




Accessibilitat en obert dels articles UPC publicats el 2017

Anàlisi dels 25 articles més citats

Octubre 2018

Introducció

El present informe mostra els 25 articles de revista publicats el 2017 per investigadors de la UPC que han rebut més citacions durant el període 1 de gener 2017 –11 d'octubre de 2018, indicant la seva disponibilitat actual en accés obert a través de diverses plataformes:

 accés obert  accés obert amb període embargament  accés tancat

S'inclouen enllaços a la informació bibliogràfica completa de la majoria d'articles a [FUTUR Portal de la Producció Científica dels Investigadors de la UPC](#).

La selecció dels articles més citats publicats per autors UPC al 2017 s'ha realitzat amb [Web of Science – Core Collection](#), La relació d'articles està ordenada d'acord amb el nombre de citacions rebudes segons aquesta base de dades.

Els recomptes de citacions provenen de [Web of Science – Core Collection](#), [Scopus](#) i [Google Scholar](#).










La puntuació de mètriques alternatives s'ha extret d'[Almetric.com](#)¹ sempre que la dada sigui disponible. Aquest indicador mesura la presència de publicacions a les xarxes socials i altres mitjans digitals










L'accessibilitat dels articles s'ha comprovat a les plataformes següents:










- Les editorials de les revistes on es van publicar originalment els articles
- [UPCommons](#), el dipòsit institucional de la UPC
- [ArXiv.org](#)
- [ResearchGate](#)²












¹ Més informació a <https://www.altmetric.com/about-our-data/our-sources/>










² Els articles es consideren publicats en accés obert a ResearchGate quan es pot accedir al text complet sense demanar-ho als autors.










Articles de revista publicats el 2017 per autors UPC	Unitat UPC	Nombre de citacions a WoS	Nombre de citacions a Scopus	Nombre de citacions a Google Scholar	Puntuació Altmetric	AO Editorial	AO UPCommons	AO arXiv.org	AO ResearchGate
<p>Multi-messenger Observations of a Binary Neutron Star Merger By: Abbott, B. P.; Abbott, R.; Abbott, T. D.; André, M. et al. Group Author(s): LIGO Sci Collaboration & Virgo; Fermi GBM; INTERGRAL; et al. ASTROPHYSICAL JOURNAL LETTERS Volume: 848 Issue: 2 Article Number: L12 Published: OCT 20 2017 DOI: 10.3847/2041-8213/aa91c9 https://futur.upc.edu/21714541</p>	LAB	209	281	399	1545				
<p>Genetic effects on gene expression across human tissues By: Aguet, Francois; Brown, Andrew A.; Castel, Stephane E.; Muñoz-Aguirre, M. et al. Group Author(s): Gtex Consortium; Laboratory Data Analysis; Pathology; et al. NATURE Volume: 550 Issue: 7675 Pages: 204-+ Published: OCT 12 2017 DOI: 10.1038/nature24277 http://hdl.handle.net/2117/122291</p>	EIO	116	135	179	582				
<p>Roadmap on structured light By: Rubinsztein-Dunlop, Halina; Forbes, Andrew; Berry, M. V.; Belmonte, A.; Torres, JP; et al. JOURNAL OF OPTICS Volume: 19 Issue: 1 Article Number: 013001 Published: JAN 2017 DOI: 10.1088/2040-8978/19/1/013001 https://futur.upc.edu/19450872</p>	TSC	68	100	141	12				










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<p>Ceria Catalysts at Nanoscale: How Do Crystal Shapes Shape Catalysis? By: Trovarelli, Alessandro; Llorca, Jordi ACS CATALYSIS Volume: 7 Issue: 7 Pages: 4716-4735 Published: JUL 2017 DOI: 10.1021/acscatal.7b01246 https://futur.upc.edu/21476826</p>	EQ	40	49	58	1				
<p>A Comprehensive Evaluation of the Activity and Selectivity Profile of Ligands for RGD-binding Integrins By: Kapp, Tobias G.; Rechenmacher, Florian; Neubauer, Stefanie; Mas, Carlos.; et al. SCIENTIFIC REPORTS Volume: 7 Article Number: 39805 Published: JAN 11 2017 https://doi.org/10.1038/srep39805 https://futur.upc.edu/19681538</p>	CMEM	40	45	56	1				
<p>Multiscale Combinatorial Grouping for Image Segmentation and Object Proposal Generation By: Pont-Tuset, Jordi; Arbelaez, Pablo; Barron, Jonathan T.; Marqués, Ferran; et al. IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE Volume: 39 Issue: 1 Pages: 128-140 Published: JAN 2017 DOI: 10.1109/TPAMI.2016.2537320 https://futur.upc.edu/19671577</p>	TSC	33	52	168	3				

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<p>Surface Faceting and Reconstruction of Ceria Nanoparticles By: Yang, Chengwu; Yu, Xiaojuan; Heissler, Stefan; Llorca, Jordi; et al. ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 56 Issue: 1 Pages: 375-379 Published: JAN 2 2017 DOI: 10.1002/anie.201609179 https://futur.upc.edu/19856637</p>	EQ	24	27	32	61				
<p>Origin of passivation in hole-selective transition metal oxides for crystalline silicon heterojunction solar cells By: Gerling, Luis G.; Voz, Cristobal; Alcubilla, Ramon; Puigdollers, Joaquim JOURNAL OF MATERIALS RESEARCH Volume: 32 Issue: 2 Pages: 260-268 Published: JAN 2017 DOI: 10.1557/jmr.2016.453 https://futur.upc.edu/19840829</p>	EEL	24	22	28					
<p>Gaia Data Release 1 Open cluster astrometry: performance, limitations, and future prospects By: van Leeuwen, F.; Vallenari, A.; Jordi, C.; Girona, Sergi; et al. Group Author(s): Gaia Collaboration ASTRONOMY & ASTROPHYSICS Volume: 601 Article Number: A19 Published: MAY 2017 DOI: 10.1051/0004-6361/201730552</p>	BSC	23	24	39	18				

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<p>Identifying vital edges in Chinese air route network via memetic algorithm By: Du Wenbo; Liang Boyuan; Yan Gang; Lordan, Oriol, et al. CHINESE JOURNAL OF AERONAUTICS Volume: 30 Issue: 1 Pages: 330-336 Published: FEB 2017 DOI: 10.1016/j.cja.2016.12.001 https://futur.upc.edu/21580279</p>	OE	22	24	27	1				
<p>Superior performance of V2O5 as hole selective contact over other transition metal oxides in silicon heterojunction solar cells By: Almora, Osbel; Gerling, Luis G.; Voz, Cristobal; Alcubilla, Ramon; Puigdollers, Joaquim; et al. SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 168 Pages: 221-226 Published: AUG 2017 DOI: 10.1016/j.solmat.2017.04.042 https://futur.upc.edu/20330276</p>	EEL	18	16	20	2				
<p>A polarized fast radio burst at low Galactic latitude By: Petroff, E.; Burke-Spolaor, S.; Keane, E. F.; Michel, André; et al. Group Author(s): ANTARES Collaboration; H E S S Collaboration MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 469 Issue: 4 Pages: 4465-4482 Published: AUG 2017 DOI: 10.1093/mnras/stx1098 https://futur.upc.edu/21478403</p>	LAB	18	20	31	190				

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<p>Statistical fault detection in photovoltaic systems By: Garoudja, Elyes; Harrou, Fouzi; Sun, Ying; Silvestre, Santiago; et al. SOLAR ENERGY Volume: 150 Pages: 485-499 Published: JUL 1 2017 DOI: 10.1016/j.solener.2017.04.043 https://futur.upc.edu/20568844</p>	EEL	18	23	28					
<p>Energy- and Spectrum-Efficient User Association in Millimeter-Wave Backhaul Small-Cell Networks By: Mesodiakaki, Agapi; Adelantado, Ferran; Alonso, Luis; et al. IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY Volume: 66 Issue: 2 Pages: 1810-1821 Published: FEB 2017 DOI: 10.1109/TVT.2016.2565539 https://futur.upc.edu/19766298</p>	TSC	15	16	20					
<p>Building-integrated rooftop greenhouses: An energy and environmental assessment in the mediterranean context By: Nadal, Ana; Liorach-Massana, Pere; Cuerva, Eva; Josa, Alejandro; et al. APPLIED ENERGY Volume: 187 Pages: 338-351 Published: FEB 1 2017 DOI: 10.1016/j.apenergy.2016.11.051 https://futur.upc.edu/19307115</p>	EPC /DECA	15	15	23					

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<p>Fully bio-based aromatic-aliphatic copolyesters: poly(butylene furandicarboxylate-co-succinate)s obtained by ring opening polymerization</p> <p>By: Carlos Morales-Huerta, Juan; Batista Ciulik, Claudio; Martinez de Ilarduya, Antxon; Muñoz Guerra, Sebastian. ; et al.</p> <p>POLYMER CHEMISTRY Volume: 8 Issue: 4 Pages: 748-760 Published: JAN 28 2017 DOI: 10.1039/C6PY01879C https://futur.upc.edu/19652722</p>	EQ	15	16	17	2				
<p>Quantification of network structural dissimilarities</p> <p>By: Schieber, Tiago A.; Carpi, Laura; Diaz-Guilera, Albert; Masoller, Cristina; et al.</p> <p>NATURE COMMUNICATIONS Volume: 8 Article Number: 13928 Published: JAN 9 2017 DOI: 10.1038/ncomms13928 https://futur.upc.edu/19668051</p>	FIS	15	20	36	45				
<p>Data-Based Models for the Prediction of Dam Behaviour: A Review and Some Methodological Considerations</p> <p>By: Salazar, Fernando; Moran, Rafael; Toledo, Miguel A.; Oñate, Eugenio</p> <p>ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING Volume: 24 Issue: 1 Pages: 1-21 Published: JAN 2017 DOI: 10.1007/s11831-015-9157-9 https://futur.upc.edu/19708175</p>	CIMNE	15	20	34					

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<p>Assessing the urban heat island and its energy impact on residential buildings in Mediterranean climate: Barcelona case study</p> <p>By: Salvati, Agnese; Roura, Helena Coch; Cecere, Carlo ENERGY AND BUILDINGS Volume: 146 Pages: 38-54 Published: JUL 1 2017 DOI: 10.1016/j.enbuild.2017.04.025 https://futur.upc.edu/20318324</p>	TA	14	17	31					
<p>Anisotropy-induced photonic bound states in the continuum</p> <p>By: Gomis-Bresco, Jordi; Artigas, David; Torner, Lluís NATURE PHOTONICS Volume: 11 Issue: 4 Pages: 232-236 Published: APR 2017 DOI: 10.1038/nphoton.2017.31 https://futur.upc.edu/20096113</p>	TSC/FIS /ICFO	14	14	23	3				
<p>Mixed-Integer-Linear- Programming-Based Energy Management System for Hybrid PV-Wind-Battery Microgrids: Modeling, Design, and Experimental Verification</p> <p>By: Luna, Adriana C.; Diaz, Nelson L.; Graells, Moises; et al. IEEE TRANSACTIONS ON POWER ELECTRONICS Volume: 32 Issue: 4 Pages: 2769-2783 Published: APR 2017 DOI: 10.1109/TPEL.2016.2581021 https://futur.upc.edu/19707871</p>	EQ	14	22	42					

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<p>Distributed Population Dynamics: Optimization and Control Applications By: Barreiro-Gomez, Julian; Obando, German; Quijano, Nicanor IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS Volume: 47 Issue: 2 Pages: 304-314 Published: FEB 2017 DOI: 10.1109/TSMC.2016.2523934 https://futur.upc.edu/19681091</p>	IRII	14	14	45					
<p>Centralized Protection Strategy for Medium Voltage DC Microgrids By: Monadi, Mehdi; Gavriluta, Catalin; Luna, Alvaro; Candela, José Ignacio; Rodriguez, Pedro IEEE TRANSACTIONS ON POWER DELIVERY Volume: 32 Issue: 1 Pages: 430-440 Published: FEB 2017 DOI: 10.1109/TPWRD.2016.2600278 https://futur.upc.edu/19376209</p>	DEE	14	13	22					
<p>A comparison of Eulerian and Lagrangian transport and non-linear reaction algorithms By: Benson, David A.; Aquino, Tomas; Bolster, Diogo; Henri, C.V; Fernandez-Garcia, Daniel; et al. ADVANCES IN WATER RESOURCES Volume: 99 Pages: 15-37 Published: JAN 2017 DOI: 10.1016/j.advwatres.2016.11.003 https://futur.upc.edu/19343064</p>	DECA	14	14	20					
<p>Building bridges for innovation in ageing: Synergies between action groups of the EIP on AHA By: Bousquet, J.; Bewick, M.; Cano, A.; Català, Andreu; et al. JOURNAL OF NUTRITION HEALTH & AGING Vol: 21 Issue: 1 Pages: 92-104 Published: JAN 2017 DOI: 10.1007/s12603-016-0803-1 https://futur.upc.edu/19856884</p>	ESAII	14	16	26	4				

