Articles indexats publicats per investigadors del Campus Terrassa:

2017

UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH
Campus de Terrassa

INTRODUCCIÓ

Aquesta pàgina recull els 241 treballs publicats per 222 investigadors/es del Campus de Terrassa en revistes indexades al Journal Citation Report durant el 2017 (nota metodològica).

Journal Citation Report és una base de dades, elaborada per l'Institute of Scientific Information, que ofereix un mitjà objectiu i sistemàtic per a avaluar de manera crítica les publicacions capdavanteres mundials. Disponible en edició de ciències i edició de ciències socials, JCR Web cobreix al voltant de de 12.000 de les publicacions revisades per coetanis més citades del món d'aproximadament 200 disciplines. És una eina essencial per a bibliotecaris, editors, autors, professors i estudiants, analistes de la informació i altres persones que necessitin conèixer l'impacte i la influència d'una publicació sobre la comunitat investigadora global.

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Articles 2017

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Factor impacte 2017 = 3.771 – Q1

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Factor impacte 2017 = 2.994 – Q1

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Factor impacte 2017 = 2.171 – Q2

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Factor impacte 2017 = 0.875 – Q4

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Factor impacte 2017 = 0.996 – Q4

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Factor impacte 2017 = 2.207 – Q2

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Factor impacte 2017 = 2.787 – Q2

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Factor impacte 2017 = 3.856 – Q1

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Factor impacte 2017 = 3.488 – Q1

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Factor impacte 2017 = 1.492 – Q3

236. LANG, T.; PÉDEBOY, S.; RISON, W.; MONTAÑA, J.,... et al., 2017. WMO world record lightning extremes: longest reported flash distance and longest reported flash duration. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*, vol. 98, no 6, pp. 1153-1168. ISSN 0003-0007. DOI 10.1175/BAMS-D-16-0061.1.
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Factor impacte 2017 = 0.502 – Q4

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Factor impacte 2017 = 2.938 – Q1

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Factor impacte 2017 = 0.713 – Q4

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Factor impacte 2017 = 2.895 – Q3

Accés obert

Del total d'articles indexats al 2017, hi ha 215 (un 89,2%) que es poden consultar en accés obert. Es distribueixen de la manera següent:

Accés obert	Via verda	172
	Via daurada	43
Accés tancat		26

Autors
més prolífics

17 autors amb 6 o més articles:

14 articles – Puig Cayuela, Vicenç (32, 57, 86, 98, 99, 105, 142, 184, 202, 227, 229, 230, 231, 232)

14 articles – Rodriguez Cortes, Pedro (144, 145, 147, 172, 173, 174, 177, 178, 182, 187, 188, 189, 233, 234)

11 articles – Riba Ruiz, Jordi Roger (1, 2, 29, 36, 37, 38, 93, 94, 95, 130, 179)

9 articles – Gamez Montero, Pedro Javier (44, 45, 46, 84, 85, 88, 175, 204, 216)

8 articles – Castilla Lopez, Roberto (44, 45, 46, 84, 85, 88, 175, 204)

8 articles – Codina Macià, Esteban (12, 44, 45, 46, 84, 85, 175, 216)

8 articles –Oliva Llena, Asensio (13, 58, 160, 180, 195, 215, 220, 221)

8 articles – Quintanilla De Latorre, Ramon (53, 112, 118, 119, 124, 146, 170, 171)

7 articles – Haro Cases, Jaime (16, 17, 18, 31, 102, 103, 104)

7 articles – Staliunas, Kestutis (7, 82, 106, 116, 207, 208, 218)

7 articles – Xhafa Xhafa, Fatos (34, 55, 199, 201, 224, 225, 226)

6 articles – Lordan Gonzalez, Oriol (66, 67, 109, 110, 131, 203)

6 articles – Masoller Alonso, Cristina (24, 115, 139, 161, 194, 214)

6 articles – Pujol Ramo, Jaume (11, 33, 156, 157, 158, 159)

6 articles – Remon Rodriguez, Daniel (144, 145, 172, 177, 178, 233)

6 articles – Rouzbehi, Kumars (123, 174, 176, 182, 188, 189)

6 articles – Tzanov, Tzanko (72, 73, 79, 90, 113, 209)

Revistes
amb més articles

S'ha publicat articles en 184 revistes indexades diferents. Les 10 revistes amb 3 o més articles són:

ENERGIES	5
AFINIDAD	4
CHAOS	4
IET GENERATION TRANSMISSION DISTRIBUTION	4
CHINESE JOURNAL OF AERONAUTICS	3
CONSTRUCTION AND BUILDING MATERIALS	3
INTERNATIONAL JOURNAL OF WEB AND GRID SERVICES	3
JOURNAL OF PROCESS CONTROL	3
PHYSICAL REVIEW A	3
SCIENTIFIC REPORTS	3

Articles
amb més impacte

Al 2017 s'han publicat 126 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:

LIU, Q.; ROMERO-GOMEZ, P.; MANTILLA-PEREZ, P.; COLODRERO, S.; TOUDERT, J.; MARTORELL, J., 2017. A Two-Resonance Tapping Cavity for an Optimal Light Trapping in Thin-Film Solar Cells. *ADVANCED ENERGY MATERIALS*, vol. 7, no. 18. ISSN 1614-6832. DOI 10.1002/aenm.201700356.
Factor impacte 2017 = 21.875 – Q1

LIU, Q.; TOUDERT, J.; LIU, F.; MANTILLA-PEREZ, P.; MONTES BAJO, M.; RUSSELL, T.P.; MARTORELL, J., 2017. Circumventing UV Light Induced Nanomorphology Disorder to Achieve Long Lifetime PTB7-Th:PCBM Based Solar Cells. *ADVANCED ENERGY MATERIALS*, vol. 7, no. 21. ISSN 1614-6832. DOI 10.1002/aenm.201701201.
Factor impacte 2017 = 21.875 – Q1

COLODRERO, S.; ROMERO-GOMEZ, P.; MANTILLA-PEREZ, P; MARTORELL, J., 2017. Nanoparticle Assisted Mechanical Delamination for Freestanding High Performance Organic Devices. *ADVANCED FUNCTIONAL MATERIALS*, vol. 27, no. 2. ISSN 1616-301X. DOI 10.1002/adfm.201602969.
Factor impacte 2017 = 13.325 – Q1

SCHIEBER, T.A.; CARPI, L.; DIAZ-GUILERA, A.; PARDALOS, P.M.; MASOLLER, C.; RAVETTI, M.G., 2017. Quantification of network structural dissimilarities. *NATURE COMMUNICATIONS*, vol. 8. ISSN 2041-1723. DOI 10.1038/ncomms13928.
Factor impacte 2017 = 12.353 – Q1

LIU, Q.; TOUDERT, J.; CIAMMARUCHI, L.; MARTINEZ-DENEGRI, G.; MARTORELL, J., 2017. High open-circuit voltage and short-circuit current flexible polymer solar cells using ternary blends and ultrathin Ag-based transparent electrodes. *JOURNAL OF MATERIALS CHEMISTRY A*, vol. 5, no. 48, pp. 25476-25484. ISSN 2050-7488. DOI 10.1039/c7ta09033a.
Factor impacte 2017 = 9.931 – Q1

ROUZBEHI, K.; CANDELA, J.; GHAREHPETIAN, G.B.; HARNEFORS, L.; LUNA, A.; RODRIGUEZ, P., 2017. Multiterminal DC grids: operating analogies to AC power systems. *RENEWABLE AND SUSTAINABLE ENERGY REVIEWS*, vol. 70, p. 886-895. ISSN 1364-0321. DOI 10.1016/j.rser.2016.11.270.
Factor impacte 2017 = 9.184 – Q1

KUMAR, S.; PEREGO, A.M.; STALIUNAS, K., 2017. Linear and Nonlinear Bullets of the Bogoliubov-de Gennes Excitations. *PHYSICAL REVIEW LETTERS*, vol. 118, no. 4. ISSN 0031-9007. DOI 10.1103/PhysRevLett.118.044103.
Factor impacte 2017 = 8.839 – Q1

FERNANDES, M.M.; IVANOVA, K.; HOYO, J.; PEREZ-RAFAEL, S.; FRANCESKO, A.; TZANOV, T., 2017. Nanotransformation of Vancomycin Overcomes the Intrinsic Resistance of Gram-Negative Bacteria. *ACS APPLIED MATERIALS & INTERFACES*, vol. 9, no. 17, pp. 15022-15030. ISSN 1944-8244. DOI 10.1021/acsami.7b00217.
Factor impacte 2017 = 8.097 – Q1

LANG, T.; PÉDEBOY, S.; RISON, W.; MONTAÑA, J.,... et al., 2017. WMO world record lightning extremes: longest reported flash distance and longest reported flash duration. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*, vol. 98, no 6, pp. 1153-1168. ISSN 0003-0007. DOI 10.1175/BAMS-D-16-0061.1.
Factor impacte 2017 = 7.804 – Q1

DELGADO PRIETO, M.; ZURITA MILLAN, D., 2017. Chromatic Monitoring of Gear Mechanical Degradation Based on Acoustic Emission. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, vol. 64, no. 11, pp. 8707-8717. ISSN 0278-0046. DOI 10.1109/TIE.2017.2701761.
Factor impacte 2017 = 7.050 – Q1

PAREDES, A.; SALA, V.; GHORBANI, H; ROMERAL, J.L., 2017. A Novel Active Gate Driver for Improving SiC MOSFET Switching Trajectory. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, vol. 64, no. 11, pp. 9032-9042. ISSN 0278-0046. DOI 10.1109/TIE.2017.2719603.
Factor impacte 2017 = 7.050 – Q1

MANTILLA-PEREZ, P.; FEURER, T.; CORREA-BAENA, J.-P.; ... MARTORELL, J., 2017. Monolithic CIGS-Perovskite Tandem Cell for Optimal Light Harvesting without Current Matching. *ACS PHOTONICS*, vol. 4, no. 4, pp. 861-867. ISSN 2330-4022. DOI 10.1021/acsphotonics.6b00929.
Factor impacte 2017 = 6.880 – Q1

LOPEZ, I.; CEBALLOS, S.; POU, J.; ZARAGOZA, J.; ANDREU, J.; IBARRA, E.; KONSTANTINOU, G., 2017. Generalized PWM-Based Method for Multiphase Neutral-Point-Clamped Converters With Capacitor Voltage Balance Capability. *IEEE TRANSACTIONS ON POWER ELECTRONICS*, vol. 32, no. 6, pp. 4878-4890. ISSN 0885-8993. DOI 10.1109/TPEL.2016.2599872.
Factor impacte 2017 = 6.812 – Q1

PICAS, R.; ZARAGOZA, J.; POU, J.; CEBALLOS, S., 2017. Reliable Modular Multilevel Converter Fault Detection With Redundant Voltage Sensor. *IEEE TRANSACTIONS ON POWER ELECTRONICS*, vol. 32, no. 1, pp. 39-51. ISSN 0885-8993. DOI 10.1109/TPEL.2016.2526684.
Factor impacte 2017 = 6.812 – Q1

ALAMUS, R.; BARA, S.; CORBERA, J.; ESCOFET, J.; PALA, V.; PIPIA, L.; TARDA, A., 2017. Ground-based hyperspectral analysis of the urban nightscape. *ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING*, vol. 124, pp. 16-26. ISSN 0924-2716. DOI 10.1016/j.isprsjprs.2016.12.004.
Factor impacte 2017 = 5.994 – Q1

STEFANOV, I.; PEREZ-RAFAEL, S.; HOYO, J.; CAILLOUX, J.; SANTANA, O.O.; HINOJOSA-CABALLERO, D.; TZANOV, T., 2017. Multifunctional Enzymatically Generated Hydrogels for Chronic Wound Application. *BIOMACROMOLECULES*, vol. 18, no. 5, pp. 1544-1555. ISSN 1525-7797. DOI 10.1021/acs.biomac.7b00111.
Factor impacte 2017 = 5.738 – Q1

TURDUEV, M.; GIDEN, I.H.; BABAYIGIT, C.; HAYRAN, Z.; BOR, E.; BOZTUG, C.; KURT, H.; STALIUNAS, K., 2017. Mid-infrared T-shaped photonic crystal waveguide for optical refractive index sensing. *SENSORS AND ACTUATORS B-CHEMICAL*, vol. 245, pp. 765-773. ISSN 0925-4005. DOI 10.1016/j.snb.2017.02.016.
Factor impacte 2017 = 5.667 – Q1

ABT, T.; SANCHEZ-SOTO, M., 2017. A Review of the Recent Advances in Cyclic Butylene Terephthalate Technology and its Composites. *CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES*, vol. 42, no. 3, pp. 173-217. ISSN 1040-8436. DOI 10.1080/10408436.2016.1160820.
Factor impacte 2017 = 5.656 – Q1

ALAMUS, R.; BARA, S.; CORBERA, J.; ESCOFET, J.; PALA, V.; PIPIA, L.; TARDA, A., 2017. Ground-based hyperspectral analysis of the urban nightscape. *ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING*, vol. 124, pp. 16-26. ISSN 0924-2716. DOI 10.1016/j.isprsjprs.2016.12.004.
Factor impacte 2017 = 5.994 – Q1

STEFANOV, I.; PEREZ-RAFAEL, S.; HOYO, J.; CAILLOUX, J.; SANTANA, O.O.; HINOJOSA-CABALLERO, D.; TZANOV, T., 2017. Multifunctional Enzymatically Generated Hydrogels for Chronic Wound Application. *BIOMACROMOLECULES*, vol. 18, no. 5, pp. 1544-1555. ISSN 1525-7797. DOI 10.1021/acs.biomac.7b00111.
Factor impacte 2017 = 5.738 – Q1

*Els 241 articles en revistes indexades es distribueixen de la manera següent:

Quartil 1	126	52,28%
Quartil 2	72	29.88%
Quartil 3	27	11,20%
Quartil 4	16	6,64%

Articles
més citats

A data 29.10.2018 els 241 articles seleccionats havien rebut 553 citacions. 16 d'aquests articles havien rebut 8 o més citacions:

23 citacions* – DU, W.-B.; LIANG, B.-Y.; YANG, G.; LORDAN, O.; CAO, X., 2017. Identifying vital edges in Chinese air route network via memetic algorithm. *CHINESE JOURNAL OF AERONAUTICS*, vol. 30, no. 1, pp. 330-336. ISSN 1000-9361. DOI 10.1016/j.cja.2016.12.001.
Factor impacte 2017 = 1.614 – Q1

16 citacions – SCHIEBER, T.A.; CARPI, L.; DIAZ-GUILERA, A.; PARDALOS, P.M.; MASOLLER, C.; RAVETTI, M.G., 2017. Quantification of network structural dissimilarities. *NATURE COMMUNICATIONS*, vol. 8. ISSN 2041-1723. DOI 10.1038/ncomms13928.
Factor impacte 2017 = 12.353 – Q1

14 citacions – PIRES, A.; MORATO, J.; PEIXOTO, H.; BOTERO, V.; ZULUAGA, L.; FIGUEROA, A., 2017. Sustainability Assessment of indicators for integrated water resources management. *SCIENCE OF THE TOTAL ENVIRONMENT*, vol. 578, pp. 139-147. ISSN 0048-9697. DOI 10.1016/j.scitotenv.2016.10.217.
Factor impacte 2017 = 4.610 – Q1

14 citacions – MONADI, M.; GAVRILUTA, C.; LUNA, A.; CANDELA, J.I.; RODRIGUEZ, P., 2017. Centralized Protection Strategy for Medium Voltage DC Microgrids. *IEEE TRANSACTIONS ON POWER DELIVERY*, vol. 32, no. 1, pp. 430-440. ISSN 0885-8977. DOI 10.1109/TPWRD.2016.2600278.
Factor impacte 2017 = 3.350 – Q1

13 citacions – PICAS, R.; ZARAGOZA, J.; POU, J.; CEBALLOS, S., 2017. Reliable Modular Multilevel Converter Fault Detection With Redundant Voltage Sensor. *IEEE TRANSACTIONS ON POWER ELECTRONICS*, vol. 32, no. 1, pp. 39-51. ISSN 0885-8993. DOI 10.1109/TPEL.2016.2526684.
Factor impacte 2017 = 6.812 – Q1

13 citacions – BREVIK, I.; GRON, O.; HARO, J.; ODINTSOV, S.D.; SARIDAKIS, E.N., 2017 Viscous cosmology for early- and late-time universe. *INTERNATIONAL JOURNAL OF MODERN PHYSICS D*, vol. 26, no 14, art. 1730024. ISSN 0218-2718. DOI 10.1142/S0218271817300245.
Factor impacte 2017 = 2.171 – Q2

11 citacions – WANG, X.A.; MA, J.F.; XHAFA, F.; ZHANG, M.W.; LUO, X.S., 2017. Cost-effective secure e-health cloud system using identity based cryptographic techniques. *FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE*, vol. 67, pp. 242-254. DOI 10.1016/j.future.2016.08.008.
Factor impacte 2017 = 4.639 – Q1

9 citacions – TEJEDOR, B.; CASALS, M.; GANGOLELLS, M.; ROCA, X., 2017. Quantitative internal infrared thermography for determining in-situ thermal behaviour of facades. *ENERGY AND BUILDINGS*, vol. 151, pp. 187-197. ISSN 0378-7788. DOI 10.1016/j.enbuild.2017.06.040.
Factor impacte 2017 = 4.457 – Q1

9 citacions – WANG, Y.; PUIG, V.; CEMBRANO, M., 2017. Non-linear economic model predictive control of water distribution networks. *JOURNAL OF PROCESS CONTROL*, vol. 56, pp. 23-34. ISSN 0959-1524. DOI 10.1016/j.jprocont.2017.05.004.
Factor impacte 2017 = 2.787 – Q2

9 citacions – REMON, D.; MIR, A.; MAURICIO, J.M.; RODRIGUEZ, P., 2017. Power system stability analysis under increasing penetration of photovoltaic power plants with synchronous power controllers. *IET RENEWABLE POWER GENERATION*, vol. 11, no. 6, pp. 733-741. ISSN 1752-1416. DOI 10.1049/iet-rpg.2016.0904.
Factor impacte 2017 = 3.488 – Q1

9 citacions – CANALS, L.; AMANTE, B.; AGUESSE, F.; ITURRONDOBEITIA, A., 2017. Second life of electric vehicle batteries: relation between materials degradation and environmental impact. *INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT*, vol. 22, no. 1, pp. 82-93. ISSN 0948-3349. DOI 10.1007/s11367-015-0918-3.
Factor impacte 2017 = 4.195 – Q1

8 citacions – LIU, Q.; TOUDERT, J.; LIU, F.; MANTILLA-PEREZ, P.; MONTES BAJO, M.; RUSSELL, T.P.; MARTORELL, J., 2017. Circumventing UV Light Induced Nanomorphology Disorder to Achieve Long Lifetime PTB7-Th:PCBM Based Solar Cells. *ADVANCED ENERGY MATERIALS*, vol. 7, no. 21. ISSN 1614-6832. DOI 10.1002/aenm.201701201.
Factor impacte 2017 = 21.875 – Q1

8 citacions – LANG, T.; PÉDEBOY, S.; RISON, W.; MONTAÑA, J.,... et al., 2017. WMO world record lightning extremes: longest reported flash distance and longest reported flash duration. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*, vol. 98, no 6, pp. 1153-1168. ISSN 0003-0007. DOI 10.1175/BAMS-D-16-0061.1.
Factor impacte 2017 = 7.804 – Q1

8 citacions – ESCRIG, C.; GIL, L.; BERNAT-MASO, E., 2017. Experimental comparison of reinforced concrete beams strengthened against bending with different types of cementitious-matrix composite materials. *CONSTRUCTION AND BUILDING MATERIALS*, vol. 137, pp. 317-329. ISSN 0950-0618. DOI 10.1016/j.conbuildmat.2017.01.106.
Factor impacte 2017 = 3.485 – Q1

8 citacions – ALJURE, D.E.M; LEHMKHUL, O.; RODRIGUEZ, I.; OLIVA, A., 2017. Three dimensionality in the wake of the flow around a circular cylinder at Reynolds number 5000. *COMPUTERS & FLUIDS*, vol. 147, pp. 102-118. ISSN 0045-7930. DOI 10.1016/j.compfluid.2017.02.004.
Factor impacte 2017 = 2.221 – Q2

8 citacions – OLIVER, J.; CAICEDO, M.; HUESPE, A.E.; HERNANDEZ, J.A.; ROUBIN, E., 2017. Reduced order modeling strategies for computational multiscale fracture. *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*, vol. 313, pp. 560-595. ISSN 0045-7825. DOI 10.1016/j.cma.2016.09.039.
Factor impacte 2017 = 4.441 – Q1

* Aquest article està classificat a Web of Science com a “Highly Cited Paper” (Els documents citats han rebut cites suficients a partir del juliol / agost de 2018 per ubicar-les en el primer lloc del 1% dels seus camp acadèmic, basant-se en un llindar molt citat per al camp i l'any de publicació.)

Institucions
amb més col·laboracions

21 institucions amb 4 o més col·laboracions:

CSIC - CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	15
CIMNE - CENTRE INTERNACIONAL DE METODES NUMERICS EN ENGINYERIA	13
UNIVERSIDAD LOYOLA ANDALUCIA	10
IRII - INSTITUT DE ROBOTICA I INFORMATICA INDUSTRIAL	9
ABENGOA	8
ICREA - INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS	8
BIST - BARCELONA INSTITUTE OF SCIENCE TECHNOLOGY	6
CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	6
NASA - NATIONAL AERONAUTICS SPACE ADMINISTRATION	6
UAB - UNIVERSITAT AUTÒNOMA DE BARCELONA	5
ICFO - INSTITUT DE CIENCIES FOTONIQUES	5
TSINGHUA UNIVERSITY	5
UNIVERSITE COTE D AZUR COMUE	5
UB – UNIVERSITAT DE BARCELONA	5
UPV – UNIVERSIDAD DEL PAIS VASCO	5
BEIHANG UNIVERSITY	4
IEEC - INSTITUT D'ESTUDIS ESPACIALS DE CATALUNYA	4
SERVEI METEOROLOGIC DE CATALUNYA	4
TLK ENERGY GMBH	4
UDG - UNIVERSITAT DE GIRONA	4
UNIVERSITY TOWN OF SHENZHEN	4

Països
amb més col·laboracions

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

PEOPLES R CHINA	19
FRANCE	13
ENGLAND	11
ITALY	11
USA	10
GERMANY	9
AUSTRALIA	6
MEXICO	5
RUSSIA	4
SCOTLAND	4
SWEDEN	4
CANADA	3
COLOMBIA	3
GREECE	3
INDIA	3
IRAN	3
JAPAN	3
NORWAY	3
PAKISTAN	3
POLAND	3
SWITZERLAND	3

Àrees temàtiques
amb més articles

23 grans àrees temàtiques amb 5 o més articles:

ENGINEERING	86
PHYSICS	35
MATERIALS SCIENCE	26
MATHEMATICS	26
MECHANICS	23
ENERGY FUELS	21
COMPUTER SCIENCE	20
CHEMISTRY	17
AUTOMATION CONTROL SYSTEMS	16
OPTICS	15
SCIENCE TECHNOLOGY OTHER TOPICS	15
CONSTRUCTION BUILDING TECHNOLOGY	11
ENVIRONMENTAL SCIENCES ECOLOGY	11
POLYMER SCIENCE	11
ASTRONOMY ASTROPHYSICS	8
INSTRUMENTS INSTRUMENTATION	8
OPHTHALMOLOGY	8
BUSINESS ECONOMICS	7
OPERATIONS RESEARCH MANAGEMENT SCIENCE	7
THERMODYNAMICS	7
BIOCHEMISTRY MOLECULAR BIOLOGY	6
METEOROLOGY ATMOSPHERIC SCIENCES	6
WATER RESOURCES	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 estret 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://ipscience-help.thomsonreuters.com/inCites2Live/8300-TRS.html

Per fer aquest informe s'han contemplat les 12 categories ESI presents a 5 o més articles indexats del Campus de Terrassa publicats el 2017:

Camp de recerca ESI	Àrees de recerca WoS representades	Public. WoS	Cites rebudes WoS	Cites/pub. WoS	ESI citation rate	Impacte normalitzat
Biology & Biomechistry	-Biochemistry molecular biology -Biophysics	7	18	2.57	2.55	**1.01**
Chemistry	-Chemistry -Crystallography -Electrochemistry -Spectroscopy -Thermodynamics	23	53	2.30	3.04	**0.76**
Clinical Medicine	-Oncology -Ophthalmology -Radiology nuclear medicine medical imaging -Surgery	23	24	2.00	2.00	**1.00**
Computer Science	-Computer Science -Telecommunications	22	55	2.50	1.42	**1.76**
Economy & Business	-Business economics	7	7	1.00	0.97	**1.03**
Engineering	-Automation Control Systems -Construction Building Technology -Energy Fuels -Engineering -Instruments Instrumentation -Mechanics -Nuclear Science Technology -Operations Research Management Science -Science Technology Other Topics -Transportation	138	418	3.03	1.77	**1.71**
Environment / Ecology	-Environmental Sciences Ecology -Public Environmental Occupational Health -Water Resources	13	46	3.54	2.07	**1.71**
Geosciences	-Geochemistry Geophysics -Geology -Meteorology Atmospheric Sciences -Physical Geography -Remote Science	10	37	3.70	1.94	**1.91**

Materials Science	-Materials Science -Metallurgy Metallurgical Engineering -Polymer Science	35	93	2.66	3.08	**0.86**
Mathematics	-Mathematics	26	47	1.81	0.70	**2.58**
Physics	-Optics - Physics	44	107	2.43	2.35	**1.03**
Space Science	-Astronomy Astrophysics	8	42	5.25	3.64	**1.44**

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 7.12.2018.

Les ESI citation rates corresponen s'han estret a 15.11.2018

Almetrics

17 articles amb un valor “Altmetric” més alt a 4 a data 10.12.2018:

Altmetric = 329 – LANG, T.; PÉDEBOY, S.; RISON, W.; MONTAÑA, J.,... et al., 2017. WMO world record lightning extremes: longest reported flash distance and longest reported flash duration. *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*, vol. 98, no 6, pp. 1153-1168. ISSN 0003-0007. DOI 10.1175/BAMS-D-16-0061.1.
Factor impacte 2017 = 7.804 – Q1

Altmetric = 62 – JEDYNAK, M.; PONS, A.J.; GARCIA-OJALVO, J.; GOODFELLOW, M., 2017. Temporally correlated fluctuations drive epileptiform dynamics. *NEUROIMAGE*, vol. 146, pp. 188-196. ISSN 1053-8119. DOI 10.1016/j.neuroimage.2016.11.034.
Factor impacte 2017 = 5.426 – Q1

Altmetric = 45 – SCHIEBER, T.A.; CARPI, L.; DIAZ-GUILERA, A.; PARDALOS, P.M.; MASOLLER, C.; RAVETTI, M.G., 2017. Quantification of network structural dissimilarities. *NATURE COMMUNICATIONS*, vol. 8. ISSN 2041-1723. DOI 10.1038/ncomms13928.
Factor impacte 2017 = 12.353 – Q1

Altmetric = 21 – LIU, Q.; ROMERO-GOMEZ, P.; MANTILLA-PEREZ, P.; COLODRERO, S.; TOUDERT, J.; MARTORELL, J., 2017. A Two-Resonance Tapping Cavity for an Optimal Light Trapping in Thin-Film Solar Cells. *ADVANCED ENERGY MATERIALS*, vol. 7, no. 18. ISSN 1614-6832. DOI 10.1002/aenm.201700356.
Factor impacte 2017 = 21.875 – Q1

Altmetric = 16 – CROUZET, N.; MCCULLOUGH, P.; LONG, D.M;... GARCIA-MELENDO, E., 2017. Discovery of XO-6b: A Hot Jupiter Transiting a Fast Rotating F5 Star on an Oblique Orbit. *ASTRONOMICAL JOURNAL*, vol. 153, no. 3, art. 94. ISSN 0004-6256. DOI 10.3847/1538-3881/153/3/94.
Factor impacte 2017 = 4.150 – Q2

Altmetric = 15 – ALAMUS, R.; BARA, S.; CORBERA, J.; ESCOFET, J.; PALA, V.; PIPIA, L.; TARDA, A., 2017. Ground-based hyperspectral analysis of the urban nightscape. *ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING*, vol. 124, pp. 16-26. ISSN 0924-2716. DOI 10.1016/j.isprsjprs.2016.12.004.
Factor impacte 2017 = 5.994 – Q1

Altmetric = 12 – LIU, Q.; TOUDERT, J.; LIU, F.; MANTILLA-PEREZ, P.; MONTES BAJO, M.; RUSSELL, T.P.; MARTORELL, J., 2017. Circumventing UV Light Induced Nanomorphology Disorder to Achieve Long Lifetime PTB7-Th:PCBM Based Solar Cells. *ADVANCED ENERGY MATERIALS*, vol. 7, no. 21. ISSN 1614-6832. DOI 10.1002/aenm.201701201.
Factor impacte 2017 = 21.875 – Q1

Altmetric = 12 – MALAGARRIGA, D.; VILLA, A.E.P.; GARCIA-OJALVO, J.; PONS, A.J., 2017. Consistency of heterogeneous synchronization patterns in complex weighted networks. *CHAOS*, vol. 27, no. 3. ISSN 1054-1500. DOI 10.1063/1.4977972.
Factor impacte 2017 = 2.415 – Q1

Altmetric = 11 – MARTINEZ-MERINO, L.I.; ALBAREDA-SAMBOLA, M.; RODRIGUEZ-CHIA, A.M., 2017. The probabilistic p-center problem: Planning service for potential customers. *EUROPEAN JOURNAL OF OPERATIONAL RESEARCH*, vol. 262, no. 2, pp. 509-520. ISSN 0377-2217. DOI 10.1016/j.ejor.2017.03.043.
Factor impacte 2017 = 3.428 – Q1

Altmetric = 10 – SANCHEZ-LAVEGA, A.; ROGERS, J.; ORTON, G.; GARCIA-MELENDO, E., et al., 2017. A planetary-scale disturbance in the most intense Jovian atmospheric jet from JunoCam and ground-based observations. *GEOPHYSICAL RESEARCH LETTERS*, vol. 44, no 10, p. 4679-4686. ISSN 0094-8276. DOI 10.1002/2017GL073421.
Factor impacte 2017 = 4.339 – Q1

Altmetric = 8 – ESCOFET, J.; BARA, S., 2017. Reducing the circadian input from self-luminous devices using hardware filters and software applications. *LIGHTING RESEARCH & TECHNOLOGY*, vol. 49, no. 4, pp. 481-496. ISSN 1477-1535. DOI 10.1177/1477153515621946.
Factor impacte 2017 = 1.921 – Q2

Altmetric = 7 – PINEDA, N.; RIGO, T., 2017. The rainfall factor in lightning-ignited wildfires in Catalonia. *AGRICULTURAL AND FOREST METEOROLOGY*, vol. 239, pp. 249-263. ISSN 0168-1923. DOI 10.1016/j.agrformet.2017.03.016.
Factor impacte 2017 = 4.039 – Q1

Altmetric = 4 – ARIZMENDI, F.; BARREIRO, M.; MASOLLER, C., 2017. Identifying large-scale patterns of unpredictability and response to insolation in atmospheric data. *SCIENTIFIC REPORTS*, vol. 7. ISSN 2045-2322. DOI 10.1038/srep45676.
Factor impacte 2017 = 4.122 – Q1

Altmetric = 4 – BERNAT-MASO, E.; TENEVA, E.; ESCRIG, C.; GIL, L., 2017. Ultrasound transmission method to assess raw earthen materials. *CONSTRUCTION AND BUILDING MATERIALS*, vol. 156, pp. 555-564. ISSN 0950-0618. DOI 10.1016/j.conbuildmat.2017.09.012.
Factor impacte 2017 = 3.485 – Q1

Altmetric = 4 – FORCADA, N.; SERRAT, C.; RODRIGUEZ, S.; BORTOLINI, R., 2017. Communication Key Performance Indicators for Selecting Construction Project Bidders. *JOURNAL OF MANAGEMENT IN ENGINEERING*, vol. 33, no. 6. ISSN 0742-597X. DOI 10.1061/(ASCE)ME.1943-5479.0000552.
Factor impacte 2017 = 2.282 – Q1

Altmetric = 4 – SOULA, S.; MLYNARCZYK, J.; FUELLEKRUG, M.; PINEDA, N.; GEORGIS, J.-F.; VAN DER VELDE, O.; MONTANYA, J.; FABRO, F., 2017. Dancing sprites: Detailed analysis of two case studies. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES*, vol. 122, no. 6, pp. 3173-3192. ISSN 2169-897X. DOI 10.1002/2016JD025548.
Factor impacte 2017 = 3.380 – Q1

Altmetric = 4 – VENTOSA-MOLINA, J.; LEHMKUHL, O.; PEREZ-SEGARRA, C.D.; OLIVA, A., 2017. Large Eddy Simulation of a Turbulent Diffusion Flame: Some Aspects of Subgrid Modelling Consistency. *FLOW TURBULENCE AND COMBUSTION*, vol. 99, no. 1, pp. 209-238. ISSN 1386-6184. DOI 10.1007/s10494-017-9813-2.
Factor impacte 2017 = 2.207 – Q2

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 2013-2017

20 articles més citats publicats entre el 2013 i el 2017 (a 29.10.2018):

128 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.

116 citacions – Delgado, M.; Cirrincione, G.; Garcia, 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.

103 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.

99 citacions - Beltran, H.; Rodriguez, 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.

86 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.

82 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.

79 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.

75 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.

74 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.

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69 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.

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Articles indexats publicats per investigadors del Campus de Terrassa, 2017: 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 2017.
- Els autors signin com a investigadors del Campus de Terrassa de la UPC o d'alguna de les seves escoles[1].
- Pertanyin a alguna revista indexada al JCR (Journal Citation Reports) en l'edició del 2017.

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

[1] La cerca efectuada és la següent:
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