 = 2.530 – Q2
168. [Muela](#), J.; [Martinez](#), D.; [Lehmkuhl](#), O.; [Perez-Segarra](#), C.; [Oliva](#), A., 2016. New parallel method for adjacent disconnected unstructured 3D meshes. *INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS*. Vol. 30, núm. 6, p. 388-394. ISSN 1061-8562. DOI [10.1080/10618562.2016.1205187](#).
Factor impacte 2016 = 0.938 – Q4
169. Munoz Rivera, J.E.; Naso, M.G.; [Quintanilla](#), R., 2016. Decay of solutions for a mixture of thermoelastic solids with different temperatures. *COMPUTERS & MATHEMATICS WITH APPLICATIONS*. Vol. 71, núm. 4, p. 991-1009. ISSN 0898-1221. DOI [10.1016/j.camwa.2016.01.010](#).
Factor impacte 2016 = 1.531 – Q1
170. Oda, T.; Elmazi, D.; Barolli, A.; Sakamoto, S.; Barolli, L.; [Xhafa](#), F., 2016. A genetic algorithm-based system for Wireless Mesh Networks: analysis of system data considering different routing protocols and architectures. *SOFT COMPUTING*. Vol. 20, núm. 7, p. 2627-2640. ISSN 1432-7643. DOI [10.1007/s00500-015-1663-z](#).
Factor impacte 2016 = 2.472 – Q2
171. Ortiz, J.; Fonseca, A.; Salom, J.; [Garrido](#), N.; Fonseca, P.; Russo, V., 2016. Comfort and economic criteria for selecting passive measures for the energy refurbishment of residential buildings in Catalonia. *ENERGY AND BUILDINGS*. Vol. 110, p. 195-210. ISSN 0378-7788. DOI [10.1016/j.enbuild.2015.10.022](#).
Factor impacte 2016 = 4.067 – Q1



172. Ortiz, J.; Fonseca, A.; Salom, J. [Garrido](#), N.; Fonseca, P., 2016. Cost-effective analysis for selecting energy efficiency measures for refurbishment of residential buildings in Catalonia. *ENERGY AND BUILDINGS*. Vol. 128, p. 442-457. ISSN 0378-7788. DOI [10.1016/j.enbuild.2016.06.059](#).
Factor impacte 2016 = 4.067 – Q1
173. Papachristou, I.A.; [Rosas-Casals](#), M., 2016. Unveiling connectivity patterns of categories in complex systems: An application to human needs in urban places. *JOURNAL OF MATHEMATICAL SOCIOLOGY*. Vol. 40, núm. 4, p. 219-238. ISSN 0022-250X. DOI [10.1080/0022250X.2016.1219855](#).
Factor impacte 2016 = 0.567 – Q3
174. Peralvarez-Marin, A.; [Garriga](#), P., 2016. Optogenetics Comes of Age: Novel Inhibitory Light-Gated Anionic Channels Allow Efficient Silencing of Neural Function. *CHEMBIOCHEM*. Vol. 17, núm. 3, p. 204-206. ISSN 1439-4227. DOI [10.1002/cbic.201500608](#).
Factor impacte 2016 = 2.847 – Q2
175. Perchoux, J.; Quotb, A.; Atashkhomei, R.; [Azcona](#), F. J.; Ramírez, E.; Bernal, O.; Jha, A.; Luna, A.; [Yañez](#), C.; [Caum](#), J.; Bosch, T.; [Royo](#), S., 2016. Current Developments on Optical Feedback Interferometry as an All-Optical Sensor for Biomedical Applications. *SENSORS*. Vol. 16, núm. 5. ISSN 1424-8220. DOI [10.3390/s16050694](#).
Factor impacte 2016 = 2.677 – Q1
176. Perego, A.M.; Tarasov, N.; Churkin, D.V.; Turitsyn, S.K.; [Staliunas](#), K., 2016. Pattern Generation by Dissipative Parametric Instability. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 2. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.028701](#).
Factor impacte 2016 = 8.462 – Q1
177. Perelshtein, I.; Lipovsky, A.; Perkas, N.; [Tzanov](#), T.; Gedanken, A., 2016. Sonochemical co-deposition of antibacterial nanoparticles and dyes on textiles. *BEILSTEIN JOURNAL OF NANOTECHNOLOGY*. Vol. 7, p. 1-8. ISSN 2190-4286. DOI [10.3762/bjnano.7.1](#).
Factor impacte 2016 = 3.127 – Q1
178. Perez-Zanon, N.; [Casas-Castillo](#), M.C.; Rodriguez-Sola, R.; Peña, J.C.; Rius, A.; Sole, J.C. Germán; Redano, A., 2016. Analysis of extreme rainfall in the Ebre Observatory (Spain). *THEORETICAL AND APPLIED CLIMATOLOGY*. Vol. 124, núm. 3-4, p. 935-944. ISSN 0177-798X. DOI [10.1007/s00704-015-1476-0](#).
Factor impacte 2016 = 2.640 – Q2
179. Petkova, P.; Francesko, A.; Perelshtein, I.; Gedanken, A.; [Tzanov](#), T., 2016. Simultaneous sonochemical-enzymatic coating of medical textiles with antibacterial ZnO nanoparticles. *ULTRASONICS SONOCHEMISTRY*. Vol. 29, p. 244-250. ISSN 1350-4177. DOI [10.1016/j.ultsonch.2015.09.021](#).
Factor impacte 2016 = 4.218 – Q1
180. Picas, R.; [Zaragoza](#), J.; Pou, J.; Ceballos, S.; [Balcells](#), J., 2016. New Measuring Technique for Reducing the Number of Voltage Sensors in Modular Multilevel Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 1, p. 177-187. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2412658](#).
Factor impacte 2016 = 7.151 – Q1
181. Pigolotti, S.; Benzi, R., 2016. Competition between fast- and slow-diffusing species in non-homogeneous environments. *JOURNAL OF THEORETICAL BIOLOGY*. Vol. 395, p. 204-210. ISSN 0022-5193. DOI [10.1016/j.jtbi.2016.01.033](#).
Factor impacte 2016 = 2.113 – Q1
182. Pigolotti, S.; Sartori, P., 2016. Protocols for Copying and Proofreading in Template-Assisted Polymerization. *JOURNAL OF STATISTICAL PHYSICS*. Vol. 162, núm. 5, SI, p. 1167-1182. ISSN 0022-4715. DOI [10.1007/s10955-015-1399-2](#).
Factor impacte 2016 = 1.349 – Q3
183. Pineda, N.; Rigo, T.; [Montaña](#), J.; [Van Der Velde](#), O., 2016. Charge structure analysis of a severe hailstorm with predominantly positive cloud-to-ground lightning. *ATMOSPHERIC RESEARCH*. Vol. 178, p. 31-44. ISSN 0169-8095. DOI [10.1016/j.atmosres.2016.03.010](#).
Factor impacte 2016 = 3.778 – Q1
184. Pop, F.; Dobre, C.; Mocanu, B.; Citoteanu, O.; [Xhafa](#), F., 2016. Trust models for efficient communication in Mobile Cloud Computing and their applications to e-Commerce. *ENTERPRISE INFORMATION SYSTEMS*. Vol. 10, núm. 9, p. 982-1000. ISSN 1751-7575. DOI [10.1080/17517575.2015.1100756](#).
Factor impacte 2016 = 1.908 – Q2
185. Pozo, F.; [Pujol](#), G.; Acho, L., 2016. Vibration control of hysteretic base-isolated structures: an LMI approach. *SMART STRUCTURES AND SYSTEMS*. Vol. 17, núm. 2, p. 195-208. ISSN 1738-1584. DOI [10.12989/sss.2016.17.2.195](#)



Factor impacte 2016 = 1.382 – Q2

186. [Pujol](#), G.; Vidal, Y.; Acho, L.; Vargas, A.N., 2016. Asymmetric modelling and control of an electronic throttle. *INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS*. Vol. 29, núm. 2, p. 192-204. ISSN 0894-3370. DOI [10.1002/inm.2063](#).
Factor impacte 2016 = 0.622 – Q4
187. Pujol-Vila, F.; Vignes, N.; ... [Valles](#), B.; [Riva](#), M.C.; et al., 2016. Paper-based chromatic toxicity bioassay by analysis of bacterial ferricyanide reduction. *ANALYTICA CHIMICA ACTA*. Vol. 910, p. 60-67. ISSN 0003-2670. DOI [10.1016/j.aca.2016.01.006](#).
Factor impacte 2016 = 4.950 – Q1
188. [Quintero-Quiroz](#), C.; [Tiana-Alsina](#), J.; Roma, J.; [Torrent](#), M.C.; [Masoller](#), C., 2016. Quantitative identification of dynamical transitions in a semiconductor laser with optical feedback. *SCIENTIFIC REPORTS*. Vol. 6. ISSN 2045-2322. DOI [10.1038/srep37510](#).
Factor impacte 2016 = 4.259 – Q1
189. Rahhali, A.; [Carrillo](#), F.; [Macanas](#), J.; [Canavate](#), J.; [Colom](#), X., 2016. [Thermoplastic composite materials loaded with protein-based biogenic waste: influence of particle size](#). *AFINIDAD*. Vol. 73, núm. 573, p. 16-25. ISSN 0001-9704.
Factor impacte 2016 = 0.289 – Q4
190. Rakhshani, E.; [Remon](#), D.; Mir, A.; Martinez, J.; [Rodríguez](#), P., 2016. Modeling and sensitivity analyses of VSP based virtual inertia controller in HVDC links of interconnected power systems. *ELECTRIC POWER SYSTEMS RESEARCH*. Vol. 141, p. 246-263. ISSN 0378-7796. DOI [10.1016/j.epsr.2016.07.025](#).
Factor impacte 2016 = 2.688 – Q2
191. Rakhshani, E.; [Remon](#), D.; Mir, A.; [Rodríguez](#), P., 2016. Analysis of derivative control based virtual inertia in multi-area HVDC interconnected AGC power Systems. *IET GENERATION TRANSMISSION & DISTRIBUTION*. Vol. 10, núm. 6, p. 1458-1469. ISSN 1751-8687. DOI [10.1049/iet-gtd.2015.1110](#).
Factor impacte 2016 = 2.213 – Q2
192. Rakhshani, E.; [Remon](#), D.; [Rodríguez](#), P., 2016. Effects of PLL and frequency measurements on LFC problem in multi-area HVDC interconnected systems. *INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS*. Vol. 81, p. 140-152. ISSN 0142-0615. DOI [10.1016/j.ijepes.2016.02.011](#).
Factor impacte 2016 = 3.289 – Q1
193. [Rausch](#), G.; [Castilla](#), R.; [Gamez-Montero](#), P.J.; Wojciechowski, J.; [Codina](#) E., 2016. Flexible Rod Design for Educational Wind Balance. *EXPERIMENTAL TECHNIQUES*. Vol. 40, núm. 1, p. 111-119. ISSN 0732-8818. DOI [10.1007/s40799-016-0017-9](#).
Factor impacte 2016 = 0.932 – Q3
194. [Realinho](#), V.; [Antunes](#), M.; [Velasco](#), J.I., 2016. Enhanced fire behavior of Casico-based foams. *POLYMER DEGRADATION AND STABILITY*. Vol. 128, p. 260-268. ISSN 0141-3910. DOI [10.1016/j.polymdegradstab.2016.03.029](#).
Factor impacte 2016 = 3.386 – Q1
195. Recio-Sanchez, G. ; Pelaez, R.J.; [Vega](#), F.; Martin-Palma, R. J., 2016. Nanoporous silicon-based surface patterns fabricated by UV laser interference techniques for biological applications. *JOURNAL OF PHYSICS D-APPLIED PHYSICS*. Vol. 49, núm. 22. ISSN 0022-3727. DOI [10.1088/0022-3727/49/22/225401](#).
Factor impacte 2016 = 2.588 – Q2
196. Reinoso, J.A.; [Torrent](#), M.C.; [Masoller](#), C., 2016. Analysis of noise-induced temporal correlations in neuronal spike sequences. A: , *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS*. Vol. 225, núm. 13-14, p. 2689-2696. ISSN 1951-6355. DOI [10.1140/epjst/e2016-60024-6](#).
Factor impacte 2016 = 1.862 – Q2
197. Reinoso, J.A.; [Torrent](#), M.C.; [Masoller](#), C., 2016. Emergence of spike correlations in periodically forced excitable systems. *PHYSICAL REVIEW E*. Vol. 94, núm. 3. ISSN 2470-0045. DOI [10.1103/PhysRevE.94.032218](#).
Factor impacte 2016 = 2.366 – Q1
198. [Remon](#), D.; Mir, A.; [Rodríguez](#), P., 2016. Equivalent Model of Large-Scale Synchronous Photovoltaic Power Plants. *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*. Vol. 52, núm. 6, p. 5029-5040. ISSN 0093-9994. DOI [10.1109/TIA.2016.2598718](#).
Factor impacte 2016 = 2.937 – Q1
199. [Riba](#), J.R.; Canals, T.; Cantero, R., 2016. Identification of NR and EPDM samples by means of thermogravimetric analysis



- and multivariate methods. *IEEE SENSORS JOURNAL*. Vol. 16, núm. 21, p. 7705-7712. ISSN 1530-437X. DOI [10.1109/JSEN.2016.2603172](https://doi.org/10.1109/JSEN.2016.2603172).
Factor impacte 2016 = 2.512 – Q1
200. [Riba, J.R.](#); [Lopez-Torres, C.](#); [Romeral, L.](#); [Garcia, A.](#), 2016. Rare-earth-free propulsion motors for electric vehicles: A technology review. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 57, p. 367-379. ISSN 1364-0321. DOI [10.1016/j.rser.2015.12.121](https://doi.org/10.1016/j.rser.2015.12.121).
Factor impacte 2016 = 8.050 – Q1
201. [Robles, D.](#); [Puig, V.](#); [Ocampo-Martinez, C.A.](#); [Garza, L.](#), 2016. Reliable fault-tolerant model predictive control of drinking water transport networks. *CONTROL ENGINEERING PRACTICE*. Vol. 55, p. 197-211. ISSN 0967-0661. DOI [10.1016/j.conengprac.2016.06.014](https://doi.org/10.1016/j.conengprac.2016.06.014).
Factor impacte 2016 = 2.602 – Q2
202. [Rodriguez, C.](#); [Cuesta, I.I.](#); [MasPOCH, M.L.](#); [Belzunce, F.J.](#), 2016. Application of the miniature small punch test for the mechanical characterization of polymer materials. A. , *THEORETICAL AND APPLIED FRACTURE MECHANICS*. Vol. 86, núm. A, SI, p. 78-83. ISSN 0167-8442. DOI [10.1016/j.tafmec.2016.10.001](https://doi.org/10.1016/j.tafmec.2016.10.001).
Factor impacte 2016 = 2.659 – Q1
203. [Rodríguez, J.M.](#); [Carbonell, J.M.](#); [Cante, J.C.](#); [Oliver, J.](#), 2016. The particle finite element method (PFEM) in thermo-mechanical problems. *INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING*. Vol. 107, núm. 9, p. 733-785. ISSN 0029-5981. DOI [10.1002/nme.5186](https://doi.org/10.1002/nme.5186).
Factor impacte 2016 = 2.162 – Q1
204. [Rodriguez-Contreras, A.](#); [Koller, M.](#); [Braunegg, G.](#); [Marques-Calvo, M.S.](#), 2016. Poly[(R)-3-hydroxybutyrate] production under different salinity conditions by a novel *Bacillus megaterium* strain. *NEW BIOTECHNOLOGY*. Vol. 33, núm. 1, p. 73-77. ISSN 1871-6784. DOI [10.1016/j.nbt.2015.08.006](https://doi.org/10.1016/j.nbt.2015.08.006).
Factor impacte 2016 = 3.813 – Q1
205. [Rodriguez-Contreras, A.](#); [Marques-Calvo, M.S.](#); [Gil, F.J.](#); [Manero, J.M.](#), 2016. Modification of titanium surfaces by adding antibiotic-loaded PHB spheres and PEG for biomedical applications. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE*. Vol. 27, núm. 8, art. 124. ISSN 0957-4530. DOI [10.1007/s10856-016-5723-4](https://doi.org/10.1007/s10856-016-5723-4).
Factor impacte 2016 = 2.325 – Q2
206. [Rolan, A.](#); [Corcoles, F.](#); [Bogarrra, S.](#); [Monjo, L.](#); [Pedra, J.](#), 2016. Reduced-Order Models of Squirrel-Cage Induction Generators for Fixed-Speed Wind Turbines Under Unbalanced Grid Conditions. *IEEE TRANSACTIONS ON ENERGY CONVERSION*. Vol. 31, núm. 2, p. 566-577. ISSN 0885-8969. DOI [10.1109/TEC.2015.2504793](https://doi.org/10.1109/TEC.2015.2504793).
Factor impacte 2016 = 3.808 – Q1
207. [Roman, F.](#); [Colomer, P.](#); [Calventus, Y.](#); [Hutchinson, J.M.](#), 2016. Molecular Mobility in Hyperbranched Polymers and Their Interaction with an Epoxy Matrix. *MATERIALS*. Vol. 9, núm. 3. ISSN 1996-1944. DOI [10.3390/ma9030192](https://doi.org/10.3390/ma9030192).
Factor impacte 2016 = 2.654 – Q2
208. [Romeu, J.](#); [Cotrina, L.](#); [Perapoch, J.](#); [Linés, M.](#), 2016. Assessment of environmental noise and its effect on neonates in a Neonatal Intensive Care Unit. *APPLIED ACOUSTICS*. Vol. 111, p. 161-169. ISSN 0003-682X. DOI [10.1016/j.apacoust.2016.04.014](https://doi.org/10.1016/j.apacoust.2016.04.014).
Factor impacte 2016 = 1.921 – Q2
209. [Rotondo, D.](#); [Fernandez-Canti, R.M.](#); [Tornil-Sin, S.](#); [Blesa, J.](#); [Puig, V.](#), 2016. Robust fault diagnosis of proton exchange membrane fuel cells using a Takagi-Sugeno interval observer approach. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. Vol. 41, núm. 4, p. 2875-2886. ISSN 0360-3199. DOI [10.1016/j.ijhydene.2015.12.071](https://doi.org/10.1016/j.ijhydene.2015.12.071).
Factor impacte 2016 = 3.582 – Q1
210. [Rotondo, D.](#); [Lopez-Estrada, F.R.](#); [Nejjari, F.](#); [Ponsart, J.C.](#); [Theilliol, D.](#); [Puig, V.](#), 2016. Actuator multiplicative fault estimation in discrete-time LPV systems using switched observers. *JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS*. Vol. 353, núm. 13, p. 3176-3191. ISSN 0016-0032. DOI [10.1016/j.franklin.2016.06.007](https://doi.org/10.1016/j.franklin.2016.06.007).
Factor impacte 2016 = 3.139 – Q1
211. [Rotondo, D.](#); [Nejjari, F.](#); [Puig, V.](#), 2016. Dilated LMI characterization for the robust finite time control of discrete-time uncertain linear systems. *AUTOMATICA*. Vol. 63, p. 16-20. ISSN 0005-1098. DOI [10.1016/j.automatica.2015.10.003](https://doi.org/10.1016/j.automatica.2015.10.003).
Factor impacte 2016 = 5.451 – Q1
212. [Rotondo, D.](#); [Nejjari, F.](#); [Puig, V.](#), 2016. Fault tolerant control of a proton exchange membrane fuel cell using Takagi-Sugeno virtual actuators. *JOURNAL OF PROCESS CONTROL*. Vol. 45, p. 12-29. ISSN 0959-1524. DOI



- [10.1016/j.jprocont.2016.06.001](https://doi.org/10.1016/j.jprocont.2016.06.001).
Factor impacte 2016 = 2.700 – Q2
213. [Rotondo](#), D.; [Witczak](#), M.; [Puig](#), V.; [Nejjari](#), F.; [Pazera](#), M., 2016. Robust unknown input observer for state and fault estimation in discrete-time Takagi-Sugeno systems. *INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE*. Vol. 47, núm. 14, p. 3409-3424. ISSN 0020-7721. DOI [10.1080/00207721.2016.1165898](https://doi.org/10.1080/00207721.2016.1165898).
Factor impacte 2016 = 2.285 – Q1
214. [Rouzbehi](#), K.; [Candela](#), J.I.; [Luna](#), A.; [Gharehpetian](#), G.B.; [Rodríguez](#), P., 2016. Flexible Control of Power Flow in Multiterminal DC Grids Using DC-DC Converter. *IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS*. Vol. 4, núm. 3, SI, p. 1135-1144. ISSN 2168-6777. DOI [10.1109/JESTPE.2016.2574458](https://doi.org/10.1109/JESTPE.2016.2574458).
Factor impacte 2016 = 4.269 – Q1
215. [Saez-de Ibarra](#), A.; [Martinez-Laserna](#), E.; [Stroe](#), D.I.; [Swierczynski](#), M.; [Rodríguez](#), P., 2016. Sizing study of second life li-ion batteries for enhancing renewable energy grid integration. *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*. Vol. 52, núm. 6, p. 4999-5008. ISSN 0093-9994. DOI [10.1109/TIA.2016.2593425](https://doi.org/10.1109/TIA.2016.2593425).
Factor impacte 2016 = 2.937 – Q1
216. [Sala](#), M.; [Lopez-Grimau](#), V.; [Gutierrez-Bouzan](#), C., 2016. Photoassisted Electrochemical Treatment of Azo and Phtalocyanine Reactive Dyes in the Presence of Surfactants. *MATERIALS*. Vol. 9, núm. 3. ISSN 1996-1944. DOI [10.3390/ma9030211](https://doi.org/10.3390/ma9030211).
Factor impacte 2016 = 2.654 – Q2
217. [Salehifar](#), M.; [Moreno-Eguilaz](#), M., 2016. Fault diagnosis and fault-tolerant finite control set-model predictive control of a multiphase voltage-source inverter supplying BLDC motor. *ISA TRANSACTIONS*. Vol. 60, p. 143-155. ISSN 0019-0578. DOI [10.1016/j.isatra.2015.10.007](https://doi.org/10.1016/j.isatra.2015.10.007).
Factor impacte 2016 = 3.394
218. [Salehifar](#), M.; [Moreno-Eguilaz](#), M.; [Putrus](#), G.; [Barras](#), P., 2016. Simplified fault tolerant finite control set model predictive control of a five-phase inverter supplying BLDC motor in electric vehicle drive. *ELECTRIC POWER SYSTEMS RESEARCH*. Vol. 132, p. 56-66. ISSN 0378-7796. DOI [10.1016/j.epsr.2015.10.030](https://doi.org/10.1016/j.epsr.2015.10.030).
Factor impacte 2016 = 2.688 – Q2
219. [Sant](#), T.; [Del Campo](#), V.; [Micallef](#), D.; [Ferreira](#), C.S., 2016. Evaluation of the lifting line vortex model approximation for estimating the local blade flow fields in horizontal-axis wind turbines. *JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY*. Vol. 8, núm. 2. ISSN 1941-7012. DOI [10.1063/1.4942785](https://doi.org/10.1063/1.4942785).
Factor impacte 2016 = 1.135 – Q3
220. [Sanz](#), G.; [Perez](#), R.; [Zoran](#), K.; [Savic](#), D., 2016. Leak Detection and Localization through Demand Components Calibration. *JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT*. Vol. 142, núm. 2. ISSN 0733-9496. DOI [10.1061/\(ASCE\)WR.1943-5452.0000592](https://doi.org/10.1061/(ASCE)WR.1943-5452.0000592).
Factor impacte 2016 = 3.537 – Q1
221. [Sarrablo](#), V.; [Roviras](#), J.; [Sanchez](#), F.; [Gil](#), L., 2016. Envolvente del Centro de Arte Botín en Santander. Estudio de viabilidad de la solución con discos cerámicos roscados sobre chapa de aluminio. *INFORMES DE LA CONSTRUCCION*. Vol. 68, núm. 544, art. e165. ISSN 0020-0883. DOI [10.3989/ic.16.002.m15](https://doi.org/10.3989/ic.16.002.m15).
Factor impacte 2016 = 0.362 – Q4
222. [Schieber](#), T.A.; [Carpi](#), L.; [Frery](#), A.C.; [Rosso](#), O.A.; [Pardalos](#), P.M.; [Ravetti](#), M.G., 2016. Information theory perspective on network robustness. *PHYSICS LETTERS A*. Vol. 380, núm. 3, p. 359-364. ISSN 0375-9601. DOI [10.1016/j.physleta.2015.10.055](https://doi.org/10.1016/j.physleta.2015.10.055).
Factor impacte 2016 = 1.772 – Q2
223. [Schillaci](#), E.; [Jofre](#), L.; [Balcazar](#), N.; [Lehmkuhl](#), O.; [Oliva](#), A., 2016. A level-set aided single-phase model for the numerical simulation of free-surface flow on unstructured meshes. *COMPUTERS & FLUIDS*. Vol. 140, p. 97-110. ISSN 0045-7930. DOI [10.1016/j.compfluid.2016.09.014](https://doi.org/10.1016/j.compfluid.2016.09.014).
Factor impacte 2016 = 2.313 – Q1
224. [Seres](#), E.; [Seres](#), J.; [Serrat](#), C.; [Namba](#), S., 2016. Core-level attosecond transient absorption spectroscopy of laser-dressed solid films of Si and Zr. *PHYSICAL REVIEW B*. Vol. 94, núm. 16. ISSN 2469-9950. DOI [10.1103/PhysRevB.94.165125](https://doi.org/10.1103/PhysRevB.94.165125).
Factor impacte 2016 = 3.836 – Q2
225. [Serrat](#), C., 2016. Intrapulse x-ray parametric amplification in high-order-harmonic generation. *PHYSICAL REVIEW A*. Vol. 93, núm. 6. ISSN 2469-9926. DOI [10.1103/PhysRevA.93.063415](https://doi.org/10.1103/PhysRevA.93.063415).



Factor impacte 2016 = 2.925 – Q1

226. [Serrat](#), C.; [Roca](#), D.; [Budesca](#), J.M., et al., 2016. Avalanche of stimulated forward scattering in high harmonic generation. *OPTICS EXPRESS*. Vol. 24, núm. 8, p. 8028-8044. ISSN 1094-4087. DOI [10.1364/OE.24.008028](#).
Factor impacte 2016 = 3.307 – Q1
227. [Shiravand](#), F.; [Hutchinson](#), J.M.; [Calventus](#), Y., 2016. A novel comparative study of different layered silicate clay types on exfoliation process and final nanostructure of trifunctional epoxy nanocomposites. *POLYMER TESTING*. Vol. 56, p. 148-155. ISSN 0142-9418. DOI [10.1016/j.polymertesting.2016.10.007](#).
Factor impacte 2016 = 2.464 – Q1
228. [Soldevila](#), A.; [Blesa](#), J.; [Tornil-Sin](#), S.; [Duviella](#), E.; [Fernandez-Canti](#), R.M.; [Puig](#), V., 2016. Leak localization in water distribution networks using a mixed model-based/data-driven approach. *CONTROL ENGINEERING PRACTICE*. Vol. 55, p. 162-173. ISSN 0967-0661. DOI [10.1016/j.conengprac.2016.07.006](#).
Factor impacte 2016 = 2.602 – Q2
229. [Soriano](#), F.; [Moreno-Eguilaz](#), J.M.; [Alvarez](#), J.A.; [Riera](#), J., 2016. Topological analysis of powertrains for refuse-collecting vehicles based on real routes-Part I: Hybrid hydraulic powertrain. *INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY*. Vol. 17, núm. 5, p. 873-882. ISSN 1229-9138. DOI [10.1007/s12239-016-0085-y](#).
Factor impacte 2016 = 0.897 – Q4
230. [Soriano](#), F.; [Moreno-Eguilaz](#), J.M.; [Alvarez](#), J.A.; [Riera](#), J., 2016. Topological analysis of powertrains for refuse-collecting vehicles based on real routes-Part II: Hybrid electric powertrain. *INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY*. Vol. 17, núm. 5, p. 883-894. ISSN 1229-9138. DOI [10.1007/s12239-016-0086-x](#).
Factor impacte 2016 = 0.897 – Q4
231. [Srinivasan](#), S.; [Cordomí](#), A.; [Ramon](#), E.; [Garriga](#), P., 2016. Beyond spectral tuning: human cone visual pigments adopt different transient conformations for chromophore regeneration. *CELLULAR AND MOLECULAR LIFE SCIENCES*. Vol. 73, núm. 6, p. 1253-1263. ISSN 1420-682X. DOI [10.1007/s00018-015-2043-7](#).
Factor impacte 2016 = 5.788 – Q1
232. [Suarez](#), S.; [Roca](#), X.; [Gasso](#), S., 2016. Product-specific life cycle assessment of recycled gypsum as a replacement for natural gypsum in ordinary Portland cement: application to the Spanish context. *JOURNAL OF CLEANER PRODUCTION*. Vol. 117, p. 150-159. ISSN 0959-6526. DOI [10.1016/j.jclepro.2016.01.044](#).
Factor impacte 2016 = 5.715 – Q1
233. [Sun](#), C.; [Puig](#), V.; [Cembrano](#), M., 2016. Combining CSP and MPC for the operational control of water networks. *ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE*. Vol. 49, p. 126-140. ISSN 0952-1976. DOI [10.1016/j.engappai.2015.12.006](#).
Factor impacte 2016 = 2.894 – Q1
234. [Sun](#), H.; [Schiraldi](#), D.A.; [Chen](#), D.Y.; [Wang](#), D.Q.; [Sanchez-Soto](#), M., 2016. Tough Polymer Aerogels Incorporating a Conformal Inorganic Coating for Low Flammability and Durable Hydrophobicity. *ACS APPLIED MATERIALS & INTERFACES*. Vol. 8, núm. 20, p. 13051-13057. ISSN 1944-8244. DOI [10.1021/acsami.6b02829](#).
Factor impacte 2016 = 7.504 – Q1
235. [Suul](#), J.A.; [D'Arco](#), S.; [Rodriguez](#), P.; [Molinas](#), M., 2016. Impedance-compensated grid synchronisation for extending the stability range of weak grids with voltage source converters. A: , *IET GENERATION TRANSMISSION & DISTRIBUTION*. Vol. 10, núm. 6, SI, p. 1315-1326. ISSN 1751-8687. DOI [10.1049/iet-gtd.2015.0879](#).
Factor impacte 2016 = 2.213 – Q2
236. [Tarasov](#), N.; [Perego](#), A.M.; [Churkin](#), D.V.; [Staliunas](#), K.; [Turitsyn](#), S.K., 2016. Mode-locking via dissipative Faraday instability. *NATURE COMMUNICATIONS*. Vol. 7. ISSN 2041-1723. DOI [10.1038/ncomms12441](#).
Factor impacte 2016 = 12.124 – Q1
237. [Tena-Campos](#), M.; [Ramon](#), E.; [Lupala](#), C.S.; [Perez](#), J.J.; [Koch](#), K.W.; [Garriga](#), P., 2016. Zinc Is Involved in Depression by Modulating G Protein-Coupled Receptor Heterodimerization. *MOLECULAR NEUROBIOLOGY*. Vol. 53, núm. 3, p. 2003-2015. ISSN 0893-7648. DOI [10.1007/s12035-015-9153-y](#).
Factor impacte 2016 = 6.190 – Q1
238. [Thallinger](#), B.; [Brandauer](#), M.; [Burger](#), P.;... [Ivanova](#), K.;... [Tzanov](#), T.; et al., 2016. Cellobiose dehydrogenase functionalized urinary catheter as novel antibiofilm system. *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS*. Vol. 104, núm. 7, p. 1448-1456. ISSN 1552-4973. DOI [10.1002/jbm.b.33491](#).
Factor impacte 2016 = 3.189 – Q1



239. [Tirabassi](#), G.; [Masoller](#), C., 2016. Unravelling the community structure of the climate system by using lags and symbolic time-series analysis. *SCIENTIFIC REPORTS*. Vol. 6. ISSN 2045-2322. DOI [10.1038/srep29804](#).
Factor impacte 2016 = 4.259 – Q1
240. [Torras](#), S.; [Oliet](#), C.; [Rigola](#), J.; [Oliva](#), A., et al., 2016. Drain water heat recovery storage-type unit for residential housing. *APPLIED THERMAL ENGINEERING*. Vol. 103, p. 670-683. ISSN 1359-4311. DOI [10.1016/j.applthermaleng.2016.04.086](#).
Factor impacte 2016 = 3.356 – Q1
241. [Torrent-Burgues](#), J., 2016. Langmuir films study on lipid-containing artificial tears. *COLLOIDS AND SURFACES B-BIOINTERFACES*. Vol. 140, p. 185-188. ISSN 0927-7765. DOI [10.1016/j.colsurfb.2015.12.036](#).
Factor impacte 2016 = 3.887 – Q1
242. Trani, M.L.; Bossi, B.; [Gangoilels](#), M.; [Casals](#), M., 2016. Predicting fuel energy consumption during earthworks. *JOURNAL OF CLEANER PRODUCTION*. Vol. 112, núm. 5, p. 3798-3809. ISSN 0959-6526. DOI [10.1016/j.jclepro.2015.08.027](#).
Factor impacte 2016 = 5.715 – Q1
243. Travesset-Baro, O.; Gallachiir, B.P.O.; Jover, E.; [Rosas-Casals](#), M. et al., 2016. Transport energy demand in Andorra. Assessing private car futures through sensitivity and scenario analysis. *ENERGY POLICY*. Vol. 96, p. 78-92. ISSN 0301-4215. DOI [10.1016/j.enpol.2016.05.041](#).
Factor impacte 2016 = 4.140 – Q1
244. Ullah, M.Z.; Ahmad, F.; Alshomrani, A.S.; Alzahrani, A.K.; Alghamdi, M.S.; Ahmad, S.; Ahmad, S., 2016. [Frozen jacobian iterative method for solving systems of nonlinear equations: application to nonlinear IVPs and BVPs](#). *JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS*. Vol. 9, núm. 12, p. 6021-6033. ISSN 2008-1898.
Factor impacte 2016 = 1.340 – Q1
245. Vaccarini, M.; Giretti, A.; Tolve, L.C.; [Casals](#), M., et al., 2016. Model predictive energy control of ventilation for underground stations. *ENERGY AND BUILDINGS*. Vol. 116, p. 326-340. ISSN 0378-7788. DOI [10.1016/j.enbuild.2016.01.020](#).
Factor impacte 2016 = 4.067 – Q1
246. [Van der Velde](#), O.A.; [Montanya](#), J., 2016. Statistics and variability of the altitude of elves. *GEOPHYSICAL RESEARCH LETTERS*. Vol. 43, núm. 10, p. 5467-5474. ISSN 0094-8276. DOI [10.1002/2016GL068719](#).
Factor impacte 2016 = 4.253 – Q1
247. [Ventura](#), H.; Claramunt, J.; [Navarro](#), A.; Rodriguez-Perez, M.A.; [Ardanuy](#), M., 2016. Effects of Wet/Dry-Cycling and Plasma Treatments on the Properties of Flax Nonwovens Intended for Composite Reinforcing. *MATERIALS*. Vol. 9, núm. 2. ISSN 1996-1944. DOI [10.3390/ma9020093](#).
Factor impacte 2016 = 2.654 – Q2
248. [Ventura](#), H.; Laguna-Gutierrez, E.; Rodriguez-Perez, M.A.; [Ardanuy](#), M., 2016. Effect of chain extender and water-quenching on the properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) foams for its production by extrusion foaming. *EUROPEAN POLYMER JOURNAL*. Vol. 85, p. 14-25. ISSN 0014-3057. DOI [10.1016/j.eurpolymj.2016.10.001](#).
Factor impacte 2016 = 3.531 – Q1
249. [Villalba](#), S.; Casas, J.R., 2016. New structural joint by rebar looping applied to staged box girder bridge construction. Static tests. *STRUCTURAL CONCRETE*. Vol. 17, núm. 5, p. 824-835. ISSN 1464-4177. DOI [10.1002/suco.201500117](#).
Factor impacte 2016 = 1.424 – Q2
250. [Wang](#), B.; [Cojocar](#), C.; Krolkowski, W.; Yan, Y.; [Trull](#), J., 2016. Transverse single-shot cross-correlation scheme for laser pulse temporal measurement via planar second harmonic generation. *OPTICS EXPRESS*. Vol. 24, núm. 19, p. 22210-22218. ISSN 1094-4087. DOI [10.1364/OE.24.022210](#).
Factor impacte 2016 = 3.307 – Q1
251. Wang, C.; [Delgado](#), M.; [Romeral](#), L.; Chen, Z.; Blaabjerg, F.; Liu, X., 2016. Detection of Partial Demagnetization Fault in PMSMs Operating Under Nonstationary Conditions. A: *IEEE TRANSACTIONS ON MAGNETICS*. Vol. 52, núm. 7. ISSN 0018-9464. DOI [10.1109/TMAG.2015.2511003](#).
Factor impacte 2016 = 1.243 – Q3
252. Wang, L.; [Sanchez-Soto](#), M.; Abt, T., 2016. Properties of bio-based gum Arabic/clay aerogels. *INDUSTRIAL CROPS AND PRODUCTS*. Vol. 91, p. 15-21. ISSN 0926-6690. DOI [10.1016/j.indcrop.2016.05.001](#).
Factor impacte 2016 = 3.181 – Q1
253. Wang, L.; [Sanchez-Soto](#), M.; Abt, T.; [Maspoch](#), M.L.; [Santana](#), O.O., 2016. Microwave-crosslinked bio-based starch/clay



- aerogels. A.; *POLYMER INTERNATIONAL*. Vol. 65, núm. 8, SI, p. 899-904. ISSN 0959-8103. DOI [10.1002/pi.5104](https://doi.org/10.1002/pi.5104).
Factor impacte 2016 = 2.070 – Q2
254. Wang, X.A.; [Xhafa](#), F.; Cai, W.; Ma, J.F.; Wei, F.S., 2016. Efficient privacy preserving predicate encryption with fine-grained searchable capability for cloud storage. *COMPUTERS & ELECTRICAL ENGINEERING*. Vol. 56, p. 871-883. ISSN 0045-7906. DOI [10.1016/j.compeleceng.2016.05.012](https://doi.org/10.1016/j.compeleceng.2016.05.012).
Factor impacte 2016 = 1.570 – Q3
255. Wang, Y.; Ocampo-Martinez, C.A.; [Puig](#), V., 2016 Stochastic model predictive control based on Gaussian processes applied to drinking water networks. *INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING*. Vol. 10, núm. 8, p. 947-955. ISSN 0890-6327. DOI [10.1002/acs.2660](https://doi.org/10.1002/acs.2660).
Factor impacte 2016 = 2.536 – Q1
256. Witczak, M.; Buciakowski, M.; [Puig](#), V.; [Rotondo](#), D.; [Nejjari](#), F., 2016. An LMI approach to robust fault estimation for a class of nonlinear systems. *INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL*. Vol. 26, núm. 7, p. 1530-1548. ISSN 1049-8923. DOI [10.1002/rnc.3365](https://doi.org/10.1002/rnc.3365).
Factor impacte 2016 = 3.393 – Q1
257. [Zappala](#), D.A.; Barreiro, M.; [Masoller](#), C., 2016. Global Atmospheric Dynamics Investigated by Using Hilbert Frequency Analysis. *ENTROPY*. Vol. 18, núm. 11. ISSN 1099-4300. DOI [10.3390/e18110408](https://doi.org/10.3390/e18110408).
Factor impacte 2016 = 1.821 – Q2
258. Zhang, H.; Yuan, H.Z.; [Trias](#), F.X.; Yu, A.B.; Tan, Y.Q.; [Oliva](#), A., 2016. Particulate Immersed Boundary Method for complex fluid-particle interaction problems with heat transfer. *COMPUTERS & MATHEMATICS WITH APPLICATIONS*. Vol. 71, núm. 1, p. 391-407. ISSN 0898-1221. DOI [10.1016/j.camwa.2015.12.003](https://doi.org/10.1016/j.camwa.2015.12.003).
Factor impacte 2016 = 1.531 – Q1
259. Zhang, W.Y.; Mir, A.; [Rocabert](#), J.; [Luna](#), A.; [Rodriguez](#), P., 2016. Synchronous Power Controller With Flexible Droop Characteristics for Renewable Power Generation Systems. *IEEE TRANSACTIONS ON SUSTAINABLE ENERGY*. Vol. 7, núm. 4, p. 1572-1582. ISSN 1949-3029. DOI [10.1109/TSTE.2016.2565059](https://doi.org/10.1109/TSTE.2016.2565059).
Factor impacte 2016 = 4.909 – Q1
260. Zhang, W.Y.; [Remon](#), D.; Mir, A.; [Rodriguez](#), P., 2016. A Unified Current Loop Tuning Approach for Grid-Connected Photovoltaic Inverters. *ENERGIES*. Vol. 9, núm. 9. ISSN 1996-1073. DOI [10.3390/en9090723](https://doi.org/10.3390/en9090723).
Factor impacte 2016 = 2.262 – Q2
261. Zhang, W.Y.; [Remon](#), D.; Mir, A.; [Luna](#), A.; [Rodriguez](#), P., 2016. Dynamics estimation and generalized tuning of stationary frame current controller for grid-tied power converters. *EPE JOURNAL*. Vol. 26, núm. 3, p. 85-95. ISSN 0939-8368. DOI [10.1080/09398368.2016.1261472](https://doi.org/10.1080/09398368.2016.1261472).
Factor impacte 2016 = 0.154 – Q4
262. Zhang, W.Y.; Rouzbehi, K.; [Luna](#), A.; Gharehpetian, G.B.; [Rodriguez](#), P., 2016. Multi-terminal HVDC grids with inertia mimicry capability. *IET RENEWABLE POWER GENERATION*. Vol. 10, núm. 6, p. 752-760. ISSN 1752-1416. DOI [10.1049/iet-rpg.2015.0463](https://doi.org/10.1049/iet-rpg.2015.0463).
Factor impacte 2016 = 2.635 – Q2
263. Zhang, Y.; Huang, A.Q.; Cheng, T.C.E.; Wang, S.Y.; [Fernandez](#), V., 2016. Simulating the demand reshaping and substitution effects of probabilistic selling. *INTERNATIONAL JOURNAL OF SIMULATION MODELLING*. Vol. 15, núm. 4, p. 699-710. ISSN 1726-4529. DOI [10.2507/IJSIMM15\(4\)CO15](https://doi.org/10.2507/IJSIMM15(4)CO15).
Factor impacte 2016 = 1.770 – Q3
264. Zhao, Y.; Perchoux, J.; Campagnolo, L.; Atashkhoeei, R.; Bardinal, V., 2016. Optical feedback interferometry for microscale-flow sensing study: numerical simulation and experimental validation. *OPTICS EXPRESS*. Vol. 24, núm. 21, p. 23849-23862. ISSN 1094-4087. DOI [10.1364/OE.24.023849](https://doi.org/10.1364/OE.24.023849).
Factor impacte 2016 = 3.307 – Q1
265. [Zurita](#), D.; [Delgado](#), M.; [Carino](#), J.A.; [Ortega](#), J.A.; Clerc, G., 2016. Industrial Time Series Modelling by Means of the Neo-Fuzzy Neuron. *IEEE ACCESS*. Vol. 4, p. 6151-6160. ISSN 2169-3536. DOI [10.1109/ACCESS.2016.2611649](https://doi.org/10.1109/ACCESS.2016.2611649).
Factor impacte 2016 = 3.244 – Q1
266. [Zurita-Millan](#), D.; [Delgado Prieto](#), M.; Saucedo-Dorantes, J.J.; [Carino-Corrales](#), J.A.; Osornio-Rios, R.A.; [Ortega-Redondo](#), J.A.; Romero-Troncoso, R.D., 2016. Vibration Signal Forecasting on Rotating Machinery by means of Signal Decomposition and Neurofuzzy Modeling. *SHOCK AND VIBRATION*. ISSN 1070-9622. DOI [10.1155/2016/2683269](https://doi.org/10.1155/2016/2683269).
Factor impacte 2016 = 1.281 – Q3



267. [Capdevila, F.](#); [Carrera-Gallissa, E.](#), 2016. Application of discriminant analysis to parameters describing the drape for two types of woven fabrics. *JOURNAL OF THE TEXTILE INSTITUTE*. Vol. 107, núm. 6, p. 784-790. ISSN 0040-5000. DOI [10.1080/00405000.2015.1061784](#).
Factor impacte 2016 = 1.007 – Q2
268. Arguedas, M.; Daradoumis, A.; [Xhafa, F.](#), 2016. Analyzing the effects of emotion management on time and self-management in computer-based learning. *COMPUTERS IN HUMAN BEHAVIOR*. Vol. 63, p. 517-529. ISSN 0747-5632. DOI [10.1016/j.chb.2016.05.068](#).
Factor impacte 2016 = 3.435 – Q1
269. Arguedas, M.; Daradoumis, A.; [Xhafa, F.](#), 2016. [Analyzing how emotion awareness influences students' motivation, engagement, self-regulation and learning outcome](#). *EDUCATIONAL TECHNOLOGY & SOCIETY*. Vol. 19, núm. 2, p. 87-103. ISSN 1436-4522.
Factor impacte 2016 = 1.584 – Q2
270. Barolli, A.; Loia, V.; Oda, T.; Barolli, L.; [Xhafa, F.](#); Takizawa, M., 2016. Interface and results visualization of WMN-GA simulation system: evaluation for exponential and Weibull distributions considering different transmission rates. *COMPUTER STANDARDS & INTERFACES*. Vol. 44, p. 150-158. ISSN 0920-5489. DOI [10.1016/j.csi.2015.04.003](#).
Factor impacte 2016 = 1.633 – Q2
271. Iesan, D.; [Quintanilla, R.](#), 2016. On chiral effects in strain gradient elasticity. *EUROPEAN JOURNAL OF MECHANICS A-SOLIDS*. Vol. 58, p. 233-246. ISSN 0997-7538. DOI [10.1016/j.euromechsol.2016.02.001](#).
Factor impacte 2016 = 2.846 – Q1
272. Iesan, D.; [Quintanilla, R.](#), 2016. Strain gradient theory of chiral Cosserat thermoelasticity without energy dissipation. *JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*. Vol. 437, núm. 2, p. 1219-1235. ISSN 0022-247X. DOI [10.1016/j.jmaa.2016.01.058](#).
Factor impacte 2016 = 1.064 – Q1
273. [Clot, A.](#); [Romeu, J.](#); [Arcos, R.](#), 2016. An energy flow study of a double-deck tunnel under quasi-static and harmonic excitations. *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*. Vol. 89, p. 1-4. ISSN 0267-7261. DOI [10.1016/j.soildyn.2016.07.008](#).
Factor impacte 2016 = 1.545 – Q3
274. [Clot, A.](#); [Arcos, R.](#); [Romeu, J.](#); [Pamies, T.](#), 2016. Dynamic response of a double-deck circular tunnel embedded in a full-space. *TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY*. Vol. 59, p. 146-156. ISSN 0886-7798. DOI [10.1016/j.tust.2016.07.004](#).
Factor impacte 2016 = 2.192 – Q1
275. [Fabro, F.](#); [Montanya, J.](#); Pineda, N.; Argemi, O.; [Van Der Velde, O.A.](#); [Romero, D.](#); Soula, S., 2016. Analysis of energetic radiation associated with thunderstorms in the Ebro delta region in Spain. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES*. Vol. 121, núm. 16, p. 9879-9891. ISSN 2169-897X. DOI [10.1002/2015JD024573](#).
Factor impacte 2016 = 3.318 – Q1
276. Banks, R.F.; [Tiana-Alsina, J.](#); Baldasano, J.M.; Rocadenbosch, F.; Papayannis, A.; Solomos, S.; Tzani, C.G., 2016. Sensitivity of boundary-layer variables to PBL schemes in the WRF model based on surface meteorological observations, lidar, and radiosondes during the HygrA-CD campaign. *ATMOSPHERIC RESEARCH*. Vol. 176, p. 185-201. ISSN 0169-8095. DOI [10.1016/j.atmosres.2016.02.024](#).
Factor impacte 2016 = 3.778 – Q1
277. Gkikas, A.; Basart, S.; Hatzianastassiou, N.;...; [Gasso, S.](#); Baldasano, J.M., 2016. Mediterranean intense desert dust outbreaks and their vertical structure based on remote sensing data. *ATMOSPHERIC CHEMISTRY AND PHYSICS*. Vol. 16, núm. 13, p. 8609-8642. ISSN 1680-7316. DOI [10.5194/acp-16-8609-2016](#).
Factor impacte 2016 = 5.318 – Q1
278. Derqui, B.; Fayos, T.; [Fernandez, V.](#), 2016. Towards a more sustainable food supply chain: opening up invisible waste in food service. *SUSTAINABILITY*. vol. 8, núm. 7., art. 693. ISSN 2071-1050. DOI [10.3390/su8070693](#).
Factor impacte 2016 = 1.789 – Q2



Autors més prolífics



23 autors amb 6 o més articles:

21 articles – [Puig Cayuela](#), Vicenç ([29](#), [30](#), [54](#), [55](#), [56](#), [57](#), [58](#), [72](#), [114](#), [117](#), [118](#), [201](#), [209](#), [210](#), [211](#), [212](#), [213](#), [228](#), [233](#), [255](#), [256](#))

13 articles – [Rodríguez Cortes](#), Pedro ([162](#), [163](#), [190](#), [191](#), [192](#), [198](#), [214](#), [215](#), [235](#), [259](#), [260](#), [261](#), [262](#))

12 articles – [Oliva Llana](#), Asensio ([18](#), [19](#), [33](#), [60](#), [91](#), [106](#), [112](#), [166](#), [168](#), [223](#), [240](#), [258](#))

9 articles – [Casals Casanova](#), Miquel ([49](#), [50](#), [77](#), [87](#), [88](#), [94](#), [95](#), [242](#), [245](#))

8 articles – [Gangolells Solanellas](#), Marta ([49](#), [50](#), [77](#), [87](#), [88](#), [94](#), [95](#), [242](#))

8 articles – [Masoller Alonso](#), Cristina ([4](#), [8](#), [135](#), [188](#), [196](#), [197](#), [239](#), [257](#))

8 articles – [Staliunas](#), Kestutis ([3](#), [85](#), [105](#), [119](#), [127](#), [133](#), [176](#), [236](#))

8 articles – [Xhafa Xhafa](#), Fatos ([139](#), [157](#), [170](#), [184](#), [254](#), [268](#), [269](#), [270](#))

7 articles – [Blesa Izquierdo](#), Joaquin ([28](#), [29](#), [55](#), [56](#), [72](#), [209](#), [228](#))

7 articles – [MasPOCH Ruldua](#), Maria Lluïsa ([38](#), [46](#), [84](#), [108](#), [146](#), [202](#), [253](#))

7 articles – [Quintanilla De Latorre](#), Ramon ([140](#), [148](#), [159](#), [160](#), [169](#), [271](#), [272](#))

7 articles – [Sanchez Soto](#), Miguel Angel ([1](#), [38](#), [108](#), [152](#), [234](#), [252](#), [253](#))

7 articles – [Velasco Perero](#), Jose Ignacio ([97](#), [98](#), [99](#), [100](#), [101](#), [134](#), [194](#))

6 articles – [Antunes](#), Marcelo de Sousa Pais ([97](#), [98](#), [99](#), [100](#), [101](#), [194](#))

6 articles – [Colom Fajula](#), Xavier ([43](#), [53](#), [78](#), [79](#), [80](#), [189](#))

6 articles – [Delgado Prieto](#), Miquel ([45](#), [61](#), [128](#), [251](#), [265](#), [266](#))

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6 articles – [Nejjari Akhi-elarab](#), Fatiha ([28](#), [210](#), [211](#), [212](#), [213](#), [256](#))

6 articles – [Pujol Ramo](#), Jaume ([34](#), [62](#), [90](#), [109](#), [154](#), [155](#))

6 articles – [Remon Rodríguez](#), Daniel ([190](#), [191](#), [192](#), [198](#), [260](#), [261](#))

6 articles – [Riba Ruiz](#), Jordi Roger ([44](#), [104](#), [111](#), [113](#), [199](#), [200](#))

6 articles – [Romeral Martínez](#), Jose Luis ([61](#), [74](#), [75](#), [104](#), [200](#), [251](#))

6 articles – [Rotondo](#), Damiano ([209](#), [210](#), [211](#), [212](#), [213](#), [256](#))



Revistes amb més articles



20 revistes amb 3 o més articles:

DESALINATION AND WATER TREATMENT	5
EUROPEAN POLYMER JOURNAL	5
SCIENTIFIC REPORTS	5
ENERGY AND BUILDINGS	4
IEEE TRANSACTIONS ON POWER ELECTRONICS	4
JOURNAL OF CLEANER PRODUCTION	4
MATERIALS	4
AFINIDAD	3
APPLIED ENERGY	3
CELLULOSE	3
CONSTRUCTION AND BUILDING MATERIALS	3
CONTROL ENGINEERING PRACTICE	3
IET GENERATION TRANSMISSION DISTRIBUTION	3
INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE	3
OPTICS EXPRESS	3
PHYSICAL REVIEW E	3
POLYMER TESTING	3
RENEWABLE SUSTAINABLE ENERGY REVIEWS	3
SENSORS	3
SHOCK AND VIBRATION	3



Articles amb més impacte



Al 2016 s'han publicat 149 articles en revistes situades al primer quartil d'alguna àrea temàtica del JCR. D'aquests, els 20 articles publicats a revistes de més impacte són:

Mariano, M.; Kozyreff, G.; Gerling, L.G.; Romero-Gomez, P.; Puigdollers, J.; Bravo-Abad, J.; [Martorell, J.](#), 2016. Intermittent chaos for ergodic light trapping in a photonic fiber plate. *LIGHT-SCIENCE & APPLICATIONS*. Vol. 5. ISSN 2047-7538. DOI [10.1038/lsa.2016.216](#).

Factor impacte 2016 = 14.098 – Q1

Tarasov, N.; Perego, A.M.; Churkin, D.V.; [Staliunas, K.](#); Turitsyn, S.K., 2016. Mode-locking via dissipative Faraday instability. *NATURE COMMUNICATIONS*. Vol. 7. ISSN 2041-1723. DOI [10.1038/ncomms12441](#).

Factor impacte 2016 = 12.124 – Q1

Elias, X.; Liu, Q.; Gimbert-Surinach, C.; Matheu, R.; Mantilla-Perez, P.; Martinez-Otero, A.; Sala, X.; [Martorell, J.](#); Llobet, A. Neutral Water Splitting Catalysis with a High FF Triple Junction Polymer Cell. *ACS CATALYSIS*. Vol. 6, núm. 5, p. 3310-3316. ISSN 2155-5435. DOI [10.1021/acscatal.6b01036](#).

Factor impacte 2016 = 10.614 – Q1

[Canals-Casals, L.](#); [Amante-Garcia, B.](#), 2016. Communications concerns for reused electric vehicle batteries in smart grids. *IEEE COMMUNICATIONS MAGAZINE*. Vol. 54, núm. 9, p. 120-125. ISSN 0163-6804. DOI [10.1109/MCOM.2016.7565258](#).

Factor impacte 2016 = 10.435 – Q1

Aragoneses, A.; Carpi, L.; Tarasov, N.; Churkin, D.V.; [Torrent, M.C.](#); [Masoller, C.](#); Turitsyn, S.K., 2016. Unveiling Temporal Correlations Characteristic of a Phase Transition in the Output Intensity of a Fiber Laser. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 3. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.033902](#).

Factor impacte 2016 = 8.462 – Q1

Perego, A.M.; Tarasov, N.; Churkin, D.V.; Turitsyn, S.K.; [Staliunas, K.](#), 2016. Pattern Generation by Dissipative Parametric Instability. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 2. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.028701](#).

Factor impacte 2016 = 8.462 – Q1

Monterrubio, C.; Pascual-Pasto, G.; [Cano, F.](#); Vila-Ubach, M.; Manzanares, A.; Schaiqueviche, P.; [Tornero, J.A.](#); Sosnik, A.; Mora, J.; Montero, A., 2016. SN-38-loaded nanofiber matrices for local control of pediatric solid tumors after subtotal resection surgery. *BIOMATERIALS*. Vol. 79, p. 69-78. ISSN 0142-9612. DOI [10.1016/j.biomaterials.2015.11.055](#).

Factor impacte 2016 = 8.402 – Q1

[Gangoilells, M.](#); [Casals, M.](#); [Forcada, N.](#); [Macarulla, M.](#); Giretti, A., 2016. Energy performance assessment of an intelligent energy management system. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 55, p. 662-667. ISSN 1364-0321. DOI [10.1016/j.rser.2015.11.006](#).

Factor impacte 2016 = 8.050 – Q1

Garfi, M.; Marti-Herrero, J.; Garwood, A.; Ferrer, I., 2016. Household anaerobic digesters for biogas production in Latin America: A review. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 60, p. 599-614. ISSN 1364-0321. DOI [10.1016/j.rser.2016.01.071](#).

Factor impacte 2016 = 8.050 – Q1

[Riba, J.R.](#); [Lopez-Torres, C.](#); [Romerai, L.](#); [Garcia, A.](#), 2016. Rare-earth-free propulsion motors for electric vehicles: A technology review. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 57, p. 367-379. ISSN 1364-0321. DOI [10.1016/j.rser.2015.12.121](#).

Factor impacte 2016 = 8.050 – Q1

Liu, Q.; Mantilla, P.; Montes, M.; Romero, P.; [Martorell, J.](#), 2016. UV-Induced Oxygen Removal for Photostable, High-Efficiency PTB7-Th:PC71BM Photovoltaic Cells. *ACS APPLIED MATERIALS & INTERFACES*. Vol. 8, núm. 42, p. 28750-28756. ISSN 1944-8244. DOI [10.1021/acsami.6b07985](#).

Factor impacte 2016 = 7.504 – Q1



Sun, H.; Schiraldi, D.A.; Chen, D.Y.; Wang, D.Q.; [Sanchez-Soto, M.](#), 2016. Tough Polymer Aerogels Incorporating a Conformal Inorganic Coating for Low Flammability and Durable Hydrophobicity. *ACS APPLIED MATERIALS & INTERFACES*. Vol. 8, núm. 20, p. 13051-13057. ISSN 1944-8244. DOI [10.1021/acsami.6b02829](#).

Factor impacte 2016 = 7.504 – Q1

[Casals, M.](#); [Gangoletts, M.](#); [Forcada, N.](#); [Macarulla, M.](#); Giretti, A.; Vaccarini, M., 2016. SEAM4US: An intelligent energy management system for underground stations. *APPLIED ENERGY*. Vol. 166, p. 150-164. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.01.029](#).

Factor impacte 2016 = 7.182 – Q1

[Gonzalez, I.](#); [Perez-Segarra, C.D.](#); [Lehmkuhl, O.](#); [Torrás, S.](#); [Oliva, A.](#), 2016. Thermo-mechanical parametric analysis of packed-bed thermocline energy storage tanks. *APPLIED ENERGY*. Vol. 179, p. 1106-1122. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.06.124](#).

Factor impacte 2016 = 7.182 – Q1

Morales-Ruiz, S.; [Rigola, J.](#); [Oliet, C.](#); [Oliva, A.](#), 2016. Analysis and design of a drain water heat recovery storage unit based on PCM plates. *APPLIED ENERGY*. Vol. 179, p. 1006-1019. ISSN 0306-2619. DOI [10.1016/j.apenergy.2016.07.067](#).

Factor impacte 2016 = 7.182 – Q1

Konstantinou, G., Pou, J., [Capella, G.J.](#); Song, K.J.; Ceballos, S.; Agelidis, V.G., 2016. Interleaved Operation of Three-Level Neutral Point Clamped Converter Legs and Reduction of Circulating Currents Under SHE-PWM. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*. Vol. 63, núm. 6, p. 3323-3332. ISSN 0278-0046. DOI [10.1109/TIE.2016.2521729](#).

Factor impacte 2016 = 7.168 – Q1

Ghias, A.M.Y.M.; Pou, J.; [Capella, G.J.](#); Acuna, P.; Agelidis, V.G., 2016. On Improving Phase-Shifted PWM for Flying Capacitor Multilevel Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 8, p. 5384-5388. ISSN 0885-8993. DOI [10.1109/TPEL.2016.2521803](#).

Factor impacte 2016 = 7.151 – Q1

Konstantinou, G., Pou, J., Ceballos, S.; Picas, R.; [Zaragoza, J.](#); Agelidis, V.G., 2016. Control of Circulating Currents in Modular Multilevel Converters Through Redundant Voltage Levels. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 11, p. 7761-7769. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2512842](#).

Factor impacte 2016 = 7.151 – Q1

Lopez, I.; Ceballos, S.; Pou, J.; [Zaragoza, J.](#); Andreu, J.; Kortabarria, I.; Agelidis, V.G., 2016. Modulation Strategy for Multiphase Neutral-Point-Clamped Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 2, p. 928-941. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2416911](#).

Factor impacte 2016 = 7.151 – Q1

Picas, R.; [Zaragoza, J.](#); Pou, J.; Ceballos, S.; [Balcells, J.](#), 2016. New Measuring Technique for Reducing the Number of Voltage Sensors in Modular Multilevel Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 1, p. 177-187. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2412658](#).

Factor impacte 2016 = 7.151 – Q1



Articles més citats

A data 22.09.2017 els 278 articles seleccionats havien rebut 660 citacions. 15 d'aquests articles havien rebut 10 o més citacions:

37 citacions – Akhmediev, N.; Kibler, B.; Baronio, F.; [Masoller, C.](#); et al., 2016. Roadmap on optical rogue waves and extreme events. *JOURNAL OF OPTICS*. Vol. 18, núm. 6. ISSN 2040-8978. DOI [10.1088/2040-8978/18/6/063001](#).

Factor impacte 2016 = 1.741 – Q2

35 citacions – Du, W.; Zhou, X.; [Lordan, O.](#); Wang, Z.; Zhao, C.; Zhu, Y., 2016. Analysis of the Chinese Airline Network as multi-layer networks. *TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW*. Vol. 89, p. 108-116. ISSN 1366-5545. DOI [10.1016/j.tre.2016.03.009](#).

Factor impacte 2016 = 2.974 – Q1

23 citacions – Javidi, B.; Carnicer, A.; Yamaguchi, M.; Nomura, T.; [Perez-Cabre, E.](#); [Millan, M.S.](#) et al., 2016. Roadmap on optical security. *JOURNAL OF OPTICS*. Vol. 18, núm. 8. ISSN 2040-8978. DOI [10.1088/2040-8978/18/8/083001](#).

Factor impacte 2016 = 1.741 – Q2

21 citacions – Lopez, I.; Ceballos, S.; Pou, J.; [Zaragoza, J.](#); Andreu, J.; Kortabarria, I.; Agelidis, V.G., 2016. Modulation Strategy for Multiphase Neutral-Point-Clamped Converters. *IEEE TRANSACTIONS ON POWER ELECTRONICS*. Vol. 31, núm. 2, p. 928-941. ISSN 0885-8993. DOI [10.1109/TPEL.2015.2416911](#).

Factor impacte 2016 = 7.151 – Q1

15 citacions – Petkova, P.; Francesko, A.; Perelshtein, I.; Gedanken, A.; [Tzanov, T.](#), 2016. Simultaneous sonochemical-enzymatic coating of medical textiles with antibacterial ZnO nanoparticles. *ULTRASONICS SONOCHEMISTRY*. Vol. 29, p. 244-250. ISSN 1350-4177. DOI [10.1016/j.ultsonch.2015.09.021](#).

Factor impacte 2016 = 4.218 – Q1

14 citacions – Aragoneses, A.; Carpi, L.; Tarasov, N.; Churkin, D.V.; [Torrent, M.C.](#); [Masoller, C.](#); Turitsyn, S.K., 2016. Unveiling Temporal Correlations Characteristic of a Phase Transition in the Output Intensity of a Fiber Laser. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 3. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.033902](#).

Factor impacte 2016 = 8.462 – Q1

14 citacions – Barrias, A.; Casas, J.R.; [Villalba, S.](#), 2016. A Review of Distributed Optical Fiber Sensors for Civil Engineering Applications. *SENSORS*. Vol. 16, núm. 5. ISSN 1424-8220. DOI [10.3390/s16050748](#).

Factor impacte 2016 = 2.677 – Q1

13 citacions – Perego, A.M.; Tarasov, N.; Churkin, D.V.; Turitsyn, S.K.; [Staliunas, K.](#), 2016. Pattern Generation by Dissipative Parametric Instability. *PHYSICAL REVIEW LETTERS*. Vol. 116, núm. 2. ISSN 0031-9007. DOI [10.1103/PhysRevLett.116.028701](#).

Factor impacte 2016 = 8.462 – Q1

11 citacions – [Balcazar, N.](#); [Lehmkuhl, O.](#); Jofre, L.; [Rigola, J.](#); [Oliva, A.](#), 2016. A coupled volume-of-fluid/level-set method for simulation of two-phase flows on unstructured meshes. *COMPUTERS & FLUIDS*. Vol. 124, p. 12-29. ISSN 0045-7930. DOI [10.1016/j.compfluid.2015.10.005](#).

Factor impacte 2016 = 2.313 – Q1

11 citacions – Banks, R.F.; [Tiana-Alsina, J.](#); Baldasano, J.M.; Rocadenbosch, F.; Papayannis, A.; Solomos, S.; Tzani, C.G., 2016. Sensitivity of boundary-layer variables to PBL schemes in the WRF model based on surface meteorological observations, lidar, and radiosondes during the HygrA-CD campaign. *ATMOSPHERIC RESEARCH*. Vol. 176, p. 185-201. ISSN 0169-8095. DOI [10.1016/j.atmosres.2016.02.024](#).

Factor impacte 2016 = 3.778 – Q1

11 citacions – [Canals-Casals, L.](#); Martínez-Laserna, E.; [Amante-García, B.](#); Nieto, N., 2016. Sustainability analysis of the electric vehicle use in Europe for CO2 emissions reduction. *JOURNAL OF CLEANER PRODUCTION*. Vol. 127, p. 425-437. ISSN 0959-6526. DOI [10.1016/j.jclepro.2016.03.120](#).

Factor impacte 2016 = 5.715 – Q1

Articles indexats publicats per investigadors del Campus Terrassa: 2016



11 citacions – [Gangoilells](#), M.; [Casals](#), M.; [Forcada](#), N.; [Macarulla](#), M.; Cuerva, E., 2016. Energy mapping of existing building stock in Spain. *JOURNAL OF CLEANER PRODUCTION*. Vol. 112, núm. 5, p. 3895-3904. ISSN 0959-6526. DOI [10.1016/j.jclepro.2015.05.105](https://doi.org/10.1016/j.jclepro.2015.05.105).

Factor impacte 2016 = 5.715 – Q1

11 citacions – Gkikas, A.; Basart, S.; Hatzianastassiou, N.;...; [Gasso](#), S., Baldasano, J.M., 2016. Mediterranean intense desert dust outbreaks and their vertical structure based on remote sensing data. *ATMOSPHERIC CHEMISTRY AND PHYSICS*. Vol. 16, núm. 13, p. 8609-8642. ISSN 1680-7316. DOI [10.5194/acp-16-8609-2016](https://doi.org/10.5194/acp-16-8609-2016).

Factor impacte 2016 = 5.318 – Q1

10 citacions – Formela, K.; Klein, M.; [Colom](#), X.; Saeb, M.R., 2016. Investigating the combined impact of plasticizer and shear force on the efficiency of low temperature reclaiming of ground tire rubber (GTR). *POLYMER DEGRADATION AND STABILITY*. Vol. 125, p. 1-11. ISSN 0141-3910. DOI [10.1016/j.polyimdegradstab.2015.12.022](https://doi.org/10.1016/j.polyimdegradstab.2015.12.022).

Factor impacte 2016 = 3.386 – Q1

10 citacions – [Riba](#), J.R.; [Lopez-Torres](#), C.; [Romeral](#), L.; [Garcia](#), A., 2016. Rare-earth-free propulsion motors for electric vehicles: A technology review. *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*. Vol. 57, p. 367-379. ISSN 1364-0321. DOI [10.1016/j.rser.2015.12.121](https://doi.org/10.1016/j.rser.2015.12.121).

Factor impacte 2016 = 8.050 – Q1



Institucions amb més col·laboracions

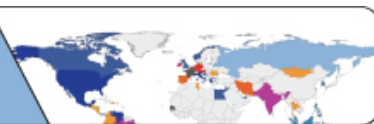


21 institucions amb 4 o més col·laboracions:

CSIC - CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	39
IRII - INSTITUT DE ROBOTICA I INFORMATICA INDUSTRIAL	18
ABENGOA	12
UAB - UNIVERSITAT AUTÒNOMA DE BARCELONA	10
CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	9
ICREA - INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS	9
CIMNE - CENTRE INTERNACIONAL DE METODES NUMERICIS EN ENGINYERIA	7
TERMO FLUIDS SL	6
UB - UNIVERSITY OF BARCELONA	6
UNIVERSITE DE TOULOUSE	6
UNIVERSITY OF NEW SOUTH WALES SYDNEY	5
AMIRKABIR UNIVERSITY OF TECHNOLOGY	4
BIST - BARCELONA INSTITUTE OF SCIENCE TECHNOLOGY	4
FUKUOKA INST TECHNOL	4
GDANSK UNIVERSITY OF TECHNOLOGY	4
ICFO - INSTITUT DE CIENCIES FOTONIQUES	4
NORWEGIAN UNIVERSITY OF SCIENCE TECHNOLOGY	4
UPF - UNIVERSITAT POMPEU FABRA	4
RUSSIAN ACADEMY OF SCIENCES	4
TECNALIA RES INNOVAT	4
UNIVERSITY OF CAMBRIDGE	4



Països amb més col·laboracions



25 països (sense constar Espanya) amb 3 o més col·laboracions:

ITALY	16
FRANCE	15
GERMANY	12
ENGLAND	11
USA	10
IRAN	10
JAPAN	9
PEOPLES R CHINA	8
MEXICO	8
AUSTRALIA	8
POLAND	7
NORWAY	5
ISRAEL	5
BRAZIL	5
AUSTRIA	5
ARGENTINA	5
RUSSIA	4
IRELAND	4
GREECE	4
SWEDEN	3
ROMANIA	3
NETHERLANDS	3
ECUADOR	3
DENMARK	3
CHILE	3



Àrees temàtiques amb més articles



38 grans àrees temàtiques (ISI) amb 5 o més articles:

ENGINEERING ELECTRICAL ELECTRONIC	44
ENERGY FUELS	26
AUTOMATION CONTROL SYSTEMS	22
POLYMER SCIENCE	20
MECHANICS	18
ENGINEERING MECHANICAL	17
MATERIALS SCIENCE MULTIDISCIPLINARY	16
OPTICS	15
ENGINEERING CIVIL	15
CONSTRUCTION BUILDING TECHNOLOGY	14
MATHEMATICS APPLIED	13
GREEN SUSTAINABLE SCIENCE TECHNOLOGY	13
ENVIRONMENTAL SCIENCES	12
ENGINEERING MULTIDISCIPLINARY	12
ENGINEERING CHEMICAL	12
WATER RESOURCES	10
THERMODYNAMICS	10
PHYSICS APPLIED	10
INSTRUMENTS INSTRUMENTATION	10
MULTIDISCIPLINARY SCIENCES	9
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS	9
MATHEMATICS INTERDISCIPLINARY APPLICATIONS	8
PHYSICS MULTIDISCIPLINARY	7
OPHTHALMOLOGY	7
METEOROLOGY ATMOSPHERIC SCIENCES	7
COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE	7
CHEMISTRY PHYSICAL	7
CHEMISTRY MULTIDISCIPLINARY	7
PHYSICS MATHEMATICAL	6
PHYSICS FLUIDS PLASMAS	6
CHEMISTRY ANALYTICAL	6
MATERIALS SCIENCE TEXTILES	5
MATERIALS SCIENCE COMPOSITES	5
MATERIALS SCIENCE BIOMATERIALS	5
GEOSCIENCES MULTIDISCIPLINARY	5
ENGINEERING ENVIRONMENTAL	5
ELECTROCHEMISTRY	5
ACOUSTICS	5

Articles indexats publicats per investigadors del Campus Terrassa: 2016



Articles
més citats

2012-2016



20 articles més citats publicats entre el 2012 i el 2016 (a 26.09.2017):

435 citacions – [Rocabert, J.](#); [Luna, A.](#); [Blaabjerg, F.](#); [Rodríguez, P.](#), 2012. Control of Power Converters in AC Microgrids. *IEEE Transactions on Power Electronics*. Vol. 27, núm. 11, p. 4734-4749. ISSN 0885-8993. DOI [10.1109/TPEL.2012.2199334](https://doi.org/10.1109/TPEL.2012.2199334).

165 citacions - [Rodríguez, P.](#); [Luna, A.](#); [Muñoz-Aguilar, R.S.](#); et al., 2012. A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions. *IEEE Transactions on Power Electronics*. Vol. 27, núm. 1. ISSN 0885-8993. DOI [10.1109/TPEL.2011.2159242](https://doi.org/10.1109/TPEL.2011.2159242).

138 citacions - [Pou, J.](#); [Zaragoza, J.](#); [Ceballos, S.](#); et al., 2012. A Carrier-Based PWM Strategy With Zero-Sequence Voltage Injection for a Three-Level Neutral-Point-Clamped Converter. *IEEE Transactions on Power Electronics*. Vol. 27, núm. 2, p. 642-651. ISSN 0885-8993. DOI [10.1109/TPEL.2010.2050783](https://doi.org/10.1109/TPEL.2010.2050783).

111 citacions - [Fittipaldi, M.](#); [Nocker, A.](#); [Codony, F.](#), 2012. Progress in understanding preferential detection of live cells using viability dyes in combination with DNA amplification. *Journal of microbiological methods*. Vol. 91, núm. 2, p. 276-289. ISSN 0167-7012. DOI [10.1016/j.mimet.2012.08.007](https://doi.org/10.1016/j.mimet.2012.08.007).

95 citacions - [Betancur, R.](#); [Martorell, J.](#); et al., 2013. Transparent polymer solar cells employing a layered light-trapping architecture. *Nature Photonics*. Vol. 7, núm. 12, p. 995-1000. ISSN 1749-4885. DOI [10.1038/NPHOTON.2013.276](https://doi.org/10.1038/NPHOTON.2013.276).

94 citacions - [Asally, M.](#); [García-Ojalvo, J.](#); et al., 2012. Localized cell death focuses mechanical forces during 3D patterning in a biofilm. *Proceedings of the National Academy of Sciences of the United States of America*. Vol. 109, núm. 46, p. 18891-18896. ISSN 0027-8424. DOI [10.1073/pnas.1212429109](https://doi.org/10.1073/pnas.1212429109).

76 citacions - [Beltran, H.](#); [Rodríguez, P.](#); et al., 2013. Evaluation of Storage Energy Requirements for Constant Production in PV Power Plants. *IEEE Transactions on Industrial Electronics*. Vol. 60, núm. 3, p. 1225-1234. ISSN 0278-0046. DOI [10.1109/TIE.2012.2202353](https://doi.org/10.1109/TIE.2012.2202353).

75 citacions – [Delgado, M.](#); [Cirrincione, G.](#); [García, A.](#); [Ortega, J.A.](#); [Henao, H.](#), 2013. Bearing Fault Detection by a Novel Condition-Monitoring Scheme Based on Statistical-Time Features and Neural Networks. *IEEE Transactions on Industrial Electronics*. Vol. 60, núm. 8, p. 3398-3407. ISSN 0278-0046. DOI [10.1109/TIE.2012.2219838](https://doi.org/10.1109/TIE.2012.2219838).

74 citacions - [Reyes, M.](#); [Rodríguez, P.](#); [Luna, A.](#); et al., 2012. Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions. *IEEE Transactions on Power Electronics*. Vol. 27, núm. 9, p. 3934-3943. ISSN 0885-8993. DOI [10.1109/TPEL.2012.2190147](https://doi.org/10.1109/TPEL.2012.2190147).

64 citacions - [Perelshtein, I.](#); [Tzanko, T.](#); et al., 2013. Chitosan and chitosan-ZnO-based complex nanoparticles: formation, characterization, and antibacterial activity. *Journal of Materials Chemistry B*. Vol. 1, núm. 14, p. 1968-1976. ISSN 2050-750X. DOI [10.1039/c3tb00555k](https://doi.org/10.1039/c3tb00555k).

Articles indexats publicats per investigadors del Campus Terrassa: 2016



57 citacions - Pou, J.; Ceballos, S.; Konstantinou, G.; Agelidis, V.G.; Picas, R.; [Zaragoza](#), J., 2015. Circulating Current Injection Methods Based on Instantaneous Information for the Modular Multilevel Converter. *IEEE Transactions on Industrial Electronics*. Vol. 62, núm. 2, p. 777-788. ISSN 0278-0046. DOI [10.1109/TIE.2014.2336608](#).

57 citacions – Senturk, O.S.; [Rodriguez](#), P.; et al., 2012. Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines. *IEEE Transactions on Power Electronics*. Vol. 27, núm. 7, p. 3195-3206. ISSN 0885-8993. DOI [10.1109/TPEL.2011.2182661](#).

55 citacions - [Valderrama](#), C.; et al., 2012. Implementation of best available techniques in cement manufacturing: a life-cycle assessment study. *Journal of Cleaner Production*. Vol. 25, p. 60-67. ISSN 0959-6526. DOI [10.1016/j.jclepro.2011.11.055](#).

55 citacions - Blanco, J.; [Torrades](#), F.; De la Varga, M.; Garcia-Montano, J. Fenton and Biological-Fenton Coupled Processes for Textile Wastewater Treatment and Reuse. *Desalination*, FEB 1, 2012, vol. 286, pp. 394-399. ISSN 0011-9164. DOI [10.1016/j.desal.2011.11.055](#)

54 citacions - [Antunes](#), M.; [Velasco](#), J.I., 2014. Multifunctional polymer foams with carbon nanoparticles. *PROGRESS IN POLYMER SCIENCE*. Vol. 39, núm. 3, p. 486-509. ISSN 0079-6700. DOI [10.1016/j.progpolymsci.2013.11.002](#).

52 citacions - Chen, H.-B.; [Sanchez-Soto](#), M.; et al., 2012. Low flammability, foam-like materials based on ammonium alginate and sodium montmorillonite clay. *Polymer*. Vol. 53, núm. 25, p. 5825-5831. ISSN 0032-3861. DOI [10.1016/j.polymer.2012.10.029](#).

50 citacions - [Petkova](#), P.; Francesko, A.; [Macedo](#), M.M.; Mendoza, E.; Perelshtein, I.; Gedanken, A.; [Tzanov](#), T., 2014. Sonochemical Coating of Textiles with Hybrid ZnO/Chitosan Antimicrobial Nanoparticles. *ACS APPLIED MATERIALS & INTERFACES*. Vol. 6, núm. 2, p. 1164-1172. ISSN 1944-8244. DOI [10.1021/am404852d](#).

50 citacions - Ferrer, A.; [Quintana](#), E.; Filpponen, I.; Solala, I.; [Vidal](#), T.; Rodriguez, A.; Laine, J.; Rojas, O.J. Effect of Residual Lignin and Heteropolysaccharides in Nanofibrillar Cellulose and Nanopaper from Wood Fibers. *Cellulose*, DEC, 2012, vol. 19, no. 6, pp. 2179-2193. ISSN 0969-0239. DOI [10.1007/s10570-012-9788-z](#).

49 citacions - [Torrades](#), F.; Garcia-Montano, J., 2014. Using central composite experimental design to optimize the degradation of real dye wastewater by Fenton and photo-Fenton reactions. *DYES AND PIGMENTS*. Vol. 100, p. 184-189. ISSN 0143-7208. DOI [10.1016/j.dyepig.2013.09.004](#).

49 citacions - Hachicha, A. A.; [Rodriguez](#), I.; [Capdevila](#), R.; [Oliva](#), A. Heat transfer analysis and numerical simulation of a parabolic trough solar collector. In : *APPLIED ENERGY*. November 2013. Vol. 111, p. 581–592. DOI [10.1016/j.apenergy.2013.04.067](#).



Articles indexats publicats per investigadors del Campus de Terrassa, 2016: nota metodològica

Aquest informe ha estat elaborat a partir de les publicacions incloses a la base de dades Web of Science.

Aquest recurs recull els articles d'investigadors del Campus de Terrassa de la UPC que compleixin les condicions següents:

- Hagin estat publicats durant l'any 2016.
- Els autors signin com a investigadors del Campus de Terrassa de la UPC o d'alguna de les seves escoles¹.
- Pertanyin a alguna revista indexada al JCR (Journal Citation Reports) en l'edició del 2016.

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

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

Per a cada autor del Campus s'ha afegit un enllaç a la fitxa de l'investigador de [FUTUR: Portal de la Producció Científica dels investigadors de la UPC](#). Per a cada article s'ha afegit, sempre que ha estat possible, un enllaç al DOI de la publicació.

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

- Articles que no hagin estat incorporats a la base de dades Web of Science (ISI).
- Articles en què no apareix la menció del Campus de Terrassa a la signatura dels autors.
- Errades en la indexació a la base de dades.

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



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