

**Articles indexats  
publicats per  
investigadors del  
Campus Terrassa:  
2018**



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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Campus de Terrassa



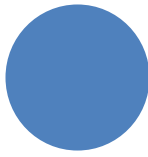
# INTRODUCCIÓ

Aquesta pàgina recull els [290 treballs publicats](#) per [267 investigadors/es](#) del Campus de Terrassa en revistes indexades al Journal Citation Report durant el 2018 ([nota metodològica](#)).

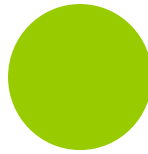
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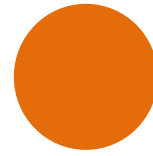
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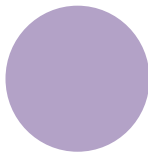
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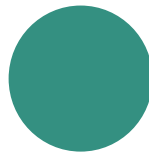
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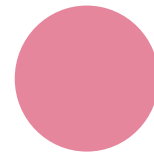
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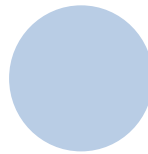
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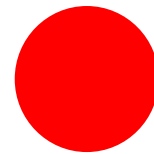
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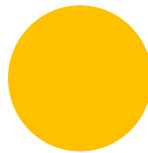
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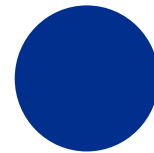
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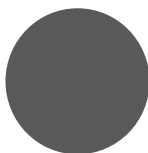
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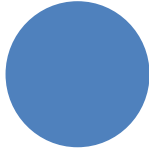
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**Factor impacte 2018 = 3.164 – Q1**
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**Factor impacte 2018 = 3.406 – Q2**
3. [AGUSTI, G.](#), [FITTIPALDI, M.](#) i CODONY, F., 2018. Optimization of a Viability PCR Method for the Detection of *Listeria monocytogenes* in Food Samples. *CURRENT MICROBIOLOGY*, vol. 75, no. 6, pp. 779-785. ISSN 0343-8651. DOI [10.1007/s00284-018-1448-6](#).  
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4. [AGUSTI, G.](#), LE CALVEZ, T., TROUILHE, M.-C., HUMEAU, P. i CODONY, F., 2018. Presence of *Waddlia chondrophila* in hot water systems from non-domestic buildings in France. *JOURNAL OF WATER AND HEALTH*, vol. 16, no. 1, pp. 44-48. ISSN 1477-8920. DOI [10.2166/wh.2017.106](#).  
**Factor impacte 2018 = 1.683 – Q3**
5. AHMED, W.W., [HERRERO, R.](#), [BOTTEY, M.](#), HAYRAN, Z., KURT, H. i [STALIUNAS, K.](#), 2018. Directionality fields generated by a local Hilbert transform. *PHYSICAL REVIEW A*, vol. 97, no. 3. ISSN 2469-9926. DOI [10.1103/PhysRevA.97.033824](#).  
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6. ALCALA, E., [PUIG, V.](#), [QUEVEDO, J.](#) i [ESCOBET, T.](#), 2018. Gain-scheduling LPV control for autonomous vehicles including friction force estimation and compensation mechanism. *IET CONTROL THEORY AND APPLICATIONS*, vol. 12, no. 12, pp. 1683-1693. ISSN 1751-8644. DOI [10.1049/iet-cta.2017.1154](#).  
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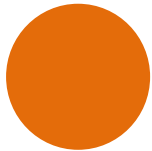


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**Factor impacte 2018 = 2.784 – Q2**
288. ARGUEDAS, M., [XHAFÀ](#), F., CASILLAS, L., DARADOUMIS, T., PENA, A. y CABALLE, S., 2018. A model for providing emotion awareness and feedback using fuzzy logic in online learning. *SOFT COMPUTING*, vol. 22, no. 3, pp. 963-977. ISSN 1432-7643. DOI [10.1007/s00500-016-2399-0](#).  
**Factor impacte 2018 = 2.784 – Q2**
289. BYLYKBASHI, K., SPAHO, E., BAROLLI, L. y [XHAFÀ](#), F., 2018. Routing in a many-to-one communication scenario in a realistic VDTN. *JOURNAL OF HIGH SPEED NETWORKS*, vol. 24, no. 2, pp. 107-118. ISSN 0926-6801. DOI [10.3233/JHS-180584](#).  
**Factor impacte 2018 = 0.379 – Q3**
290. WANG, X.A., [XHAFÀ](#), F., MA, J., BAROLLI, L. y GE, Y., 2018. PRE+: dual of proxy re-encryption for secure cloud data sharing service. *INTERNATIONAL JOURNAL OF WEB AND GRID SERVICES*, vol. 14, no. 1, SI, pp. 44-69. ISSN 1741-1106. DOI [10.1504/IJWGS.2018.088394](#).  
**Factor impacte 2018 = 0.833 – Q4**

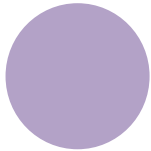




## Accés obert

Del total d'articles indexats al 2018, hi ha 278 (un 95,86%) que es poden consultar en accés obert. Es distribueixen de la manera següent:

|              |             |     |
|--------------|-------------|-----|
| Accés obert  | Via verda   | 207 |
|              | Via daurada | 71  |
| Accés tancat |             | 12  |



## Autors més prolífics

19 autors amb 6 o més articles:

21 articles – [Puig Cayuela](#), Vicenç ([6](#), [7](#), [108](#), [121](#), [138](#), [208](#), [210](#), [217](#), [219](#), [223](#), [224](#), [227](#), [231](#), [246](#), [247](#), [248](#), [249](#), [251](#), [252](#), [257](#), [258](#))

11 articles – [Riba Ruiz](#), Jordi Roger ([140](#), [141](#), [142](#), [194](#), [195](#), [196](#), [197](#), [198](#), [199](#), [200](#), [273](#))

11 articles – [Staliunas](#), Kestutis ([5](#), [36](#), [37](#), [39](#), [58](#), [109](#), [110](#), [118](#), [181](#), [182](#), [250](#))

10 articles – [Quintanilla De Latorre](#), Ramon ([114](#), [124](#), [125](#), [133](#), [137](#), [148](#), [149](#), [150](#), [165](#), [187](#))

8 articles – [Arias Montenegro](#), Francisco Javier ([12](#), [13](#), [14](#), [15](#), [16](#), [17](#), [18](#), [19](#))

8 articles – [Morato Farreras](#), Jordi ([2](#), [56](#), [91](#), [92](#), [93](#), [166](#), [180](#), [234](#))

7 articles – [Acho Zuppa](#), Leonardo ([185](#), [213](#), [240](#), [277](#), [278](#), [279](#), [280](#))

7 articles – [Masoller Alonso](#), Cristina ([44](#), [155](#), [189](#), [190](#), [212](#), [236](#), [256](#))

7 articles – [Romerol Martinez](#), Jose Luis ([119](#), [140](#), [141](#), [142](#), [214](#), [271](#), [272](#))

7 articles – [Roncero Vivero](#), Maria Blanca ([29](#), [30](#), [65](#), [66](#), [87](#), [186](#), [239](#))

7 articles – [Tzanov](#), Tzanko ([27](#), [86](#), [89](#), [90](#), [115](#), [216](#), [229](#))

6 articles – [Ardanuy Raso](#), Monica ([61](#), [170](#), [171](#), [172](#), [191](#), [243](#))

6 articles – [Haro Cases](#), Jaime ([67](#), [68](#), [69](#), [70](#), [71](#), [72](#))

6 articles – [Herrero Simon](#), Ramon ([5](#), [46](#), [109](#), [110](#), [111](#), [250](#))

6 articles – [MasPOCH Ruldua](#), Maria Lluïsa ([28](#), [40](#), [45](#), [102](#), [103](#), [194](#))

6 articles – Rodríguez Cortés, Pedro ([78](#), [79](#), [83](#), [120](#), [122](#), [204](#))

6 articles – [Sanchez Soto](#), Miguel Angel ([40](#), [45](#), [98](#), [102](#), [103](#), [245](#))

6 articles – [Valls Vidal](#), Cristina ([29](#), [30](#), [66](#), [87](#), [186](#), [239](#))

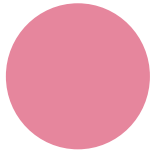
6 articles – [Xhafa Xhafa](#), Fatos ([285](#), [286](#), [287](#), [288](#), [289](#), [290](#))



## Revistes amb més articles

S'ha publicat articles en 192 revistes indexades diferents. Les 18 revistes amb 3 o més articles són:

|                                     |    |
|-------------------------------------|----|
| ENERGIES                            | 12 |
| POLYMERS                            | 11 |
| DESALINATION AND WATER TREATMENT    | 6  |
| ENERGY AND BUILDINGS                | 5  |
| PHYSICAL REVIEW A                   | 5  |
| CARBOHYDRATE POLYMERS               | 4  |
| MATERIALS                           | 4  |
| OPTICS EXPRESS                      | 4  |
| SENSORS                             | 4  |
| ACTA GEOPHYSICA                     | 3  |
| COMPOSITES PART B ENGINEERING       | 3  |
| IEEE SYSTEMS JOURNAL                | 3  |
| JOURNAL OF ENVIRONMENTAL MANAGEMENT | 3  |
| OPTICS LETTERS                      | 3  |
| PHYSICAL REVIEW D                   | 3  |
| PLOS ONE                            | 3  |
| POLYMER TESTING                     | 3  |
| SOFT COMPUTING                      | 3  |



## Articles amb més impacte

Al 2019 s'han publicat 153\* articles en revistes situades al primer quartil d'alguna àrea temàtica del JCR. D'aquests, els 18 articles publicats a revistes de més impacte són:

PEREGO, A.M., TURITSYN, S.K. i [STALIUNAS, K.](#), 2018. Gain through losses in nonlinear optics. *LIGHT-SCIENCE & APPLICATIONS*, vol. 7. ISSN 2047-7538. DOI [10.1038/s41377-018-0042-9](#).

**Factor impacte 2018 = 14.000 – Q1**

CHENG, Y.-C. i [STALIUNAS, K.](#), 2018. Near-field flat focusing mirrors. *APPLIED PHYSICS REVIEWS*, vol. 5, no. 1. ISSN 1931-9401. DOI [10.1063/1.5022069](#).

**Factor impacte 2018 = 12.750 – Q1**

CENCINI, M. i PIGOLOTTI, S., 2018. Energetic funnel facilitates facilitated diffusion. *NUCLEIC ACIDS RESEARCH*, vol. 46, no. 2, pp. 558-567. ISSN 0305-1048. DOI [10.1093/nar/gkx1220](#).

**Factor impacte 2018 = 11.147 – Q1**

KAMPOUROPOULOS, K., ANDRADE, F., [SALA, E.](#), [GARCIA ESPINOSA, A.](#) i [ROMERAL, L.](#), 2018. Multiobjective Optimization of Multi-Carrier Energy System Using a Combination of ANFIS and Genetic Algorithms. *IEEE TRANSACTIONS ON SMART GRID*, vol. 9, no. 3, pp. 2276-2283. ISSN 1949-3053. DOI [10.1109/TSG.2016.2609740](#).

**Factor impacte 2018 = 10.486 – Q1**

PEREGO, A.M., SMIRNOV V, S., [STALIUNAS, K.](#), CHURKIN V, D. i WABNITZ, S., 2018. Self-Induced Faraday Instability Laser. *PHYSICAL REVIEW LETTERS*, vol. 120, no. 21. ISSN 0031-9007. DOI [10.1103/PhysRevLett.120.213902](#).

**Factor impacte 2018 = 9.227 – Q1**

PARK, J., DIES, M., LIN, Y., HORMOZ, S., SMITH-UNNA, S.E., QUINODOZ, S., HERNANDEZ-JIMENEZ, M.J., GARCIA-OJALVO, J., LOCKE, J.C.W. i ELOWITZ, M.B., 2018. Molecular Time Sharing through Dynamic Pulsing in Single Cells. *CELL SYSTEMS*, vol. 6, no. 2, pp. 216+. ISSN 2405-4712. DOI [10.1016/j.cels.2018.01.011](#).

**Factor impacte 2018 = 8.640 – Q1**

[FERRERES, G.](#), [BASSEGODA, A.](#), [HOYO, J.](#), [TORRENT-BURGUES, J.](#) i [TZANOV, T.](#), 2018. Metal-Enzyme Nanoaggregates Eradicate Both Gram-Positive and Gram-Negative Bacteria and Their Biofilms. *ACS APPLIED MATERIALS & INTERFACES*, vol. 10, no. 47, pp. 40434-40442. ISSN 1944-8244. DOI [10.1021/acsami.8b14949](#).

**Factor impacte 2018 = 8.456 – Q1**

[IVANOVA, A.](#), [IVANOVA, K.](#), [HOYO, J.](#), HEINZE, T., SANCHEZ-GOMEZ, S. i [TZANOV, T.](#), 2018. Layer-By-Layer Decorated Nanoparticles with Tunable Antibacterial and Antibiofilm Properties against Both Gram-Positive and Gram-Negative Bacteria. *ACS APPLIED MATERIALS & INTERFACES*, vol. 10, no. 4, pp. 3314-3323. ISSN 1944-8244. DOI [10.1021/acsami.7b16508](#).

**Factor impacte 2018 = 8.456 – Q1**

HACHICHA, A.A., [RODRIGUEZ, I.](#), GHENAI, C., 2018. Thermo-hydraulic analysis and numerical simulation of a parabolic trough solar collector for direct steam generation. *APPLIED ENERGY*, vol. 214, pp. 152-165. ISSN 0306-2619. DOI [10.1016/j.apenergy.2018.01.054](#).

**Factor impacte 2018 = 8.426 – Q1**

GUTIERREZ, E., FAVRE, F., BALCAZAR, N., [AMANI, A.](#) i [RIGOLA, J.](#), 2018. Numerical approach to study bubbles and drops evolving through complex geometries by using a level set - Moving mesh - Immersed boundary method. *CHEMICAL ENGINEERING JOURNAL*, vol. 349, pp. 662-682. ISSN 1385-8947. DOI [10.1016/j.cej.2018.05.110](#).

**Factor impacte 2018 = 8.355 – Q1**

KONSTANTINOOU, G., [CAPELLA, G.J.](#), POU, J. i CEBALLOS, S., 2018. Single-Carrier Phase-Disposition PWM Techniques for Multiple Interleaved Voltage-Source Converter Legs. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, vol. 65, no. 6, pp. 4466-4474. ISSN 0278-0046. DOI [10.1109/TIE.2017.2767541](#).

**Factor impacte 2018 = 7.503 – Q1**

[DELGADO-PRieto, M.](#), ADOLFO CARINO-CORRALES, J., JOSE SAUCEDO-DORANTES, J., DE JESUS ROMERO-TRONCOSO, R. i



ALFREDO OSORNIO-RIOS, R., 2018. Thermography-Based Methodology for Multifault Diagnosis on Kinematic Chain. *IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS*, vol. 14, no. 12, pp. 5553-5562. ISSN 1551-3203. DOI [10.1109/TII.2018.2816925](https://doi.org/10.1109/TII.2018.2816925).

**Factor impacte 2018 = 7.377 – Q1**

ZURITA, D., [DELGADO](#), M., CARINO, J.A. i [ORTEGA](#), J.A., 2018. Multimodal Forecasting Methodology Applied to Industrial Process Monitoring. *IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS*, vol. 14, no. 2, pp. 494-503. ISSN 1551-3203. DOI [10.1109/TII.2017.2755099](https://doi.org/10.1109/TII.2017.2755099).

**Factor impacte 2018 = 7.377 – Q1**

TEDESCO, F., OCAMPO-MARTINEZ, C., CASSAVOLA, A., [PUIG](#), V., 2018. Centralised and distributed command governor approaches for water supply systems management. *IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS*, vol. 48, no. 4, pp. 586-595. ISSN 2168-2216. DOI [10.1109/TSMC.2016.2612361](https://doi.org/10.1109/TSMC.2016.2612361).

**Factor impacte 2018 = 7.351 – Q1**

ELSAHARTY, M.A., [CANDELA](#), J.I. i RODRIGUEZ, P., 2018. Custom Power Active Transformer for Flexible Operation of Power Systems. *IEEE TRANSACTIONS ON POWER ELECTRONICS*, vol. 33, no. 7, pp. 5773-5783. ISSN 0885-8993. DOI [10.1109/TPEL.2017.2740360](https://doi.org/10.1109/TPEL.2017.2740360).

**Factor impacte 2018 = 7.224 – Q1**

HAYRAN, Z., KURT,H., [HERRERO](#), R., [BOTEY](#), M. i [STALIUNAS](#), K., 2018. All-dielectric self-cloaked structures. *ACS PHOTONICS*, vol. 5, no. 5, pp. 2068-2073. ISSN 2330-4022. DOI [10.1021/acsp Photonics.7b01608](https://doi.org/10.1021/acsp Photonics.7b01608).

**Factor impacte 2018 = 7.143 – Q1**

ZHANG, H., KRAMARENKO, M., OSMOND, J., TOUDERT, J. i [MARTORELL](#), J., 2018. Natural Random Nanotexturing of the Au Interface for Light Backscattering Enhanced Performance in Perovskite Solar Cells. *ACS PHOTONICS*, vol. 5, no. 6, pp. 2243-2250. ISSN 2330-4022. DOI [10.1021/acsp Photonics.8b00099](https://doi.org/10.1021/acsp Photonics.8b00099).

**Factor impacte 2018 = 7.143 – Q1**

SUAREZ SILGADO, S., CALDERON VALDIVIEZO, L., [GASSO DOMINGO](#), S. i [ROCA](#), X., 2018. Multi-criteria decision analysis to assess the environmental and economic performance of using recycled gypsum cement and recycled aggregate to produce concrete: The case of Catalonia (Spain). *RESOURCES CONSERVATION AND RECYCLING*, vol. 133, pp. 120-131. ISSN 0921-3449. DOI [10.1016/j.resconrec.2017.11.023](https://doi.org/10.1016/j.resconrec.2017.11.023).

**Factor impacte 2018 = 7.044 – Q1**

\*Els 290 articles en revistes indexades es distribueixen de la manera següent:

|           |     |        |
|-----------|-----|--------|
| Quartil 1 | 157 | 54,14% |
| Quartil 2 | 69  | 23.7%  |
| Quartil 3 | 49  | 16,90% |
| Quartil 4 | 15  | 5,17%  |



## Articles més citats

A data 31.12.2019 els 290 articles seleccionats havien rebut 952 citacions. 19 d'aquests articles havien rebut 10 o més citacions:

**18 citacions** – SALAT, M., PETKOVA, P., HOYO, J., PERELSHTEIN, I., GEDANKEN, A. i TZANOV, T., 2018. Durable antimicrobial cotton textiles coated sonochemically with ZnO nanoparticles embedded in an in-situ enzymatically generated bioadhesive. *CARBOHYDRATE POLYMERS*, vol. 189, pp. 198-203. ISSN 0144-8617. DOI [10.1016/j.carbpol.2018.02.033](https://doi.org/10.1016/j.carbpol.2018.02.033).

**Factor impacte 2018 = 6.044 – Q1**

**17 citacions** – ABBASI, H., ANTUNES, M. i VELASCO, J.I., 2018. Effects of Carbon Nanotubes/Graphene Nanoplatelets Hybrid Systems on the Structure and Properties of Polyetherimide-Based Foams. *POLYMERS*, vol. 10, no. 4. ISSN 2073-4360. DOI [10.3390/polym10040348](https://doi.org/10.3390/polym10040348).

**Factor impacte 2018 = 3.164 – Q1**

**17 citacions** – BASSEGODA, A., IVANOVA, K., RAMON, E. i TZANOV, T., 2018. Strategies to prevent the occurrence of resistance against antibiotics by using advanced materials. *APPLIED MICROBIOLOGY AND BIOTECHNOLOGY*, vol. 102, no. 5, pp. 2075-2089. ISSN 0175-7598. DOI [10.1007/s00253-018-8776-0](https://doi.org/10.1007/s00253-018-8776-0).

**Factor impacte 2018 = 3.670 – Q2**

**16 citacions** – TEJEDOR, G., SEGALAS, J., ROSAS-CASALS, M., 2018. Transdisciplinarity in higher education for sustainability: how discourses are approached in engineering education. *JOURNAL OF CLEANER PRODUCTION*, vol. 175, pp. 29-37. ISSN 0959-6526. DOI [10.1016/j.jclepro.2017.11.085](https://doi.org/10.1016/j.jclepro.2017.11.085).

**Factor impacte 2018 = 6.395 – Q1**

**14 citacions** – RUIZ, M., MUJICA, L.E., ALFEREZ, E., ACHO, L., TUTIVEN, C., VIDAL, Y., RODELLAR, J., POZO, F., 2018. Wind turbine fault detection and classification by means of image texture analysis. *MECHANICAL SYSTEMS AND SIGNAL PROCESSING*, vol. 107, pp. 149-167. ISSN 0888-3270. DOI [10.1016/j.ymsp.2017.12.035](https://doi.org/10.1016/j.ymsp.2017.12.035).

**Factor impacte 2018 = 5.005 – Q1**

**13 citacions** – BATTEGAZZORE, D., FRACHE, A., ABT, T. i MASPOCH, M.L., 2018. Epoxy coupling agent for PLA and PHB copolymer-based cotton fabric bio-composites. *COMPOSITES PART B-ENGINEERING*, vol. 148, pp. 188-197. ISSN 1359-8368. DOI [10.1016/j.compositesb.2018.04.055](https://doi.org/10.1016/j.compositesb.2018.04.055).

**Factor impacte 2018 = 6.864 – Q1**

**13 citacions** – HACHICHA, A.A., RODRIGUEZ, I., GHENAI, C., 2018. Thermo-hydraulic analysis and numerical simulation of a parabolic trough solar collector for direct steam generation. *APPLIED ENERGY*, vol. 214, pp. 152-165. ISSN 0306-2619. DOI [10.1016/j.apenergy.2018.01.054](https://doi.org/10.1016/j.apenergy.2018.01.054).

**Factor impacte 2018 = 8.426 – Q1**

**13 citacions** – IVANOVA, A., IVANOVA, K., HOYO, J., HEINZE, T., SANCHEZ-GOMEZ, S. i TZANOV, T., 2018. Layer-By-Layer Decorated Nanoparticles with Tunable Antibacterial and Antibiofilm Properties against Both Gram-Positive and Gram-Negative Bacteria. *ACS APPLIED MATERIALS & INTERFACES*, vol. 10, no. 4, pp. 3314-3323. ISSN 1944-8244. DOI [10.1021/acsami.7b16508](https://doi.org/10.1021/acsami.7b16508).

**Factor impacte 2018 = 8.456 – Q1**

**12 citacions** – ALCALA, E., PUIG, V., QUEVEDO, J., ESCOBET, T. i COMASOLIVAS, R., 2018. Autonomous vehicle control using a kinematic Lyapunov-based technique with LQR-LMI tuning. *CONTROL ENGINEERING PRACTICE*, vol. 73, pp. 1-12. ISSN 0967-0661. DOI [10.1016/j.conengprac.2017.12.004](https://doi.org/10.1016/j.conengprac.2017.12.004).

**Factor impacte 2018 = 3.232 – Q2**

**12 citacions** – GASPAR, K., CASALS, M. i GANGOLELLS, M., 2018. In situ measurement of façades with a low U-value: Avoiding deviations. *ENERGY AND BUILDINGS*, vol. 170, pp. 61-73. ISSN 0378-7788. DOI [10.1016/j.enbuild.2018.04.012](https://doi.org/10.1016/j.enbuild.2018.04.012).

**Factor impacte 2018 = 4.495 – Q1**



**12 citacions** – RODRIGUEZ, P., CITRO, C., [CANDELA](#), J.I., [ROCBERT](#), J. i [LUNA](#), A., 2018. Flexible Grid Connection and Islanding of SPC-Based PV Power Converters. En: IEEE Energy Conversion Congress and Exposition (ECCE), Montreal, CANADA, SEP 18-24, 2015, *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*, vol. 54, no. 3, pp. 2690-2702. ISSN 0093-9994. DOI [10.1109/TIA.2018.2800683](#).

**Factor impacte 2018 = 3.347 – Q1**

**12 citacions** – ZAMBRANO, M., TONDI, E., MANCINI, L., LANZAFAME, G., [TRIAS](#), F. X., ARZILLI, F., MATERAZZI, F., TORRIERI, S., 2018 Fluid flow simulation and permeability computation in deformed porous carbonate grainstones. *ADVANCES IN WATER RESOURCES*, vol. 115, pp. 95-111. ISSN 0309-1708. DOI [10.1016/j.advwatres.2018.02.016](#).

**Factor impacte 2018 = 3.673 – Q1**

**10 citacions** – BARRIAS, A., CASAS, J.R. i [VILLALBA](#), S., 2018. Embedded Distributed Optical Fiber Sensors in Reinforced Concrete Structures-A Case Study. *SENSORS*, vol. 18, no. 4. ISSN 1424-8220. DOI [10.3390/s18040980](#).

**Factor impacte 2018 = 3.031 – Q1**

**10 citacions** – [CASTEJON](#), P., HABIBI, K., SAFFAR, A., AJJI, A., [MARTINEZ](#), A.B. i [ARENCON](#), D., 2018. Polypropylene-Based Porous Membranes: Influence of Polymer Composition, Extrusion Draw Ratio and Uniaxial Strain. *POLYMERS*, vol. 10, no. 1. ISSN 2073-4360. DOI [10.3390/polym10010033](#).

**Factor impacte 2018 = 3.164 – Q1**

**10 citacions** – GOMEZ-MONTERDE, J., [SANCHEZ-SOTO](#), M. i [MASPOCH](#), M.L., 2018. Microcellular PP/GF composites: Morphological, mechanical and fracture characterization. *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*, vol. 104, pp. 1-13. ISSN 1359-835X. DOI [10.1016/j.compositesa.2017.10.014](#).

**Factor impacte 2018 = 6.282 – Q1**

**10 citacions** – LOPEZ-TORRES, C., [GARCIA](#), A., [RIBA](#), J.R., [ROMERAL](#), L., 2018. Design and optimization for vehicle driving cycle of rare-earth-free SynRM based on coupled lumped thermal and magnetic networks. *IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY*, vol. 67, no. 1, pp. 196-205. ISSN 0018-9545. DOI [10.1109/TVT.2017.2739020](#).

**Factor impacte 2018 = 5.339 – Q1**

**10 citacions** – [TEJEDOR](#), B., [CASALS](#), M. i [GANGOLELLS](#), M., 2018. Assessing the the influence of operating conditions and thermophysical properties on the accuracy of in-situ measured U-values using quantitative internal infrared thermography. *ENERGY AND BUILDINGS*, vol. 171, pp. 64-75. ISSN 0378-7788. DOI [10.1016/j.enbuild.2018.04.011](#).

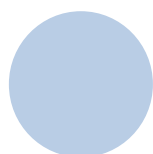
**Factor impacte 2018 = 4.495 – Q1**

**10 citacions** – ZAHID, M., SHAFIQ, N., ISA, M.H., [GIL](#), L., 2018. Statistical modeling and mix design optimization of fly ash based engineered geopolymer composite using response surface methodology. *JOURNAL OF CLEANER PRODUCTION*, vol. 194, pp. 483-498. ISSN 0959-6526. DOI [10.1016/j.jclepro.2018.05.158](#).

**Factor impacte 2018 = 6.395 – Q1**

**10 citacions** – ZHANG, H., KRAMARENKO, M., OSMOND, J., TOUDERT, J. i [MARTORELL](#), J., 2018. Natural Random Nanotexturing of the Au Interface for Light Backscattering Enhanced Performance in Perovskite Solar Cells. *ACS PHOTONICS*, vol. 5, no. 6, pp. 2243-2250. ISSN 2330-4022. DOI [10.1021/acsphotonics.8b00099](#).

**Factor impacte 2018 = 7.143 – Q1**



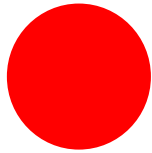
# Institucions

amb més col·laboracions

22 institucions amb 4 o més col·laboracions:

|   |    |
|---|----|
| CSIC - CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS          | 27 |
| UAB – UNIVERSITAT AUTÒNOMA DE BARCELONA                         | 16 |
| IRII INSTITUT DE ROBOTICA I INFORMATICA INDUSTRIAL              | 12 |
| UB- UNIVERSITAT DE BARCELONA                                    | 11 |
| ICREA - INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS       | 11 |
| CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE             | 10 |
| CNR - CONSIGLIO NAZIONALE DELLE RICERCHE                        | 9  |
| CIBER - CENTRO DE INVESTIGACION BIOMEDICA EN RED                | 8  |
| CIMNE - CENTRE INTERNACIONAL DE METODES NUMERICIS EN ENGINYERIA | 6  |
| UNIVERSIDAD LOYOLA ANDALUCIA                                    | 6  |
| UdG - UNIVERSITAT DE GIRONA                                     | 6  |
| NTNU - NORWEGIAN UNIVERSITY OF SCIENCE TECHNOLOGY               | 5  |
| TOBB EKONOMI VE TEKNOLOJI UNIVERSITY                            | 5  |
| SBI CONNECTORS ESPANA   | 4  |
| SEAT SA   | 4  |
| AMIRKABIR UNIVERSITY OF TECHNOLOGY                              | 4  |
| BSC - BARCELONA SUPERCOMPUTER CENTER                            | 4  |
| UPF – UNIVERSITAT POMPEU FABRA                                  | 4  |
| TERMO FLUIDS SL   | 4  |
| UNIVERSIDADE TECNOLOGICA FEDERAL DO PARANA                      | 4  |
| UNIVERSITY OF CAMERINO  | 4  |
| IREC- INSTITUT DE RECERCA EN ENERGIA DE CATALUNYA IREC          | 4  |





## Països amb més col·laboracions

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

|                 |    |
|-----------------|----|
| ITALY           | 24 |
| USA             | 16 |
| PEOPLES R CHINA | 12 |
| ENGLAND         | 11 |
| FRANCE          | 11 |
| IRAN            | 10 |
| GERMANY         | 9  |
| BRAZIL          | 7  |
| MEXICO          | 7  |
| POLAND          | 7  |
| RUSSIA          | 6  |
| NORWAY          | 5  |
| TURKEY          | 5  |
| DENMARK         | 4  |
| JAPAN           | 4  |
| AUSTRALIA       | 3  |
| GREECE          | 3  |
| NETHERLANDS     | 3  |
| SCOTLAND        | 3  |
| URUGUAY         | 3  |



## Àrees temàtiques amb més articles

22 grans àrees temàtiques amb 5 o més articles:

|  |    |
|--|----|
| ENGINEERING                            | 96 |
| MATERIALS SCIENCE                      | 36 |
| PHYSICS                                | 31 |
| POLYMER SCIENCE                        | 28 |
| AUTOMATION CONTROL SYSTEMS             | 24 |
| ENERGY FUELS                           | 24 |
| COMPUTER SCIENCE                       | 23 |
| MATHEMATICS                            | 23 |
| OPTICS                                 | 23 |
| CHEMISTRY                              | 16 |
| SCIENCE TECHNOLOGY OTHER TOPICS        | 15 |
| WATER RESOURCES                        | 14 |
| CONSTRUCTION BUILDING TECHNOLOGY       | 13 |
| MECHANICS                              | 13 |
| ENVIRONMENTAL SCIENCES ECOLOGY         | 12 |
| INSTRUMENTS INSTRUMENTATION            | 11 |
| BIOCHEMISTRY MOLECULAR BIOLOGY         | 8  |
| OPERATIONS RESEARCH MANAGEMENT SCIENCE | 8  |
| OPHTHALMOLOGY                          | 7  |
| METEOROLOGY ATMOSPHERIC SCIENCES       | 6  |
| TELECOMMUNICATIONS                     | 6  |
| ASTRONOMY ASTROPHYSICS                 | 5  |



## Impacte normalitzat

L'impacte normalitzat es calcula comparant les cites rebudes pels articles indexats del Campus de Terrassa en una àrea concreta amb la mitjana mundial del mateix àmbit temàtic. Ens permet comparar, per tant, l'impacte d'articles de diferents àmbits temàtics.

Les dades corresponents a tot el món s'han extret de ESI (*Essential Science Indicators*). Aquesta eina mostra estadístiques que permeten estudiar les tendències en investigació científica. Divideix el coneixement en 22 àrees de recerca. Cada revista està assignada a una d'aquestes àrees. Més informació:

<http://help.incites.clarivate.com/inCites2Live/8300-TRS.html>

Per fer aquest informe s'han contemplat les 11 categories ESI presents a 5 o més articles indexats del Campus de Terrassa publicats el 2018:

| Camp de recerca ESI    | Àrees de recerca WoS representades   | Public. WoS | Cites rebudes WoS | Cites/pub. WoS | ESI citation rate | Impacte normalitzat |
|------------------------|--|-------------|-------------------|----------------|-------------------|---------------------|
| Biology & Biochemistry | -Biochemistry molecular biology<br>-Biophysics<br>- Mathematical computational biology   | 10          | 28                | 2.80           | 3.58              | <b>0.78</b>         |
| Chemistry              | -Chemistry<br>-Spectroscopy<br>-Thermodynamics   | 21          | 89                | 4.24           | 4.09              | <b>1.04</b>         |
| Clinical Medicine      | -Ophthalmology<br>-Radiology nuclear medicine<br>medical imaging   | 11          | 16                | 1.45           | 2.65              | <b>0.55</b>         |
| Computer Science       | -Computer Science<br>-Telecommunications   | 25          | 78                | 3.12           | 2.34              | <b>1.33</b>         |
| Engineering            | -Automation Control Systems<br>-Construction Building Technology<br>-Energy Fuels<br>-Engineering<br>-Instruments Instrumentation<br>-Mechanics<br>-Nuclear Science Technology<br>-Operations Research Management Science<br>- Robotics<br>-Science Technology Other Topics<br>-Transportation | 146         | 533               | 3.65           | 2.79              | <b>1.31</b>         |
| Environment / Ecology  | -Environmental Sciences Ecology<br>-Public Environmental Occupational Health<br>-Water Resources   | 24          | 85                | 3.54           | 3.13              | <b>1.13</b>         |
| Geosciences            | -Geochemistry Geophysics<br>-Geology<br>-Meteorology Atmospheric Sciences<br>- Oceanography<br>-Physical Geography<br>-Remote Science  | 15          | 27                | 1.80           | 2.73              | <b>0.66</b>         |
| Materials Science      | -Materials Science<br>-Polymer Science   | 58          | 255               | 4.40           | 4.58              | <b>0.96</b>         |



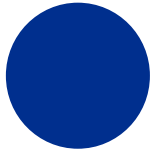
|                  |                         |    |     |      |      |             |
|------------------|-------------------------|----|-----|------|------|-------------|
| Mathematics      | -Mathematics            | 23 | 49  | 2.13 | 1.12 | <b>1.90</b> |
| Physics          | -Optics<br>- Physics    | 47 | 131 | 2.79 | 3.04 | <b>0.92</b> |
| Space<br>Science | -Astronomy Astrophysics | 5  | 29  | 5.80 | 4.68 | <b>1.24</b> |

ESI ofereix la mitjana mundial de cites rebudes durant un any concret per a cada àrea de recerca (*ESI citation rate*). La comparació entre la mitjana de cites rebudes a WoS pels articles del Campus de Terrassa i la mitjana mundial ens donarà l'impacte normalitzat:

Cal tenir present que un mateix article pot estar en més d'una àrea de recerca Web of Science.

Les cites rebudes a WoS s'han estret el 04.02.2020.

Les *ESI citation rates* corresponents s'han estret a 09.01.2020



# Almetrics

18 articles amb un valor "Almetric" més alt a 3 a data 05.02.2020:

**Almetric = 54** – [ROSAS-CASALS](#), M., VALVERDE, S. i SOLE, R., 2018. A Simple Spatiotemporal Evolution Model of a Transmission Power Grid. *IEEE SYSTEMS JOURNAL*, vol. 12, no. 4, pp. 3747-3754. ISSN 1932-8184. DOI [10.1109/JSYST.2018.2800766](#).

**Factor impacte 2018 = 4.463 – Q1**

**Almetric = 10** – BARA, S. i [ESCOFET](#), J., 2018. On lamps, walls, and eyes: The spectral radiance field and the evaluation of light pollution indoors. *JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER*, vol. 205, pp. 267-277. ISSN 0022-4073. DOI [10.1016/j.jqsrt.2017.09.022](#).

**Factor impacte 2018 = 2.955 – Q1**

**Almetric = 10** – [BASSEGODA](#), A., [IVANOVA](#), K., [RAMON](#), E. i [TZANOV](#), T., 2018. Strategies to prevent the occurrence of resistance against antibiotics by using advanced materials. *APPLIED MICROBIOLOGY AND BIOTECHNOLOGY*, vol. 102, no. 5, pp. 2075-2089. ISSN 0175-7598. DOI [10.1007/s00253-018-8776-0](#).

**Factor impacte 2018 = 3.670 – Q2**

**Almetric = 9** – QUINTERO-QUIROZ, C., [TORRENT](#), M.C. i [MASOLLER](#), C., 2018. State space reconstruction of spatially extended systems and of time delayed systems from the time series of a scalar variable. En: 19th MEDYFINOL Conference, Valdivia, CHILE, DEC 05-09, 2016, *CHAOS*, vol. 28, no. 7. ISSN 1054-1500. DOI [10.1063/1.5023485](#).

**Factor impacte 2018 = 2.643 – Q1**

**Almetric = 6** – CASTILLO, C., [FERNANDEZ](#), V., [SALLAN](#), J., 2018. The six emotional stages of organizational change. *JOURNAL OF ORGANIZATIONAL CHANGE MANAGEMENT*, vol. 31, no. 3, pp. 468-493. ISSN 0953-4814. DOI [10.1108/JOCM-05-2016-0084](#).

**Factor impacte 2018 = 1.185 – Q4**

**Almetric = 6** – OLMEDO-TORRE, N., MARTINEZ MARTINEZ, M., PEREZ-POCH, A. i [AMANTE](#), B., 2018. Perception of the acquisition of generic competences in engineering degrees. *INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION*, vol. 28, no. 2, pp. 495-506. ISSN 0957-7572. DOI [10.1007/s10798-016-9390-z](#).

**Factor impacte 2018 = 1.319 – Q3**

**Almetric = 5** – CASTIZO-OLIER, J., IRURTIA-AMIGO, A., JEMNI, N., CARRASCO-MARGINET, M., [FERNANDEZ-GARCIA](#), R., RODRIGUEZ, F.A., 2018. Bioelectrical impedance vector analysis (BIVA) in sport and exercise: systematic review and future perspectives. *PLOS ONE*, vol. 13, no. 6, art. E0197957. ISSN 1932-6203. DOI [10.1371/journal.pone.0197957](#).

**Factor impacte 2018 = 2.776 – Q2**

**Almetric = 4** – [ARIAS](#), F.J., 2018. Deliberate Salinization of Seawater for Desalination of Seawater. *JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME*, vol. 140, no. 3. ISSN 0195-0738. DOI [10.1115/1.4038053](#).

**Factor impacte 2018 = 2.759 – Q3**

**Almetric = 4** – [LUPON](#), M., ARMAYONES, M. i [CARDONA](#), G., 2018. Quality of life among parents of children with visual impairment: A literature review. *RESEARCH IN DEVELOPMENTAL DISABILITIES*, vol. 83, pp. 120-131. ISSN 0891-4222. DOI [10.1016/j.ridd.2018.08.013](#).

**Factor impacte 2018 = 1.872 – Q1**

**Almetric = 4** – [MERCEDES](#), L., [GIL](#), L. i [BERNAT-MASO](#), E., 2018. Mechanical performance of vegetal fabric reinforced cementitious matrix (FRCM) composites. *CONSTRUCTION AND BUILDING MATERIALS*, vol. 175, pp. 161-173. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2018.04.171](#).

**Factor impacte 2018 = 4.046 – Q1**

**Almetric = 3** – ALZABEN, Z., [CARDONA](#), G. ZAPATA, M.A., ZABEN, A., 2018. Interocular asymmetry in choroidal thickness and retinal sensitivity in high myopia. *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*, vol. 38, no. 8, pp. 1620-1628. ISSN 0275-004X. DOI [10.1097/IAE.0000000000001756](#).



**Factor impacte 2018 = 3.815 – Q1**

**Altmetric = 3** – BENVENISTE, G., RALLO, H., [CANALS CASALS](#), L., MERINO, A. i [AMANTE](#), B., 2018. Comparison of the state of Lithium-Sulphur and lithium-ion batteries applied to electromobility. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, vol. 226, pp. 1-12. ISSN 0301-4797. DOI [10.1016/j.jenvman.2018.08.008](#).

**Factor impacte 2018 = 4.865 – Q1**

**Altmetric = 3** – [BERNAT-MASO](#), E., [GIL](#), L., [MERCEDÉS](#), L. i [ESCRIG](#), C., 2018. Mechanical properties of pre-stressed fabric-reinforced cementitious matrix composite (PFRCM). *CONSTRUCTION AND BUILDING MATERIALS*, vol. 191, pp. 228-241. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2018.09.210](#).

**Factor impacte 2018 = 4.046 – Q1**

**Altmetric = 3** – GAWRYLA, M.D., ARNDT, E.M., [SANCHEZ-SOTO](#), M. i [SCHIRALDI](#), D.A., 2018. Poly(Amide-imide) Aerogel Materials Produced via an Ice Templating Process. *MATERIALS*, vol. 11, no. 2. ISSN 1996-1944. DOI [10.3390/ma11020233](#).

**Factor impacte 2018 = 2.972 – Q2**

**Altmetric = 3** – [GIL](#), F., [YAGUE-FABRA](#), J.A., [SUNE](#), A., [JAUREGUI-BECKER](#), J.M. i [WITS](#), W.W., 2018. A geometrical model for managing surface productivity of U-shaped assembly lines. *CIRP ANNALS-MANUFACTURING TECHNOLOGY*, vol. 67, no. 1, pp. 479-482. ISSN 0007-8506. DOI [10.1016/j.cirp.2018.04.047](#).

**Factor impacte 2018 = 3.826 – Q1**

**Altmetric = 3** – [GKIKAS](#), A.; [OBISO](#), V.; [PEREZ](#), C.; [JORBA](#), O.; [HATZIANASTASSIOU](#), N.; [VENDRELL](#), L.; [BASART](#), S.; [SOLOMOS](#), S.; [GASSO](#), S.; [BALDASAMO](#), J., 2018. Direct radiative effects during intense Mediterranean desert dust outbreaks. *ATMOSPHERIC CHEMISTRY AND PHYSICS*, vol. 18, no. 12, pp. 8757-8787. ISSN 1680-7316. DOI [10.5194/acp-18-8757-2018](#).

**Factor impacte 2018 = 5.668 – Q1**

**Altmetric = 3** – [OLMEDO-TORRE](#), N., [SANCHEZ CARRACEDO](#), F., [SALAN BALLESTEROS](#), M.N., [LOPEZ](#), D., [PEREZ-POCH](#), A. i [LOPEZ-BELTRAN](#), M., 2018. Do Female Motives for Enrolling Vary According to STEM Profile? *IEEE TRANSACTIONS ON EDUCATION*, vol. 61, no. 4, SI, pp. 289-297. ISSN 0018-9359. DOI [10.1109/TE.2018.2820643](#).

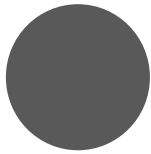
**Factor impacte 2018 = 2.214 – Q2**

**Altmetric = 3** – [WANG](#), B., [SWITOWSKI](#), K., [COJOCARU](#), C., [ROPPO](#), V., [SHENG](#), Y., [SCALORA](#), M., [KISIELEWSKI](#), J., [PAWLAK](#), D., [VILASECA](#), R., [AKHOUAYRI](#), H., [KROLIKOWSKI](#), W., [TRULL](#), J., 2018. Comparative analysis of ferroelectric domain statistics via nonlinear diffraction in random nonlinear materials. *OPTICS EXPRESS*, vol. 26, no. 2, pp. 1083-1096. ISSN 1094-4087. DOI [10.1364/OE.26.001083](#).

**Factor impacte 2018 = 3.561 – Q1**

Les Altmetrics molt sovint s'han presentat com a mètriques alternatives a les utilitzades tradicionalment, com són el factor d'impacte de les revistes i els índexs personals de citació com l'índex h. Les altmetrics d'un article van més enllà del seu nombre de cites, cobreixen altres aspectes del seu impacte, com són el nombre de bases de dades i de coneixement que la refereixen, les seves visualitzacions, les seves descàrregues, o les seves mencions en els mitjans de comunicació social i en els mitjans de notícies.

Per fer aquest informe hem utilitzat l'*Altmetric Attention Score* ([Altmetric.com](#)). Es tracta d'un indicador compost (mitjana ponderada de mesures i fonts heterogènies) que vol mesurar l'atenció rebuda a Internet i és utilitzat tant per [UPCommons](#) com per [FUTUR](#).



## Articles més citats 2014-2018

### 20 articles més citats publicats entre el 2014 i el 2018 (a 31.12.2019):

**154 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](https://doi.org/10.1088/2040-8978/18/8/083001).

**148 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](https://doi.org/10.1109/TIE.2014.2336608).

**140 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](https://doi.org/10.3390/s16050748).

**122 citacions** - [Ardanuy](#), M.; Claramunt, J.; Toledo Filho, R.D., 2015. Cellulosic fiber reinforced cement-based composites: A review of recent research. *CONSTRUCTION AND BUILDING MATERIALS*. Vol. 79, p. 115-128. ISSN 0950-0618. DOI [10.1016/j.conbuildmat.2015.01.035](https://doi.org/10.1016/j.conbuildmat.2015.01.035).

**121 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](https://doi.org/10.1088/2040-8978/18/6/063001).

**115 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](https://doi.org/10.1016/j.tre.2016.03.009).

**107 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](https://doi.org/10.1016/j.progpolymsci.2013.11.002).

**94 citacions** - Rouzbehi, K.; Miranian, A.; [Candela](#), J.I.; [Luna](#), A.; [Rodriguez](#), P., 2015. A Generalized Voltage Droop Strategy for Control of Multiterminal DC Grids. *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*. Vol. 51, núm. 1, p. 607-618. ISSN 0093-9994. DOI [10.1109/TIA.2014.2332814](https://doi.org/10.1109/TIA.2014.2332814).

**93 citacions** - [Petkova](#), P.; Francesko, A.; [Fernandes](#), 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](https://doi.org/10.1021/am404852d).

**89 citacions** - Dobre, C.; [Xhafa](#), F., 2014. Intelligent services for big data science. *FUTURE GENERATION COMPUTER SYSTEMS*, vol. 37, pp. 267-281. ISSN 0167-739X. DOI [10.1016/j.future.2013.07.014](https://doi.org/10.1016/j.future.2013.07.014).



- 54 citacions** – Adrados, B.; Sanchez, O.; Arias, C.A.; Becares, E.; Garrido, L.; Mas, J.; Brix, H.; [Morato](#), J., 2014. Microbial communities from different types of natural wastewater treatment systems: Vertical and horizontal flow constructed wetlands and biofilters. *WATER RESEARCH*. Vol. 55, p. 304-312. ISSN 0043-1354. DOI [10.1016/j.watres.2014.02.011](#)
- 83 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](#).
- 79 citacions** – Rouzbehi, K.; Miranian, A.; [Luna](#), A.; Rodriguez, P., 2014. DC voltage control and power sharing in multiterminal DC grids based on optimal DC power flow and voltage-droop strategy. *IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS*, 11 Juliol 2014, vol. 2, núm. 4, pp. 1171-1180. ISSN 2168-6777. DOI [10.1109/JESTPE.2014.2338738](#).
- 77 citacions** – Gonzalez, A.; [Riba](#), J.; Rius, A.; Puig, R., 2015. Optimal sizing of a hybrid grid-connected photovoltaic and wind power system. *APPLIED ENERGY*, vol. 154, pp. 752-762. ISSN 0306-2619. DOI [10.1016/j.apenergy.2015.04.105](#).
- 72 citacions** – [Luna](#), A., [Rocabert](#), J., [Candela](#), J., [Hermoso](#), J.R., Teodorescu, R., Blaabjerg, F., Rodriguez, P. Grid voltage synchronization for distributed generation systems under grid fault conditions. *IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS*, 01 Juliol 2015, vol. 51, núm. 4, pp. 3414-3425. ISSN 0093-9994. DOI [10.1109/TIA.2015.2391436](#).
- 70 citacions** – Fakhouri, F.; Martelli, S.; Caon, T.; [Velasco](#) J.I.; Innocentini, L., 2015. Edible films and coatings based on starch/gelatin: film properties and effect of coatings on quality of refrigerated red crimson grapes. *POSTHARVEST BIOLOGY AND TECHNOLOGY*, vol. 109, pp. 57-64. ISSN 0925-5214. DOI [10.1016/j.postharvbio.2015.05.015](#).
- 67 citacions** – Tlidi, M.; [Staliunas](#), K.; Panajotov, K.; Vladimirov, A.G.; Clerc, M.G., 2014. Localized structures in dissipative media: from optics to plant ecology. *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. Vol. 372, núm. 2027, SI. ISSN 1364-503X. DOI [10.1098/rsta.2014.0101](#).
- 66 citacions** – [Blesa](#), J.; [Rotondo](#), D.; Puig, V.; [Nejjari](#), F., 2014. FDI and FTC of wind turbines using the interval observer approach and virtual actuators/sensors. *CONTROL ENGINEERING PRACTICE*. Vol. 24, p. 138-155. ISSN 0967-0661. DOI [10.1016/j.conengprac.2013.11.018](#).
- 61 citacions** – [Canals](#), L.; Martinez-Laserna, E.; [Amante](#), 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](#).
- 58 citacions** – Darus, R., Pou, J., Konstantinou, G., Ceballos, S., Picas, R., Agelidis, V., 2015 A modified voltage balancing sorting algorithm for the modular multilevel converter: Evaluation for staircase and phase-disposition PWM. *IEEE TRANSACTIONS ON POWER ELECTRONICS*, vol. 30, núm. 8, pp. 4119-4127. ISSN 0885-8993. DOI [10.1109/TPEL.2014.23590056](#).





## Articles indexats publicats per investigadors del Campus de Terrassa, 2018: 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 2018.
- Els autors signin com a investigadors del Campus de Terrassa de la UPC o d'alguna de les seves escoles<sup>1</sup>.
- Pertanyin a alguna revista indexada al JCR (Journal Citation Reports) en l'edició del 2018.

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](mailto:biblioteca.campus.terrassa@upc.edu)



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<sup>1</sup> La cerca efectuada és la següent:

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