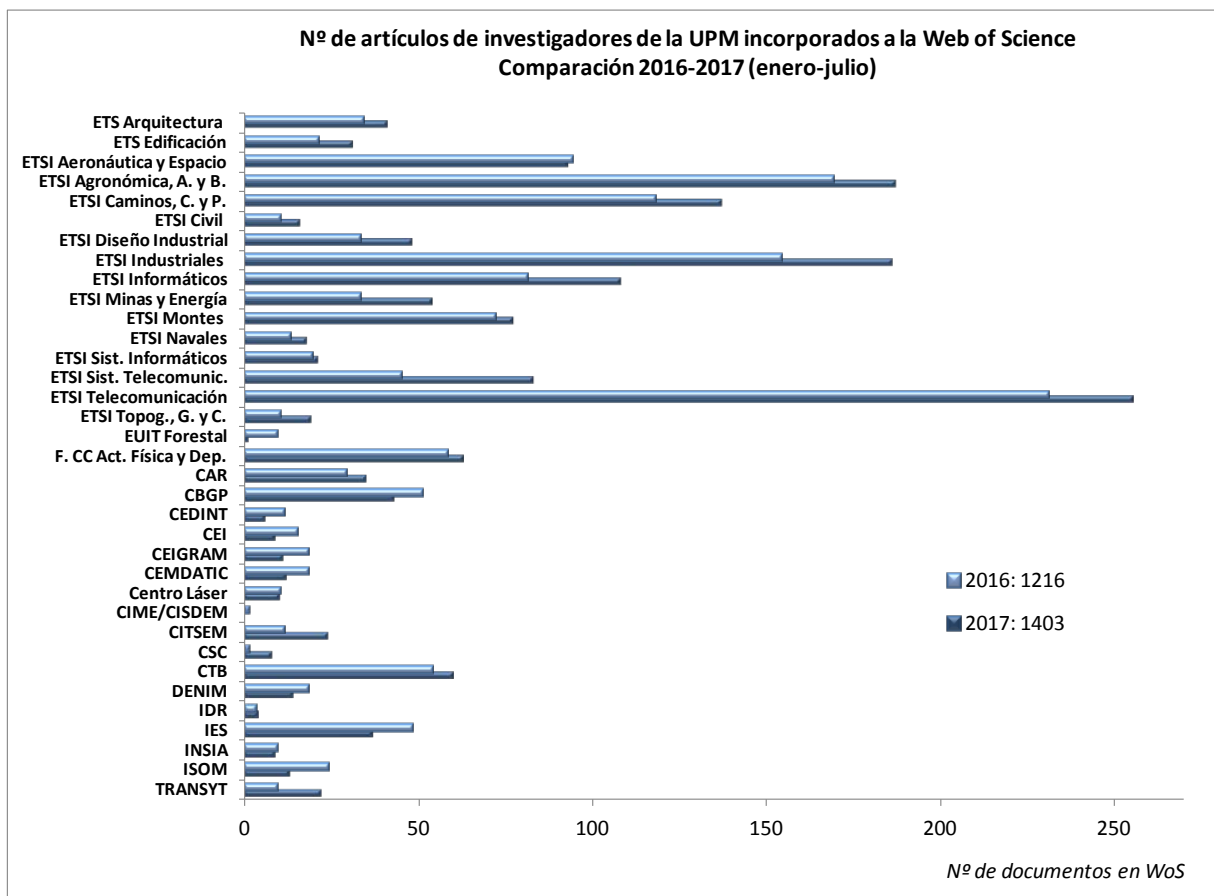


## Seguimiento de la producción científica UPM en la Web of Science

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En el gráfico siguiente se presenta la comparativa 2016-2017 de los documentos de investigación de la Universidad Politécnica de Madrid (UPM) dados de alta en la Web of Science (WoS) acumulados hasta el mes actual. Hay que señalar que la fecha que se considera en relación con cada artículo no se refiere a la fecha de publicación del mismo sino a la de su incorporación a la base de datos de la WoS.



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## ETS Arquitectura

### [CONSTRUCTION HISTORY EDUCATION FOR LANDSCAPE AND CIVIL ENGINEERING-](#)

Larena, JB; Larena, AB

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 2000-2000; 2016

### [Urban Governance Revisited after 20 Years of Practice and Malpractice-Q4](#)

Guell, JMF

DISP, 53 (2):58-59; 2017

### [Surfactant-assisted production of TbCu<sub>2</sub> nanoparticles-Q2](#)

Rodriguez, MD; Espeso, JI; Gonzalez, JA; Fernandez, JR; Rojas, DP; Fernandez, LR; Garcia-Arribas, A; Fdez-Gubieda, ML; Echevarria-Bonet, C; Perigo, EA; Michels, A; Barquin, LF

JOURNAL OF NANOPARTICLE RESEARCH, 19 (7):10.1007/s11051-017-3931-6 JUN 28 2017

### [The Germ of the Prinzipalbogen Concept in Bartel Ranisch – Q2](#)

de Andres, EP

NEXUS NETWORK JOURNAL, 19 (2):405-425; 10.1007/s00004-017-0343-y JUL 2017

### [Geometrical Analysis of the Coffers of the Pantheon's Dome in Rome – Q2](#)

Aliberti, L; Alonso-Rodriguez, MA

NEXUS NETWORK JOURNAL, 19 (2):363-382; 10.1007/s00004-017-0339-7 JUL 2017

### [Late Gothic Asymmetrical Diamond Vaults in Spain – Q2](#)

Lopez-Mozo, A; Senent-Dominguez, R

NEXUS NETWORK JOURNAL, 19 (2):323-343; 10.1007/s00004-017-0337-9 JUL 2017

[Subir](#)

## ETSI Aeronáutica y del Espacio

### [Development and validation of software for rapid performance estimation of small RPAS-Q1](#)

Aliaga-Aguilar, H; Cuerno-Rejado, C

ADVANCES IN ENGINEERING SOFTWARE, 110 1-13; 10.1016/j.advengsoft.2017.03.010  
AUG 2017

### [Flow-Induced Vibration of a rotating circular cylinder using position and velocity feedback-Q2](#)

Vicente-Ludlam, D; Barrero-Gil, A; Velazquez, A

JOURNAL OF FLUIDS AND STRUCTURES, 72 127-151; 10.1016/j.jfluidstructs.2017.05.001  
JUL 2017

### [Statistical characterization of the standard map-Q1](#)

Ruiz, G; Tirnakli, U; Borges, EP; Tsallis, C

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 10.1088/1742-5468/aa728b JUN 2017

### [EFFECT OF THE ANATOMICAL STRUCTURE, WOOD PROPERTIES AND MACHINING CONDITIONS ON SURFACE ROUGHNESS OF WOOD-Q2](#)

Laina, R; Sanz-Lobera, A; Villasante, A; Lopez-Espi, P; Martinez-Rojas, JA; Alpuente, J; Sanchez-Montero, R; Vignote, S

MADERAS-CIENCIA Y TECNOLOGIA, 19 (2):203-212; 10.4067/S0718-221X2017005000018  
2017

### [GTOC8: RESULTS AND METHODS OF POLIMI-UPM-](#)

Topputo, F; Dei Tos, DA; Filippetto, D; Rivolta, A; Massari, M; Rocchi, A; Di Lizia, P; Gonzalo, JL; Urrutxua, H; Bombardelli, C; Pesce, V; Colagrossi, A; Moreno, DP

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 4301-4308; I - IV 2016

[EXPLORATION OF NON-CONVENTIONAL TECHNIQUES FOR THE GENERATION OF ELEMENT-BASED ANALYTICAL EPHEMERIDES-](#)

Urrutxua, H; Letizia, F; Van den Eynde, J; Colombo, C

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 3091-3105; I - IV 2016

[A CONSTANT, RADIAL, LOW-THRUST PROBLEM INCLUDING FIRST ORDER EFFECTS OF  \$J\_2\$ -](#)

Urrutxua, H; Lara, M

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 2517-2528; I - IV 2016

[IMPACT OF THE INTEGRATION STOP-CONDITION ON THE ACCURACY OF REGULARIZED ORBIT FORMULATIONS-](#)

Urrutxua, H; Pelaez, J; Bombardelli, C

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 2503-2516; I - IV 2016

[QUANTIFICATION OF THE PERFORMANCE OF NUMERICAL ORBIT PROPAGATORS-](#)

Urrutxua, H; Roa, J; Gonzalo, JL; Pelaez, J; Bombardelli, C

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 2485-2501; I - IV 2016

[OPTIMAL 3D ORBIT CORRECTIONS IN CURVILINEAR COORDINATES-](#)

Gonzalo, JL; Bombardelli, C

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 397-414; I - IV 2016

[SPIRAL LAMBERT'S PROBLEM WITH GENERALIZED LOGARITHMIC SPIRALS-](#)

Roa, J; Pelaez, J

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 279-298; I - IV 2016

[INTRODUCING A DEGREE OF FREEDOM IN THE FAMILY OF GENERALIZED LOGARITHMIC SPIRALS-](#)

Roa, J; Pelaez, J

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 299-318; I - IV 2016

[THREE-DIMENSIONAL GENERALIZED LOGARITHMIC SPIRALS-](#)

Roa, J; Pelaez, J

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 319-338; I - IV 2016

[APPROXIMATE ANALYTICAL SOLUTION OF THE MULTIPLE REVOLUTION LAMBERT'S TARGETING PROBLEM-](#)

Bombardelli, C; Roa, J; Gonzalo, JL

SPACEFLIGHT MECHANICS 2016, PTS I-IV, 158 147-160; I - IV 2016

[First principle study of V-implantation in highly-doped silicon materials-Q2](#)

Garcia, G; Casanova-Paez, M; Palacios, P; Menendez-Proupin, E; Wahnou, P

COMPUTATIONAL MATERIALS SCIENCE, 136 207-215; 10.1016/j.commat.2017.05.005  
AUG 2017

[Environmental effect of space debris repositioning-Q3](#)

Bombardelli, C; Alessi, EM; Rossi, A; Valsecchic, GB

ADVANCES IN SPACE RESEARCH, 60 (1):28-37; 10.1016/j.asr.2017.03.044 JUL 1 2017

[Electrophoretic Versus Dielectrophoretic Nanoparticle Patterning Using Optoelectronic Tweezers-Q1](#)

Munoz-Martinez, JF; Ramiro, JB; Alcazar, A; Garcia-Cabanes, A; Carrascosa, M

PHYSICAL REVIEW APPLIED, 7 (6):10.1103/PhysRevApplied.7.064027 JUN 26 2017

[Onset of three-dimensional flow instabilities in lid-driven circular cavities-Q2](#)

Gonzalez, LM; Ferrer, E; Diaz-Ojeda, HR

PHYSICS OF FLUIDS, 29 (6):10.1063/1.4984242 JUN 2017

[Setting services in public transit lines in short time periods under time-varying demand-](#)

Codina, E; Rosell, F; Cadarso, L; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING (EWGT2016), 22 615-624; 10.1016/j.trpro.2017.03.054 2017

[Rapid transit network design: considering recovery robustness and risk aversion measures-](#)

Cadarso, L; Codina, E; Escudero, LF; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING (EWGT2016), 22 255-264; 10.1016/j.trpro.2017.03.032 2017

[Setting services in public transit lines in short time periods under time-varying demand](#)

Codina, E; Rosell, F; Cadarso, L; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING (EWGT2016), 22 615-624; 10.1016/j.trpro.2017.03.054 2017

[Rapid transit network design: considering recovery robustness and risk aversion measures](#)

Cadarso, L; Codina, E; Escudero, LF; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING (EWGT2016), 22 255-264; 10.1016/j.trpro.2017.03.032 2017

[Setting services in public transit lines in short time periods under time-varying demand](#)

Codina, E; Rosell, F; Cadarso, L; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING, EWGT2016, 22 615-624; 10.1016/j.trpro.2017.03.054 2017

[Rapid transit network design: considering recovery robustness and risk aversion measures](#)

Cadarso, L; Codina, E; Escudero, LF; Marin, A

19TH EURO WORKING GROUP ON TRANSPORTATION MEETING, EWGT2016, 22 255-264;  
10.1016/j.trpro.2017.03.032 2017

[Higher Order Dynamic Mode Decomposition](#) – Q1

Le Clairche, S; Vega, JM

SIAM JOURNAL ON APPLIED DYNAMICAL SYSTEMS, 16 (2):882-925;  
10.1137/15M1054924 2017

[Subir](#)



## ETSI Agronómica, Alimentaria y de Biosistemas

### [On the haplotype diversity along the genome in Spanish beef cattle populations-Q2](#)

Mouresan, EF; Gonzalez-Rodriguez, A; Canas-Alvarez, JJ; Diaz, C; Altarriba, J; Baro, JA; Piedrafita, J; Molina, A; Toro, MA; Varona, L

LIVESTOCK SCIENCE, 201 30-33; 10.1016/j.livsci.2017.04.015 JUL 2017

### [Challenges to develop nitrogen-fixing cereals by direct nif-gene transfer \(vol 225, pg 130, 2014\)-Q1](#)

Curatti, L; Rubio, LM

PLANT SCIENCE, 260 70-70; 10.1016/j.plantsci.2017.04.002 JUL 2017

### [Real-time monitoring of PtaHMGB activity in poplar transactivation assays-Q1](#)

Ramos-Sanchez, JM; Triozzi, PM; Moreno-Cortes, A; Conde, D; Perales, M; Allona, I

PLANT METHODS, 13 10.1186/s13007-017-0199-x JUN 15 2017

### [Cost comparison of full-scale water reclamation technologies with an emphasis on membrane bioreactors-Q3](#)

Iglesias, R; Simon, P; Moragas, L; Arce, A; Rodriguez-Roda, I

WATER SCIENCE AND TECHNOLOGY, 75 (11):2562-2570; 10.2166/wst.2017.132 JUN 2017

### [Formation of Nitrogenase NifDK Tetramers in the Mitochondria of Saccharomyces cerevisiae-Q1](#)

Buren, S; Young, EM; Sweeny, EA; Lopez-Torrejon, G; Veldhuizen, M; Voigt, CA; Rubio, LM

ACS SYNTHETIC BIOLOGY, 6 (6):1043-1055; 10.1021/acssynbio.6b00371 JUN 2017

[Two-walks degree assortativity in graphs and networks-Q1](#)

Allen-Perkins, A; Pastor, JM; Estrada, E

APPLIED MATHEMATICS AND COMPUTATION, 311 262-271; 10.1016/j.amc.2017.05.025  
OCT 15 2017

[Seasonal variation of microbial activity as affected by tillage practice and sugar beet foam amendment under Mediterranean climate-Q2](#)

Vazquez, E; Teutscherova, N; Almorox, J; Navas, M; Espejo, R; Benito, M

APPLIED SOIL ECOLOGY, 117 70-80; 10.1016/j.apsoil.2017.04.013 SEP 2017

[The influence of cooperative relations on geographical expansion and diversification strategies in family firms-Q2](#)

Lopez-Cozar-Navarro, C; Benito-Hernandez, S; Platero-Jaime, M

INTERNATIONAL BUSINESS REVIEW, 26 (4):764-773; 10.1016/j.ibusrev.2017.01.005 AUG 2017

[A relevant IgE-reactive 28 kDa protein identified from Salsola kali pollen extract by proteomics is a natural degradation product of an integral 47 kDa polygalacturonase-Q2](#)

Mas, S; Oeo-Santos, C; Cuesta-Herranz, J; Diaz-Perales, A; Colas, C; Fernandez, J; Barber, D; Rodriguez, R; Rios, VD; Barderas, R; Villalba, M

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS, 1865 (8):1067-1076; 10.1016/j.bbapap.2017.05.007 AUG 2017

[Ecological impacts of atmospheric pollution and interactions with climate change in terrestrial ecosystems of the Mediterranean Basin: Current research and future directions-Q1](#)

Ochoa-Hueso, R; Munzi, S; Alonso, R; Arroniz-Crespo, M; Avila, A; Bermejo, V; Bobbink, R; Branquinho, C; Concostrina-Zubiri, L; Cruz, C; de Carvalho, RC; De Marco, A; Dias, T; Elustondo, D; Elvira, S; Estebanez, B; Fusaro, L; Gerosa, G; Izquieta-Rojano, S; Lo Cascio, M; Marzuoli, R; Matos, P; Mereu, S; Merino, J; Morillas, L; Nunes, A; Paoletti, E; Paoli, L; Pinho, P; Rogers, IB; Santos, A; Sicard, P; Stevens, CJ; Theobald, MR

ENVIRONMENTAL POLLUTION, 227 194-206; 10.1016/j.envpol.2017.04.062 AUG 2017

[Efficacy of a long-lasting bifenthrin-treated net against horticultural pests and its compatibility with the predatory mite \*Amblyseius swirskii\* and the parasitic wasp \*Eretmocerus mundus\*](#)-Q1

Fernandez, MD; Colomer, I; Medina, P; Fereres, A; Del Estal, P; Vinuela, E

PEST MANAGEMENT SCIENCE, 73 (8):1689-1697; 10.1002/ps.4515 AUG 2017

[Fleets of robots for environmentally-safe pest control in agriculture](#)-Q1

Gonzalez-de-Santos, P; Ribeiro, A; Fernandez-Quintanilla, C; Lopez-Granados, F; Brandstoeetter, M; Tomic, S; Pedrazzi, S; Peruzzi, A; Pajares, G; Kaplanis, G; Perez-Ruiz, M; Valero, C; del Cerro, J; Vieri, M; Rabatel, G; Debilde, B

PRECISION AGRICULTURE, 18 (4):574-614; 10.1007/s11119-016-9476-3 AUG 2017

[Pulsed Light Effect in Red Grape Quality and Fermentation](#)-Q1

Escott, C; Vaquero, C; del Fresno, JM; Banuelos, MA; Loira, I; Han, SY; Bi, Y; Morata, A; Suarez-Lepe, JA

FOOD AND BIOPROCESS TECHNOLOGY, 10 (8):1540-1547; 10.1007/s11947-017-1921-4 AUG 2017

[On the performance of blind-infotaxis under inaccurate modeling of the environment](#)-Q2

Rodriguez, JD; Gomez-Ullate, D; Mejia-Monasterio, C

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 226 (10):2407-2420; SI 10.1140/epjst/e2017-70067-1 JUL 2017

[The Arabidopsis leucine-rich repeat receptor kinase MIK2/LRR-KISS connects cell wall integrity sensing, root growth and response to abiotic and biotic stresses](#)-Q1

Van der Does, D; Boutrot, F; Engelsdorf, T; Rhodes, J; McKenna, JF; Vernhettes, S; Koevoets, I; Tintor, N; Veerabagu, M; Miedes, E; Segonzac, C; Roux, M; Breda, AS; Hardtke, CS; Molina, A; Rep, M; Testerink, C; Mouille, G; Hofte, H; Hamann, T; Zipfel, C

PLOS GENETICS, 13 (6):10.1371/journal.pgen.1006832 JUN 2017

[Optical Sensing to Determine Tomato Plant Spacing for Precise Agrochemical Application: Two Scenarios-Q1](#)

Martinez-Guanter, J; Garrido-Izard, M; Valero, C; Slaughter, DC; Perez-Ruiz, M

SENSORS, 17 (5):10.3390/s17051096 MAY 2017

[The Combined Use of Schizosaccharomyces pombe and Lachancea thermotolerans- Effect on the Anthocyanin Wine Composition-Q2](#)

Benito, A; Calderon, F; Benito, S

MOLECULES, 22 (5):10.3390/molecules22050739 MAY 2017

[Genetic Diversity in Relict and Fragmented Populations of Ulmus glabra Hudson in the Central System of the Iberian Peninsula-Q1](#)

del Puerto, MM; Garcia, FM; Mohanty, A; Martin, JP

FORESTS, 8 (5):10.3390/f8050143 MAY 2017

[BIOCHARS IN SOILS: TOWARDS THE REQUIRED LEVEL OF SCIENTIFIC UNDERSTANDING-Q4](#)

Tammeorg, P; Bastos, AC; Jeffery, S; Rees, F; Kern, J; Graber, ER; Ventura, M; Kibblewhite, M; Amaro, A; Budai, A; Cordovil, CMDS; Domene, X; Gardi, C; Gasco, G; Horak, J; Kammann, C; Kondrlova, E; Laird, D; Loureiro, S; Martins, MAS; Panzacchi, P; Prasad, M; Prodana, M; Puga, AP; Ruysschaert, G; Sas-Paszt, L; Silva, FC; Teixeira, WG; Tonon, G; Delle Vedove, G; Zavalloni, C; Glaser, B; Verheijen, FGA

JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT, 25 (2):192-207; SI 10.3846/16486897.2016.1239582 2017

[SYNERGISTIC USE OF PEAT AND CHARRED MATERIAL IN GROWING MEDIA - AN OPTION TO REDUCE THE PRESSURE ON PEATLANDS?-Q4](#)

Kern, J; Tammeorg, P; Shanskiy, M; Sakrabani, R; Knicker, H; Kammann, C; Tuhkanen, EM; Smidt, G; Prasad, M; Tiilikkala, K; Sohi, S; Gasco, G; Steiner, C; Glaser, B

JOURNAL OF ENVIRONMENTAL ENGINEERING AND LANDSCAPE MANAGEMENT, 25 (2):160-174; SI 10.3846/16486897.2017.1284665 2017

[Negative response to an excessive bias by a mixed population of voters-Q4](#)

Dotsenko, VS; Mejia-Monasterio, C; Oshanin, G

CONDENSED MATTER PHYSICS, 20 (1):10.5488/CMP.20.13801 2017

[Fusarium proliferatum - Causal agent of garlic bulb rot in Spain: Genetic variability and mycotoxin production – Q1](#)

Galvez, L; Urbaniak, M; Waskiewicz, A; Stepien, L; Palmero, D

FOOD MICROBIOLOGY, 67 41-48; 10.1016/j.fm.2017.05.006 OCT 2017

[HOP3, a member of the HOP family in Arabidopsis, interacts with BiP and plays a major role in the ER stress response – Q1](#)

Fernandez-Bautista, N; Fernandez-Calvino, L; Munoz, A; Castellano, MM

PLANT CELL AND ENVIRONMENT, 40 (8):1341-1355; 10.1111/pce.12927 AUG 2017

[Orthogonal Estimates of Variances for Additive, Dominance, and Epistatic Effects in Populations – Q1](#)

Vitezica, ZG; Legarra, A; Toro, MA; Varona, L

GENETICS, 206 (3):1297-1307; 10.1534/genetics.116.199406 JUL 2017

[Nitrate-dependent shoot sodium accumulation and osmotic functions of sodium in Arabidopsis under saline conditions – Q1](#)

Alvarez-Aragon, R; Rodriguez-Navarro, A

PLANT JOURNAL, 91 (2):208-219; 10.1111/tpj.13556 JUL 2017

[A quantum Samaritan's dilemma cellular automaton – Q2](#)

Alonso-Sanz, R; Situ, H

ROYAL SOCIETY OPEN SCIENCE, 4 (6):10.1098/rsos.160669 JUN 2017

[Subir](#)

## ETSI Caminos, Canales y Puertos

[Managing Water Resources to Adapt to Climate Change: Facing Uncertainty and Scarcity in a Changing Context-Q1](#)

Garrote, L

WATER RESOURCES MANAGEMENT, 31 (10):2951-2963; 10.1007/s11269-017-1714-6  
AUG 2017

[Dynamic participation processes for policy packaging in transport backcasting studies-Q1](#)

Soria-Lara, JA; Banister, D

TRANSPORT POLICY, 58 19-30; 10.1016/j.tranpol.2017.04.006 AUG 2017

[High Speed Rail commuting impacts on labour migration: The case of the concentration of metropolis in the Madrid functional area-Q1](#)

Guirao, B; Lara-Galera, A; Campa, JL

LAND USE POLICY, 66 131-140; 10.1016/j.landusepol.2017.04.035 JUL 2017

[Strain-balanced type-II superlattices for efficient multi-junction solar cells-Q1](#)

Gonzalo, A; Utrilla, AD; Reyes, DF; Braza, V; Llorens, JM; Marron, DF; Alen, B; Ben, T; Gonzalez, D; Guzman, A; Hierro, A; Ulloa, JM

SCIENTIFIC REPORTS, 7 10.1038/s41598-017-04321-4 JUN 21 2017

[THE PECULIARITIES OF PROSODY OF YOUNG CHILDREN WITH DISABILITIES IN THE ACQUIREMENT OF SPEECH-](#)

Sheremetyeva, EV; Spirina, EA; Pidal, IM

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 3439-3442; 2016

[PECULIARITIES OF THE COMMUNICATIVE- SPEECH COMPETENCES OF THE INFANTS WITH DEVIATIONS IN LANGUAGE DEVELOPMENT-](#)

Kimmel, MV; Sheremetyeva, E; Kovaleva, OI; Pidal, IM

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 3435-3438; 2016

[CONSTRUCTION HISTORY EDUCATION FOR LANDSCAPE AND CIVIL ENGINEERING-](#)

Larena, JB; Larena, AB

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 2000-2000; 2016

[COLLABORATIVE AND GEOREFERENCED SYSTEMS IN EDUCATION FOR LANDSCAPE AND CIVIL ENGINEERING-](#)

Larena, JB; Lamas, PH; Rubio-Gavilan, A

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1982-1989; 2016

[Incorporation of non-associative flow rules into rock slope stability analysis-Q1](#)

Melentijevic, S; Serrano, A; Olalla, C; Galindo, RA

INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, 96 47-57; 10.1016/j.ijrmms.2017.04.010 JUL 2017

[The influence of location, socioeconomics, and behaviour on travel-demand by car in metropolitan university campuses-Q2](#)

Soria-Lara, JA; Marquet, O; Miralles-Guasch, C

TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, 53 149-160; 10.1016/j.trd.2017.04.008 JUN 2017

[The European 2015 drought from a hydrological perspective-Q1](#)

Laaha, G; Gauster, T; Tallaksen, LM; Vidal, JP; Stahl, K; Prudhomme, C; Heudorfer, B; Vlnas, R; Ionita, M; Van Lanen, HAJ; Adler, MJ; Caillouet, L; Delus, C; Fendekova, M; Gailliez, S; Hannaford, J; Kingston, D; Van Loon, AF; Mediero, L; Osuch, M; Romanowicz, R; Sauquet, E; Stagge, JH; Wong, WK

HYDROLOGY AND EARTH SYSTEM SCIENCES, 21 (6):3001-3024; 10.5194/hess-21-3001-2017 JUN 22 2017

[Characterizing effects of hydropower plants on sub-daily flow regimes-Q1](#)

Bejarano, MD; Sordo-Ward, A; Alonso, C; Nilsson, C

JOURNAL OF HYDROLOGY, 550 186-200; 10.1016/j.jhydrol.2017.04.023 JUL 2017

[Influence of initial reservoir level and gate failure in dam safety analysis. Stochastic approach-Q1](#)

Gabriel-Martin, I; Sordo-Ward, A; Garrote, L; Castillo, LG

JOURNAL OF HYDROLOGY, 550 669-684; 10.1016/j.jhydrol.2017.05.032 JUL 2017

[Managing Traffic Flows for Cleaner Cities: The Role of Green Navigation Systems-Q2](#)

Perez-Prada, F; Monzon, A; Valdes, C

ENERGIES, 10 (6):10.3390/en10060791 JUN 2017

[Deriving Optimal End of Day Storage for Pumped-Storage Power Plants in the Joint Energy and Reserve Day-Ahead Scheduling-Q2](#)

Chazarra, M; Perez-Diaz, JI; Garcia-Gonzalez, J

ENERGIES, 10 (6):10.3390/en10060813 JUN 2017

[On the spectral analysis of residual stress in finite elasticity-Q2](#)

Shariff, MHBM; Bustamante, R; Merodio, J

IMA JOURNAL OF APPLIED MATHEMATICS, 82 (3):656-680; 10.1093/imamat/hxx007 JUN 2017



[A Parametric Flood Control Method for Dams with Gate-Controlled Spillways-Q2](#)

Sordo-Ward, A; Gabriel-Martin, I; Bianucci, P; Garrote, L

WATER, 9 (4):10.3390/w9040237 APR 2017

[The role of malignant tissue on the thermal distribution of cancerous breast – Q1](#)

Ramirez-Torres, A; Rodriguez-Ramos, R; Sabina, FJ; Garcia-Reimbert, C; Penta, R; Merodio, J; Guinovart-Diaz, R; Bravo-Castillero, J; Conci, A; Preziosi, L

JOURNAL OF THEORETICAL BIOLOGY, 426 152-161; 10.1016/j.jtbi.2017.05.031 AUG 7 2017

[Modelling of Fluidised Geomaterials: The Case of the Aberfan and the Gypsum Tailings Impoundment Flowslides – Q2](#)

Dutto, P; Stickle, MM; Pastor, M; Manzanal, D; Yague, A; Tayyebi, SM; Lin, C; Elizalde, MD

MATERIALS, 10 (5):10.3390/ma10050562 MAY 2017

[Smart Mobility and Smart Environment in the Spanish cities](#)

Aleta, NB; Alonso, CM; Ruiz, RMA

3RD CONFERENCE ON SUSTAINABLE URBAN MOBILITY (3RD CSUM 2016), 24 163-170; 10.1016/j.trpro.2017.05.084 2017

[Towards a standard policy for structural monitoring in cable-stayed bridges](#)

Astiz, MA

MAINTENANCE, MONITORING, SAFETY, RISK AND RESILIENCE OF BRIDGES AND BRIDGE NETWORKS, 23-38; 2016

[Subir](#)

## ETSI Industriales

[Fully low temperature interdigitated back-contacted c-Si\(n\) solar cells based on laser-doping from dielectric stacks-Q1](#)

Ortega, P; Lopez, G; Munoz, D; Martin, I; Voz, C; Molpeceres, C; Alcubilla, R

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 169 107-112;  
10.1016/j.solmat.2017.05.017 SEP 2017

[Validation of the Hirst-Type Spore Trap for Simultaneous Monitoring of Prokaryotic and Eukaryotic Biodiversities in Urban Air Samples by Next-Generation Sequencing-Q1](#)

Nunez, A; de Paz, GA; Ferencova, Z; Rastrojo, A; Guantes, R; Garcia, AM; Alcamí, A; Gutierrez-Bustillo, AM; Moreno, DA

APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 83 (13):10.1128/AEM.00472-17 JUL 2017

[Hansen solubility parameter: from polyethylene and poly\(vinyl acetate\) homopolymers to ethylene-vinyl acetate copolymers-Q2](#)

Camacho, J; Diez, E; Diaz, I; Ovejero, G

POLYMER INTERNATIONAL, 66 (7):1013-1020; 10.1002/pi.5351 JUL 2017

[Temperature dependence of underdense nanostructure formation in tungsten under helium irradiation-Q1](#)

Valles, G; Martin-Bragado, I; Nordlund, K; Lasa, A; Bjorkas, C; Safi, E; Perlado, JM; Rivera, A

JOURNAL OF NUCLEAR MATERIALS, 490 108-114; 10.1016/j.jnucmat.2017.04.021 JUL 2017

[Current trends in reconfigurable modular robots design-Q3](#)

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gambao, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14 (3):10.1177/1729881417710457 JUN 12 2017

[Highly Efficient Linear Power Amplifier for Driving Fast Slew Rate Capacitive Loads-](#)

Vasic, M; Boere, E; Garcia, O; Alou, P; Oliver, JA; Eltze, J; Cobos, JA

2017 THIRTY SECOND ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC), 2150-2156; 2017

[A Comparative Analysis of Two Approaches in EER Based Envelope Tracking Power-](#)

Lazarevic, VZ; Vasic, M; Garcia, O; Jin, Q; Alou, P; Oliver, JA; Cobos, JA

2017 THIRTY SECOND ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC), 3252-3258; 2017

[Determining mission evolution through UAV telemetry by using decision trees-](#)

Roldan, JJ; Garcia-Aunon, P; del Cerro, J; Barrientos, A

2016 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC), 188-193; 2016

[The design of a novel structural four-beams-bossed-membrane \(FBBM\) piezoresistive pressure sensor-Q1](#)

Li, C; Cordovilla, F; Ocana, JL

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

[Shoulder assessment methodology, clinical studies and SOFI rehabilitation exoskeleton-Q2](#)

Varela, J; Saltaren, RJ; Puglisi, L; Lopez, J; Alvarez, M; Rodriguez, JC

ROBOTICS AND AUTONOMOUS SYSTEMS, 94 264-281; 10.1016/j.robot.2017.04.008 AUG 2017

[Triblock copolyesters derived from lactic acid and glucose: Synthesis, nanoparticle formation and simulation-Q1](#)

Zakharova, E; Leon, S; de Ilarduya, AM; Munoz-Guerra, S

EUROPEAN POLYMER JOURNAL, 92 1-12; 10.1016/j.eurpolymj.2017.04.033 JUL 2017

[Restoring a Radionuclide Contaminated Aquatic Ecosystem: A Group Decision Making Problem with Incomplete Information within MAUT Accounting for Veto-Q1](#)

Jimenez-Martin, A; Gallego, E; Mateos, A; del Pozo, JAF

GROUP DECISION AND NEGOTIATION, 26 (4):653-675; SI 10.1007/s10726-017-9526-x  
JUL 2017

[Entropy Analysis for Damage Quantification of Hysteretic Dampers Used as Seismic Protection of Buildings-Q3](#)

Suarez, E; Roldan, A; Gallego, A; Benavent-Climent, A

APPLIED SCIENCES-BASEL, 7 (6):10.3390/app7060628 JUN 2017

[Fleets of robots for environmentally-safe pest control in agriculture-Q1](#)

Gonzalez-de-Santos, P; Ribeiro, A; Fernandez-Quintanilla, C; Lopez-Granados, F; Brandstoetter, M; Tomic, S; Pedrazzi, S; Peruzzi, A; Pajares, G; Kaplanis, G; Perez-Ruiz, M; Valero, C; del Cerro, J; Vieri, M; Rabatel, G; Debilde, B

PRECISION AGRICULTURE, 18 (4):574-614; 10.1007/s11119-016-9476-3 AUG 2017

[Modelling NOx concentrations through CFD-RANS in an urban hot spot using high resolution traffic emissions and meteorology from a mesoscale model-Q1](#)

Sanchez, B; Santiago, JL; Martilli, A; Martin, F; Sorge, R; Quaassdorff, C; de la Paz, D

ATMOSPHERIC ENVIRONMENT, 163 155-165; 10.1016/j.atmosenv.2017.05.022 AUG 2017

[Study of a new 'chiral proton' organocatalyst with hydrolase activity: application in azlactone racemic dynamic resolution-Q2](#)

de Arriba, ALF; Rubio, OH; Simon, L; Alcazar, V; Monleon, LM; Sanz, F; Moran, JR

TETRAHEDRON-ASYMMETRY, 28 (6):819-823; 10.1016/j.tetasy.2017.04.012 JUN 15 2017

[Implementation of a Generic Constraint Function to Solve the Direct Kinematics of Parallel Manipulators Using Newton-Raphson Approach-Q4](#)

Puglisi, LJ; Pazmino, RJS; Cena, CEG; Cardenas, PF; Moreno, HA

CONTROL ENGINEERING AND APPLIED INFORMATICS, 19 (2):71-79; JUN 2017

[Experimental study of the interaction of two laser-driven radiative shocks at the PALS laser-Q4](#)

Singh, RL; Stehle, C; Suzuki-Vidal, F; Kozlova, M; Larour, J; Chaulagain, U; Clayson, T; Rodriguez, R; Gil, JM; Nejd, J; Krus, M; Dostal, J; Dudzak, R; Barroso, P; Acef, O; Cotel, M; Velarde, P

HIGH ENERGY DENSITY PHYSICS, 23 20-30; 10.1016/j.hedp.2017.03.001 JUN 2017

[Counter-propagating radiative shock experiments on the Orion laser and the formation of radiative precursors-Q4](#)

Clayson, T; Suzuki-Vidal, F; Lebedev, SV; Swadling, GF; Stehle, C; Burdiak, GC; Foster, JM; Skidmore, J; Graham, P; Gumbrell, E; Patankar, S; Spindloe, C; Chaulagain, U; Kozlova, M; Larour, J; Singh, RL; Rodriguez, R; Gil, JM; Espinosa, G; Velarde, P; Danson, C

HIGH ENERGY DENSITY PHYSICS, 23 60-72; 10.1016/j.hedp.2017.03.002 JUN 2017

[Assessing the Effect of Carbon Tariffs on International Trade and Emission Reduction of China's Industrial Products under the Background of Global Climate Governance-Q2](#)

Chen, WG; Guo, Q

SUSTAINABILITY, 9 (6):10.3390/su9061028 JUN 2017

[Development towards Compact Nitrocellulose-Based Interferometric Biochips for Dry Eye MMP9 Label-Free In-Situ Diagnosis-Q1](#)

Santamaria, B; Laguna, MF; Lopez-Romero, D; Hernandez, AL; Sanza, FJ; Lavin, A; Casquel, R; Maigler, MV; Espinosa, RL; Holgado, M

SENSORS, 17 (5):10.3390/s17051158 MAY 2017

[Current trends in reconfigurable modular robots design-Q3](#)

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gambao, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14  
(3):10.1177/1729881417710457 MAY-JUN 2017

[Cross-layer Design of Reconfigurable Cyber-Physical Systems-](#)

Masin, M; Palumbo, F; Myrhaug, H; de Oliveira, JA; Pastena, M; Pelcat, M; Raffo, L;  
Regazzoni, F; Sanchez, AA; Toffetti, A; de La Torre, E; Zedda, K

PROCEEDINGS OF THE 2017 DESIGN, AUTOMATION & TEST IN EUROPE CONFERENCE &  
EXHIBITION (DATE), 740-745; 2017

[Meteor studies in the framework of the JEM-EUSO program](#)

Abdellaoui, G; Abe, S; Acheli, A; Adams, JHJH; Ahmad, S; Ahriche, A; Albert, JN; Allard, D;  
Alonso, G; Anchordoqui, L; Andreev, V; Anzalone, A; Aouimeure, W; Arai, Y; Arsene, N;  
Asano, K; Attallah, R; Attoui, H; Pemas, MA; Bacholle, S; Bakiri, M; Baragatti, P; Barrillon,  
P; Bartocci, S; Batsch, T; Bayer, J; Bechini, R; Belenguer, T; Bellotti, R; Belov, A; Belov, K;  
Benadda, B; Benmessai, K; Berlind, AA; Bertaina, M; Biermann, PL; Biktemerova, S;  
Bisconti, F; Blanc, N; Blecki, J; Blin-Bondil, S; Bobik, P; Bogomilov, M; Bonamente, M;  
Boudaoud, R; Bozzo, E; Briggs, MS; Bruno, A; Caballero, KS; Cafagna, F; Campana, D;  
Capdevielle, JN; Capel, F; Caramete, A; Caramete, L; Carlson, P; Caruso, R; Casolino, M;  
Cassardo, C; Castellina, A; Castellini, G; Catalano, C; Catalano, O; Cellino, A; Chikawa, M;  
Chiritoi, G; Christl, MJ; Connaughton, V; Conti, L; Cordero, G; Crawford, HJ; Cremonini, R;  
Csorna, S; Dagoret-Campagne, S; De Donato, C; de la Taille, C; De Santis, C; del Peral, L;  
Di Martino, M; Djemil, T; Djenas, SA; Dulucq, F; Dupieux, M; Dutan, I; Ebersoldt, A;  
Ebisuzaki, T; Engel, R; Eser, J; Fang, K; Fenu, F; Fernandez-Gonzalez, S; Fernandez-  
Soriano, J; Ferrarese, S; Finco, D; Flamini, M; Fornaro, C; Fouka, M; Franceschi, A;  
Franchini, S; Fuglesang, C; Fujimoto, J; Fukushima, M; Galeotti, P; Garcia-Ortega, E;  
Garipov, G; Gascon, E; Geary, J; Gelmini, G; Genci, J; Giraudo, G; Gonchar, M; Alvarado,  
CG; Gorodetzky, P; Guarino, F; Guehaz, R; Guzman, A; Hachisu, Y; Haiduc, M; Harlov, B;  
Haungs, A; Carretero, JH; Hidber, W; Higashide, K; Ikeda, D; Ikeda, H; Inoue, N; Inoue, S;  
Isgro, F; Itow, Y; Jammer, T; Joven, E; Judd, EG; Jung, A; Jochum, J; Kajino, F; Kajino, T;  
Kalli, S; Kaneko, I; Kang, D; Kanouni, F; Karadzhov, Y; Karczmarczyk, J; Karus, M; Katahira,  
K; Kawai, K; Kawasaki, Y; Kedadra, A; Khales, H; Khrenov, BA; Kim, JS; Kim, SW; Kim, SW;  
Kleifges, M; Klimov, PA; Kolev, D; Kreykenbohm, I; Kudela, K; Kurihara, Y; Kusenko, A;  
Kuznetsov, E; Lacombe, M; Lachaud, C; Lahmar, H; Lakhdari, F; Larsson, O; Lee, J;  
Licandro, J; Lim, H; Campano, LL; Maccarone, MC; Mackovjak, S; Mandi, M; Maravilla, D;  
Marcelli, L; Marcos, JL; Marini, A; Martens, K; Martin, Y; Martinez, O; Masciantonio, G;  
Mase, K; Matev, R; Matthews, JN; Mebarki, N; Medina-Tanco, G; Mehrad, L; Mendoza,

MA; Merino, A; Memik, T; Meseguer, J; Messaoud, S; Micu, O; Mimouni, J; Miyamoto, H; Miyazaki, Y; Mizumoto, Y; Modestino, G; Monaco, A; Monnier-Ragaigne, D; de los Rios, JAM; Moretto, C; Morozenko, VS; Mot, B; Murakami, T; Nadji, B; Nagano, M; Nagata, M; Nagataki, S; Nakamura, T; Napolitano, T; Nardellis, A; Naumov, D; Nava, R; Neronov, A; Nomoto, K; Nonaka, T; Ogawa, T; Ogio, S; Ohmori, H; Olinto, AV; Orleariski, P; Osteria, G; Painter, W; Panasyuk, MI; Panico, B; Parizot, E; Park, IH; Park, HW; Pastircak, B; Patzak, T; Paul, T; Pennypacker, C; Perdichizzi, M; Perez-Grande, I; Perfetto, F; Peter, T; Picozza, P; Pierog, T; Pindado, S; Piotrowski, LW; Pirainou, S; Placidis, L; Plebaniak, Z; Pliego, S; Pollini, A; Popescu, EM; Prat, P; Prevot, G; Prieto, H; Putis, M; Rabanal, J; Radu, AA; Rahmani, M; Reardon, P; Reyes, M; Rezazadeh, M; Ricci, M; Frias, MDR; Ronga, F; Roth, M; Rothkaehl, H; Roudil, G; Rusinov, I; Rybczynski, M; Sabau, MD; Cano, GS; Sagawa, H; Sahnoune, Z; Saito, A; Sakaki, N; Sakata, M; Salazar, H; Sanchez, JC; Sanchez, JL; Santangelo, A; Cruz, LS; Sanz-Andres, A; Palomino, MS; Saprykin, O; Sarazin, F; Sato, H; Sato, M; Schanz, T; Schieler, H; Scotti, V; Segreto, A; Selmane, S; Semikoz, D; Serra, M; Sharakin, S; Shibata, T; Shimizu, HM; Shinozaki, K; Shirahama, T; Siemieniec-Ozieblo, G; Sledd, J; Slomiriska, K; Sobey, A; Stan, I; Sugiyama, T; Supanitsky, D; Suzuki, M; Szabelska, B; Szabelski, J; Tah, H; Tajima, F; Tajima, N; Tajima, T; Takahashi, Y; Takami, H; Takeda, M; Takizawa, Y; Talai, MC; Tenzer, C; Tibolla, O; Tkachev, L; Tokuno, H; Tomida, T; Tone, N; Toscano, S; Traiche, M; Tsenov, R; Tsunesada, Y; Tsuno, K; Tymieniecka, T; Uchihori, Y; Unger, M; Vaduvescu, O; Valdes-Galicia, JF; Vallania, P; Vankova, G; Vigorito, C; Villasenor, L; Vicek, B; von Ballmoos, P; Vrabel, M; Wada, S; Watanabe, J; Watanabe, S; Watts, J; Weber, M; Munoz, RW; Weindl, A; Weiler, TJ; Wibig, T; Wiencke, L; Wille, M; Wilms, J; Wlodarczyk, Z; Yamamoto, T; Yamamoto, Y; Yang, J; Yano, H; Yashin, IV; Yonetoku, D; Yoshida, S; Young, R; Zgura, IS; Zotov, MY; Marchi, AZ

PLANETARY AND SPACE SCIENCE, 143 245-255; SI 10.1016/j.pss.2016.12.001 SEP 1 2017

[Study of the effects of focused high-energy boron ion implantation in diamond](#) – Q3

Ynsa, MD; Agullo-Rueda, F; Gordillo, N; Maira, A; Moreno-Cerrada, D; Ramos, MA

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM  
INTERACTIONS WITH MATERIALS AND ATOMS, 404 207-210;  
10.1016/j.nimb.2017.01.052 AUG 1 2017

[Effect of the structural reinforcement of composite adherends on the mechanical strength of adhesive joints](#) – Q4

Hunter, R; Vizan, A; Perez, J; Moller, J; Leyrer, J; da Silva, LFM

MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, 48 (6):546-555;  
10.1002/mawe.201600565 JUN 2017

[Tribo-Mechanical Properties of Hard Hydrogen-Free Diamond-Like Carbon Coatings Prepared by Magnetron Sputtering](#)

Fernandez-Martinez, I; Santiago, JA; Bellido-Gonzalez, V; Monclus, M; Molina, J; Gonzalez-Arrabal, R; Papa, F; Wennberg, A

SOCIETY OF VACUUM COATERS 59TH ANNUAL TECHNICAL CONFERENCE PROCEEDINGS, 2016, 126-131; 10.14332/svc16.proc.0038 2016

[Subir](#)



## ETSI Minas y Energía

[A case study on global sensitivity analysis with dependent inputs: The natural gas transmission model](#)-Q1

Lopez-Benito, A; Bolado-Lavin, R

RELIABILITY ENGINEERING & SYSTEM SAFETY, 165 11-21; 10.1016/j.ress.2017.03.019 SEP 2017

[A combined photovoltaic and novel renewable energy system: An optimized techno-economic analysis for mining industry applications](#)-Q1

Vyhmeister, E; Munoz, CA; Miquel, JMB; Moya, JP; Guerra, CF; Mayor, LR; Godoy-Faundez, A; Higuera, P; Clemente-Jul, C; Valdes-Gonzalez, H; Reyes-Bozo, L

JOURNAL OF CLEANER PRODUCTION, 149 999-1010; 10.1016/j.jclepro.2017.02.136 APR 15 2017

[Predicting the Risk of Fault-Induced Water Inrush Using the Adaptive Neuro-Fuzzy Inference System](#)-Q1

Zhou, QL; Herrera-Herbert, J; Hidalgo, A

MINERALS, 7 (4):10.3390/min7040055 APR 2017

[Spatial uncertainty of a geoid undulation model in Guayaquil, Ecuador](#)-Q4

Chicaiza, EG; Leiva, CA; Arranz, JJ; Buenano, XE

OPEN GEOSCIENCES, 9 (1):255-265; 10.1515/geo-2017-0021 JAN 2017

[The design of a novel structural four-beams-bossed-membrane \(FBBM\) piezoresistive pressure sensor](#)-Q1

Li, C; Cordovilla, F; Ocana, JL

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

[Subir](#)

## ETSI Montes, Forestal y del Medio Natural

Centros integrados en esta Escuela: ETSI Montes y EUIT Forestal.

### ETSI Montes

[Exploring range shifts of contrasting tree species across a bioclimatic transition zone-Q1](#)

Hernandez, L; de Dios, RS; Montes, F; Sainz-Ollero, H; Canellas, I

EUROPEAN JOURNAL OF FOREST RESEARCH, 136 (3):481-492; 10.1007/s10342-017-1047-2 JUN 2017

[Root uptake of inorganic and organic N chemical forms in two coexisting Mediterranean forest trees-Q1](#)

Uscola, M; Villar-Salvador, P; Oliet, J; Warren, CR

PLANT AND SOIL, 415 (1-2):387-392; 10.1007/s11104-017-3172-6 JUN 2017

[Land-use history as a major driver for long-term forest dynamics in the Sierra de Guadarrama National Park \(central Spain\) during the last millennia: implications for forest conservation and management-Q1](#)

Morales-Molino, C; Colombaroli, D; Valbuena-Carabana, M; Tinner, W; Salomon, RL; Carrion, JS; Gil, L

GLOBAL AND PLANETARY CHANGE, 152 64-75; 10.1016/j.gloplacha.2017.02.012 MAY 2017

[THE EFFECT OF NATURAL WEATHERING ON UNTREATED WOOD SURFACE-Q2](#)

Oberhofnerova, E; Panek, M; Garcia-Cimarras, A

MADERAS-CIENCIA Y TECNOLOGIA, 19 (2):173-184; 10.4067/S0718-221X2017005000015 2017

[EFFECT OF THE ANATOMICAL STRUCTURE, WOOD PROPERTIES AND MACHINING CONDITIONS ON SURFACE ROUGHNESS OF WOOD-Q2](#)

Laina, R; Sanz-Lobera, A; Villasante, A; Lopez-Espi, P; Martinez-Rojas, JA; Alpuente, J; Sanchez-Montero, R; Vignote, S

MADERAS-CIENCIA Y TECNOLOGIA, 19 (2):203-212; 10.4067/S0718-221X2017005000018  
2017

[VIRTUAL LEARNING ENVIRONMENTS IN MASTER CLASSES: WEB CONFERENCING-](#)

Hernando, A; Legrand, M; Velazquez, J; Silva, M; Garcia-Abril, A

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 6878-6883; 2016

[MSC DEGREE ON MANAGEMENT OF SUSTAINABLE AND ECOLOGICAL TOURISM: FROM MEST TO METS-](#)

Arraiza, MP; Cordon, C; Calderon-Guerrero, C; Marti, C; Gimenez, MC; Lopez, JV; Garcia, JL; Ioras, F

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 4338-4343; 2016

[CURRENT STRATEGIES FOR STUDENT RECRUITMENT AND RETENTION IN FOREST ENGINEERING AND ENVIRONMENTAL-RELATED DEGREES IN MADRID \(SPAIN\)-](#)

Calderon-Guerrero, C; Arraiza, MP; Alvarez, JVL; Ioras, F

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 3483-3490; 2016

[ANALYSIS AND COMPARISON OF THE INFORMATION ON MASTER'S DEGREES ON THE WEBSITES OF EUROPEAN AND SPANISH UNIVERSITIES-](#)

Sanchez-Medina, A; Garcia-Ventura, C; Ayuga-Tellez, E; Garcia-Garcia, MJ; Gonzalez-Garcia, C

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 2222-2230; 2016

[APPLICATION OF EUR-ACE STANDARDS TO FORESTRY AND ENVIRONMENTAL ENGINEERING DEGREES-](#)

Gonzalez-Garcia, C; Ayuga-Tellez, E; Garcia-Garcia, MJ; Grande-Ortiz, MA; Sanchez-Medina, A

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 2168-2174; 2016

[EMPLOYABILITY IN FORESTRY AND ENVIRONMENTAL SECTORS. THE EMPLOYERS' POINT OF VIEW-](#)

Sanchez-Medina, A; Garcia-Garcia, MJ; Gonzalez-Garcia, C; Robredo-Sanchez, JC; Martin-Tome, J

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1916-1923; 2016

[CREATIVITY, TEAMWORK AND PROBLEM SOLVING IN HIGH SCHOOL STUDENTS. RELATIONSHIP WITH CHOICE OF PRE-UNIVERSITY MAJOR-](#)

Garcia-Garcia, MJ; Grande-Ortiz, MA; Gonzalez-Garcia, C; Rodriguez-Malo, P

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1851-1858; 2016

[Differential tree recruitment in California oak savannas: Are evergreen oaks replacing deciduous oaks?-Q1](#)

Perea, R; Lopez-Sanchez, A; Dirzo, R

FOREST ECOLOGY AND MANAGEMENT, 399 1-8; 10.1016/j.foreco.2017.05.018 SEP 1 2017

[Characterizing effects of hydropower plants on sub-daily flow regimes-Q1](#)

Bejarano, MD; Sordo-Ward, A; Alonso, C; Nilsson, C

JOURNAL OF HYDROLOGY, 550 186-200; 10.1016/j.jhydrol.2017.04.023 JUL 2017

[Integrating Sustainability in Organisations: An Activity-Based Sustainability Model](#)-Q2

Rodriguez-Olalla, A; Aviles-Palacios, C

SUSTAINABILITY, 9 (6):10.3390/su9061072 JUN 2017

[Genetic Diversity in Relict and Fragmented Populations of \*Ulmus glabra\* Hudson in the Central System of the Iberian Peninsula](#)-Q1

del Puerto, MM; Garcia, FM; Mohanty, A; Martin, JP

FORESTS, 8 (5):10.3390/f8050143 MAY 2017

[Stem hydraulic capacitance decreases with drought stress: implications for modelling tree hydraulics in the Mediterranean oak \*Quercus ilex\*](#) – Q1

Salomon, RL; Limousin, JM; Ourcival, JM; Rodriguez-Calcerrada, J; Steppe, K

PLANT CELL AND ENVIRONMENT, 40 (8):1379-1391; 10.1111/pce.12928 AUG 2017

[Low resistance to cavitation and xylem anatomy partly explain the decrease in the endemic \*Rhamnus ludovici-salvatoris\*](#) – Q3

El Aou-Ouad, H; Lopez, R; Venturas, M; Martorell, S; Medrano, H; Gulias, J

FLORA, 229 1-8; 10.1016/j.flora.2017.01.005 APR 2017

[Subir](#)

## EUIT Forestal

[Influence of amine functionalization of silica particles fillers on the morphology and water permeation of polyethersulfone nanocomposite ultrafiltration membranes-Q2](#)

Martin, A; Arsuaga, JM; Roldan, N; Martinez, A; Sotto, A

DESALINATION AND WATER TREATMENT, 69 18-28; 10.5004/dwt.2017.0687 MAR 2017

[Subir](#)

## ETSI Navales

### [A NEW TOOL TO FACILITATE THE UNIVERSITY STUDENTS IN SELECTING SUBJECTS OF THE MARINE ENGINEERING STUDIES-](#)

Perez, R; Leo, T; Diaz, D; Moran, JL; Herreros, MA

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 5883-5889; 2016

### [Techno-economic challenges of tidal energy conversion systems: Current status and trends-Q1](#)

Segura, E; Morales, R; Somolinos, JA; Lopez, A

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 77 536-550; 10.1016/j.rser.2017.04.054 SEP 2017

### [Bezier developable surfaces-Q1](#)

Fernandez-Jambrina, L

COMPUTER AIDED GEOMETRIC DESIGN, 55 15-28; 10.1016/j.cagd.2017.02.001 JUL 2017

### [Offshore Facilities to Produce Hydrogen-Q2](#)

Blanco-Fernandez, P; Perez-Arribas, F

ENERGIES, 10 (6):10.3390/en10060783 JUN 2017

### [Onset of three-dimensional flow instabilities in lid-driven circular cavities-Q2](#)

Gonzalez, LM; Ferrer, E; Diaz-Ojeda, HR

PHYSICS OF FLUIDS, 29 (6):10.1063/1.4984242 JUN 2017

[Subir](#)

## ETSI Telecomunicación

### [Interpretation of photovoltaic performance of n-ZnO:Al/ZnS:Cr/p-GaP solar cell-Q1](#)

Nematollahi, M; Lopez, E; Ramiro, I; Linares, PG; Antolin, E; Artacho, I; Tablero, C; Karhu, E; Reenaas, TW; Marti, A

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 169 56-60; 10.1016/j.solmat.2017.05.003  
SEP 2017

### [Strain-balanced type-II superlattices for efficient multi-junction solar cells-Q1](#)

Gonzalo, A; Utrilla, AD; Reyes, DF; Braza, V; Llorens, JM; Marron, DF; Alen, B; Ben, T; Gonzalez, D; Guzman, A; Hierro, A; Ulloa, JM

SCIENTIFIC REPORTS, 7 10.1038/s41598-017-04321-4 JUN 21 2017

### [Analysis of a Distributed Array System for Satellite Acquisition-Q1](#)

Anton, A; Garcia-Rojó, I; Giron, A; Morales, E; Martinez, R

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, 53 (3):1158-1168;  
10.1109/TAES.2017.2667898 JUN 2017

### [Generation of Aircraft Intent Based on a Microstrategy Search Tree-Q1](#)

Frontera, G; Besada, JA; Lopez-Leones, J

IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, 18 (6):1405-1421;  
10.1109/TITS.2016.2606368 JUN 2017

### [Evaluation of 360VR cinematic stereoscopic DASH service-](#)

Cabrera, J; Orduna, M; Munoz, L; Garcia, N

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017



[A Service-Oriented Monitoring System Based on Rule Evaluation for Home Automation-](#)

Alcarria, R; de Andres, DM; Bordel, B; de Rivera, DS; Sanchez-Picot, A; Robles, T

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

[Virtualization of Residential IoT Functionality by Using NFV and SDN-](#)

Garcia Hernando, AB; Da Silva Farina, A; Bellido Triana, L; Ruiz Pinar, FJ; Fernandez Cambroner, D

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

[Multijunction solar cells incorporating Group IV SiGeSn alloys-](#)

Cano, P; Lombardero, I; Rey-Stolle, I; Johnson, A; Hoffman, R

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

[Preliminary analysis of annealing impact on 1 eV GaNAsSb Solar Cells-](#)

Lombardero, I; Ochoa, M; Garcia, I; Hinojosa, M; Cano, P; Rey-Stolle, I; Algora, C; Tan, KH; Loke, WK; Wicaksono, S; Yoon, SF; Johnson, A; Davies, JI; Romero, R; Gabas, M

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

[MOVPE issues in the development of ordered GaInP metamorphic buffers for multijunction solar cells-](#)

Hinojosa, M; Garcia, I; Algora, C; Martinez, O

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

[Definition of a Online to Offline \(O2O\) System to Support the Individualized Management and Treatment Strategies for Overall Asthma Control-](#)

Hu, RF; Fico, G; Vera-Munoz, C; Lan, F; Arredondo, MT

2017 IEEE EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL & HEALTH INFORMATICS (BHI), 237-240; 2017

[A Model to Enable Application-scoped Access Control as a Service for IoT Using OAuth 2.0-](#)

Fernandez, F; Alonso, A; Marco, L; Salvachua, J

PROCEEDINGS OF THE 2017 20TH CONFERENCE ON INNOVATIONS IN CLOUDS, INTERNET AND NETWORKS (ICIN), 322-324; 2017

[LEARNING BY DOING: AN EXPERIENCE WITH A NOVEL E-LEARNING PLATFORM AND A LEARNING OBJECT AUTHORIZING TOOL IN A TEACHERS' COURSE ABOUT E-SAFETY-](#)

Gordillo, A; Barra, E; Quemada, J

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 4165-4175; 2016

[A MODEL BASED ON E-LEARNING STANDARDS TO COMBINE, INTEGRATE AND ASSEMBLE LEARNING OBJECTS-](#)

Gordillo, A; Barra, E; Quemada, J

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 4149-4159; 2016

[Sematch: Semantic similarity framework for Knowledge Graphs-Q1](#)

Zhu, GG; Iglesias, CA

KNOWLEDGE-BASED SYSTEMS, 130 30-32; 10.1016/j.knosys.2017.05.021 AUG 15 2017

[First principle study of V-implantation in highly-doped silicon materials-Q2](#)

Garcia, G; Casanova-Paez, M; Palacios, P; Menendez-Proupin, E; Wahnou, P

COMPUTATIONAL MATERIALS SCIENCE, 136 207-215; 10.1016/j.commat.2017.05.005 AUG 2017

[DREAMS-SIS: The Solar Irradiance Sensor on-board the ExoMars 2016 lander-Q3](#)

Arruego, I; Apestigue, V; Jimenez-Martin, J; Martinez-Oter, J; Alvarez-Rios, FJ; Gonzalez-Guerrero, M; Rivas, J; Azcue, J; Martin, I; Toledo, D; Gomez, L; Jimenez-Michavila, M; Yela, M

ADVANCES IN SPACE RESEARCH, 60 (1):103-120; 10.1016/j.asr.2017.04.002 JUL 1 2017

[Pattern Synthesis of Coupled Antenna Arrays via Element Rotation](#)

Echeveste, JI; Rubio, J; de Aza, MAG; Craeye, C

IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 16 1707-1710;  
10.1109/LAWP.2017.2668397 2017

[Low Losses Printed Distribution Network Technologies for Planar Antennas in Ka Band-](#)

Tamayo-Dominguez, A; Fernandez-Gonzalez, JM; Sierra-Perez, M

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 2017

[Application of Bifocal Concept to Dual Reflectarray Configurations for Multi-Beam Satellite Antennas in Ka-Band-](#)

Martinez-De-Rioja, E; Encinar, JA; Pino, A; Gonzalez-Valdes, B; Tienda, C; Hum, SV; Toso, G

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 2017

[Alphasat Propagation Experiment in Madrid: Results on Excess and Total Attenuation-](#)

Riera, JM; Pimienta-del-Valle, D; Garcia-del-Pino, P; Siles, GA; Benarroch, A

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 1-4;  
2017

[Dual Reflectarray Antennas for Contoured Beam and Beam Scanning Applications-](#)

Tienda, C; Encinar, JA; Barba, M; Arrebola, M

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 76-79; 2017

[Evaluation of Recent Prediction Models Using a Long-Term Database of Rainfall Rate Data-](#)

Garcia-del-Pino, P; Pimienta-del-Valle, D; Benarroch, A; Riera, JM

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 20-24; 2017

[Dual-Polarization Reflectarray in Ku-band Based on Two Layers of Dipole-Arrays for a Transmit-Receive Satellite Antenna with South American Coverage-](#)

Encinar, JA; Florencio, R; Arrebola, M; Salas, MA; Barba, M; Boix, RR; Toso, G

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 80-83; 2017

[Control of Phase in Radial Line Slot Antenna for 5G Communications at 60GHz-](#)

Morales, MJL; Hirokawa, J; Sierra-Castaner, M

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 3738-3742; 2017

[HispaSim: a Web Application for Satellite Link Budget Optimization and Management-](#)

Haro, LE; Quiros, GJ; Villalba, AR; Rodriguez-Osorio, RM; Honold, P; Arana, A; Martinez, A; Sanz, I

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 3295-3299; 2017

[Circular Array Antenna for UAV-UAV Communications-](#)

Sun, XL; Blazquez-Garcia, R; Garcia-Tejero, A; Fernandez-Gonzalez, JM; Burgos-Garcia, M; Sierra-Castaner, M

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 2025-2028; 2017

[Liquid Crystal Based Beam Scanning Reflectarrays and Their Potential in SATCOM Antennas-](#)

Perez-Palomino, G; Barba, M; Encinar, JA; Cahill, R; Dickie, R; Baine, P

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 3428-3431; 2017

[5G Communications in High Speed and Metropolitan Railways-](#)

Gonzalez-Plaza, A; Moreno, J; Val, I; Arriola, A; Rodriguez, PM; Jimenez, F; Briso, C

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 658-660; 2017

[Depolarization Effects on Satellite Links Evaluated Using Five-year Experimental Drop Size Distributions-](#)

Garcia-Rubia, J; Riera, JM; Benarroch, A; Garcia-del-Pino, P

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 35-39; 2017

[Wireless Channel Measurements and Modeling for TCMS Communications in Metro Environments-](#)

Val, I; Arriola, A; Rodriguez, PM; Gonzalez-Plaza, A; Alonso, D; Zhang, L; Briso, C; Moreno, J; Sanchez, CR; Echeverria, E; Goikoetxea, J

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 108-112; 2017

[Low Altitude UAV Propagation Channel Modelling-](#)

Cai, XS; Gonzalez-Plaza, A; Alonso, D; Zhang, L; Rodriguez, CB; Yuste, AP; Yin, XF

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 1443-1447; 2017

[Maritime Data Transfer Protocol \(MDTP\): A Proposal for a Data Transmission Protocol in Resource-Constrained Underwater Environments Involving Cyber-Physical Systems-Q1](#)

Rodriguez-Molina, J; Martinez, B; Bilbao, S; Martin-Wanton, T

SENSORS, 17 (6):10.3390/s17061330 JUN 2017

[Assessment of spectrum value: The case of a second digital dividend in Europe-Q2](#)

Frias, Z; Gonzalez-Valderrama, C; Martinez, JP

TELECOMMUNICATIONS POLICY, 41 (5-6):518-532; 10.1016/j.telpol.2016.12.008 JUN 2017

[Ultrasound Transmission Tomography for Detecting and Measuring Cylindrical Objects Embedded in Concrete-Q1](#)

Nunez, DL; Molero-Armenta, MA; Izquierdo, MAG; Hernandez, MG; Velayos, JJA

SENSORS, 17 (5):10.3390/s17051085 MAY 2017

[An Optimal Approach for Low-Power Migraine Prediction Models in the State-of-the-Art Wireless Monitoring Devices-](#)

Pagan, J; Fallahzadeh, R; Ghasemzadeh, H; Moya, JM; Risco-Martin, JL; Ayala, JL

PROCEEDINGS OF THE 2017 DESIGN, AUTOMATION & TEST IN EUROPE CONFERENCE & EXHIBITION (DATE), 1297-1302; 2017

[Design and Thermal Analysis of a High-Power Frequency Doubler at 160 GHz](#)

Viegas, C; Alderman, B; Perez-Moreno, CG; Powell, J; Duff, CI; Sloan, R

2016 IEEE MTT-S INTERNATIONAL MICROWAVE AND RF CONFERENCE (IMARC), 2016

[Self-configuration in humanized Cyber-Physical Systems – Q3](#)

Bordel, B; Alcarria, R; Martin, D; Robles, T; de Rivera, DS

JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, 8 (4):485-496; SI 10.1007/s12652-016-0410-3 AUG 2017

[Optimized Periodic MoM for the Analysis and Design of Dual Polarization Multilayered Reflectarray Antennas Made of Dipoles](#) – Q1

Florencio, R; Boix, RR; Encinar, JA; Toso, G

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 65 (7):3623-3637;  
10.1109/TAP.2017.2702700 JUL 2017

[Simulation Framework for a 3-D High-Resolution Imaging Radar at 300 GHz with a Scattering Model Based on Rendering Techniques](#) – Q1

Ortiz-Jimenez, G; Garcia-Rial, F; Ubeda-Medina, LA; Pages, R; Garcia, N; Grajal, J

IEEE TRANSACTIONS ON TERAHERTZ SCIENCE AND TECHNOLOGY, 7 (4):404-414;  
10.1109/TTHZ.2017.2702590 JUL 2017

[I-vector analysis for Gait-based Person Identification using smartphone inertial signals](#) – Q2

San-Segundo, R; Echeverry-Correa, JD; Salamea-Palacios, C; Lutfi, SL; Pardo, JM

PERVASIVE AND MOBILE COMPUTING, 38 140-153; 10.1016/j.pmcj.2016.09.007 1 JUL 2017

[Subir](#)

## ETSI Topografía, Geodesia y Cartografía

### [Spatial uncertainty of a geoid undulation model in Guayaquil, Ecuador-Q4](#)

Chicaiza, EG; Leiva, CA; Arranz, JJ; Buenano, XE

OPEN GEOSCIENCES, 9 (1):255-265; 10.1515/geo-2017-0021 JAN 2017

### [A Service-Oriented Monitoring System Based on Rule Evaluation for Home Automation-](#)

Alcarria, R; de Andres, DM; Bordel, B; de Rivera, DS; Sanchez-Picot, A; Robles, T

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

### [Statistical analysis of the 2012-2013 Torreperogil-Sabiote seismic series, Spain-Q3](#)

Yazdi, P; Hainzl, S; Gaspar-Escribano, JM

JOURNAL OF SEISMOLOGY, 21 (4):705-717; 10.1007/s10950-016-9630-4 JUL 2017

### [Implementation of an Electronic Ionosonde to Monitor the Earth's Ionosphere via a Projected Column through USRP-Q1](#)

Mendoza, JJB; Ruiz, CFQ; Jaramillo, CRP

SENSORS, 17 (5):10.3390/s17050946 MAY 2017

### [Self-configuration in humanized Cyber-Physical Systems – Q3](#)

Bordel, B; Alcarria, R; Martin, D; Robles, T; de Rivera, DS

JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, 8 (4):485-496; SI 10.1007/s12652-016-0410-3 AUG 2017

[Subir](#)



**Facultad de Ciencias de la Actividad Física y del Deporte (INEF)**

[Influence of Land or Water Exercise in Pregnancy on Outcomes: A Cross-sectional Study-Q1](#)

Barakat, R; Perales, M; Cordero, Y; Bacchi, M; Mottola, MF

MEDICINE AND SCIENCE IN SPORTS AND EXERCISE, 49 (7):1397-1403;  
10.1249/MSS.0000000000001234 JUL 2017

[THE USE OF CLASSIFICATION AND REGRESSION TREE WHEN CLASSIFYING WINNING AND LOSING BASKETBALL TEAMS-Q3](#)

Gomez, MA; Ibanez, SJ; Parejo, I; Furley, P

KINESIOLOGY, 49 (1):47-56; JUN 2017

[Foods contributing to vitamin B-6, folate, and vitamin B-12 intakes and biomarkers status in European adolescents: The HELENA study \(vol 56, pg 1767, 2017\)-Q1](#)

Iglesia, I; Mouratidou, T; Gonzalez-Gross, M; Huybrechts, I; Breidenassel, C; Santabarbara, J; Diaz, LE; Hallstrom, L; De Henauw, S; Gottrand, F; Kafatos, A; Widhalm, K; Manios, Y; Molnar, D; Stehle, P; Moreno, LA

EUROPEAN JOURNAL OF NUTRITION, 56 (4):1783-1783; 10.1007/s00394-016-1361-3 JUN 2017

[Foods contributing to vitamin B-6, folate, and vitamin B-12 intakes and biomarkers status in European adolescents: The HELENA study-Q1](#)

Iglesia, I; Mouratidou, T; Gonzalez-Gross, M; Huybrechts, I; Breidenassel, C; Santabarbara, J; Diaz, LE; Hallstrom, L; De Henauw, S; Gottrand, F; Kafatos, A; Widhalm, K; Manios, Y; Molnar, D; Stehle, P; Moreno, LA

EUROPEAN JOURNAL OF NUTRITION, 56 (4):1767-1782; 10.1007/s00394-016-1221-1 JUN 2017

[Ideal cardiovascular health and inflammation in European adolescents: The HELENA study-Q2](#)

Gonzalez-Gil, EM; Santabarbara, J; Ruiz, JR; Bel-Serrat, S; Huybrechts, I; Pedrero-Chamizo, R; de la O, A; Gottrand, F; Kafatos, A; Widhalm, K; Manios, Y; Molnar, D; De Henauw, S; Plada, M; Ferrari, M; Le Ble, GP; Siani, A; Gonzalez-Gross, M; Gomez-Martinez, S; Marcos, A; Aznar, LAM

NUTRITION METABOLISM AND CARDIOVASCULAR DISEASES, 27 (5):447-455; 10.1016/j.numecd.2016.12.003 MAY 2017

[GAME DEMANDS OF SEVEN-A-SIDE SOCCER IN YOUNG PLAYERS-Q2](#)

Barbero-Alvarez, JC; Gomez-Lopez, M; Castagna, C; Barbero-Alvarez, V; Romero, DV; Blanchfield, AW; Nakamura, FY

JOURNAL OF STRENGTH AND CONDITIONING RESEARCH, 31 (7):1771-1779; JUL 2017

[Lifestyle Patterns and Weight Status in Spanish Adults: The ANIBES Study-Q2](#)

Perez-Rodrigo, C; Gianzo-Citores, M; Gil, A; Gonzalez-Gross, M; Ortega, RM; Serra-Majem, L; Varela-Moreiras, G; Aranceta-Bartrina, J

NUTRIENTS, 9 (6):10.3390/nu9060606 JUN 2017

[Associations between insulin resistance and three B-vitamins in European adolescents: the HELENA study-Q4](#)

Iglesiau, I; Gonzalez-Gross, M; Huybrechts, I; de-Miguel-Etayom, P; Molnar, D; Manios, Y; Widhalm, K; Gottrand, F; Kafatos, A; Marcos, A; Puerta, AD; Leclerc, C; De Henauw, S; Stehle, P; Kersting, M; Mouratidou, T; Moreno, LA

NUTRICION HOSPITALARIA, 34 (3):568-577; 10.20960/nh.559 MAY-JUN 2017

[Prevalence of ideal cardiovascular health in European adolescents: The HELENA study – Q1](#)

Henriksson, P; Henriksson, H; Gracia-Marco, L; Labayen, I; Ortega, FB; Huybrechts, I; Espana-Romero, V; Manios, Y; Widhalm, K; Dallongeville, J; Gonzalez-Gross, M; Marcos, A; Moreno, LA; Castillo, MJ; Ruiz, JR

INTERNATIONAL JOURNAL OF CARDIOLOGY, 240 428-432; 10.1016/j.ijcard.2017.03.022 AUG 1 2017

[Co-creating rubrics: The effects on self-regulated learning, self-efficacy and performance of establishing assessment criteria with students](#) – Q3

Fraile, J; Panadero, E; Pardo, R

STUDIES IN EDUCATIONAL EVALUATION, 53 69-76; 10.1016/j.stueduc.2017.03.003 JUN 2017

[Home Advantage in Judo: Analysis by the Combat Phase, Penalties and the Type of Attack](#) – Q4

Brito, CJ; Miarka, B; de Durana, ALD; Fukuda, DH

JOURNAL OF HUMAN KINETICS, 57 (1):213-220; 10.1515/hukin-2017-0062 JUN 2017

[Predicting maximal oxygen uptake in a generalized population](#) – Q4

Lorenzo, I; Pessoa, DM; Peinado, AB; Peinado, PJB; Calderon, FJ

MEDICINA DELLO SPORT, 70 (1):20-35; 10.23736/S0025-7826.16.02911-2 MAR 2017

[Subir](#)

## ETSI Informáticos

### [Findings from a multi-method study on test-driven development](#)-Q1

Romano, S; Fucci, D; Scanniello, G; Turhan, B; Juristo, N

INFORMATION AND SOFTWARE TECHNOLOGY, 89 64-77; 10.1016/j.infsof.2017.03.010  
SEP 2017

### [Advances in Learning Technologies](#)-Q2

Chang, CK; Reisman, S; Tovar, E

COMPUTER, 50 (5):14-17; MAY 2017

### [P Systems Simulating Bacterial Conjugation: Universality and Properties](#)-Q3

Paun, A; Rodriguez-Paton, A

FUNDAMENTA INFORMATICA, 153 (1-2):87-103; 10.3233/FI-2017-1532 2017

### [Parkinson's disease monitoring by biomechanical instability of phonation](#)-Q1

Gomez-Vilda, P; Palacios-Alonso, D; Rodellar-Biarge, V; Alvarez-Marquina, A; Nieto-Lluis, V; Martinez-Olalla, R

NEUROCOMPUTING, 255 3-16; SI 10.1016/j.neucom.2016.06.092 SEP 13 2017

### [Object-based quality evaluation procedure for fused remote sensing imagery](#)-Q1

Rodriguez-Esparragon, D; Marcello, J; Eugenio, F; Garcia-Pedrero, A; Gonzalo-Martin, C

NEUROCOMPUTING, 255 40-51; SI 10.1016/j.neucom.2016.06.091 SEP 13 2017

### [Restoring a Radionuclide Contaminated Aquatic Ecosystem: A Group Decision Making Problem with Incomplete Information within MAUT Accounting for Veto](#)-Q1

Jimenez-Martin, A; Gallego, E; Mateos, A; del Pozo, JAF

GROUP DECISION AND NEGOTIATION, 26 (4):653-675; SI 10.1007/s10726-017-9526-x  
JUL 2017

[Perceptual ambiguity maps for robot localizability with range perception](#)-Q1

Ruiz-Mayor, A; Crespo, JC; Trivino, G

EXPERT SYSTEMS WITH APPLICATIONS, 85 33-45; 10.1016/j.eswa.2017.05.015 NOV 1 2017

[Abstract, link, publish, exploit: An end to end framework for workflow sharing](#)-Q1

Garijo, D; Gil, Y; Corcho, O

FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF SCIENCE, 75 271-283; 10.1016/j.future.2017.01.008 OCT 2017

[PRECISE NON -INTRUSIVE REAL-TIME GAZE TRACKING SYSTEM FOR EMBEDDED SETUPS](#)-Q4

Garcia-Dopico, A; Perez, A; Pedraza, JL; Cordoba, ML

COMPUTING AND INFORMATICS, 36 (2):257-282; 10.4149/cai\_2017\_2\_257 2017

[Enhancing Collaborative Case Diagnoses Through Unified Medical Language System-Based Disambiguation: A Case Study of the Zika Virus](#) – Q2

Moreira, A; Alonso-Calvo, R; Munoz, A; Crespo, J

TELEMEDICINE AND E-HEALTH, 23 (7):608-614; 10.1089/tmj.2016.0203 JUL 2017

[Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons](#) – Q1

Anton-Sanchez, L; Larranaga, P; Benavides-Piccione, R; Fernaud-Espinosa, I; DeFelipe, J; Bielza, C

PLOS ONE, 12 (6):10.1371/journal.pone.0180400 JUN 29 2017

[Subir](#)

## ETS Edificación

### [SLEEPING HABITS AT ADOLESCENCE AND ITS INFLUENCE ON LEARNING-](#)

Moron, C; Blanco, V; Ferrandez, D; Payan, A; Ramos, MP

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 589-597; 2016

### [MINDFULNESS IN VOCATIONAL TRAINING EDUCATION-](#)

Moron, C; Ramos, MP; Saiz, P; Ferrandez, D; Diaz, JP

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES, 532-539; 2016

### [INNOVATIVE SURVEYING METHODS IN EDIFICACION-](#)

Lopez, MV; del Cura, SH; Gutierrez, IH; Zaldivar, OL; Lobo, PM; Contreras, MCS; Diaz, JRO

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 8058-8066; 2016

### [MIND THE GAP OF LEADERSHIP: THE GENDER MENTORING PROGRAM OF THE BUILDING ENGINEERING SCHOOL-](#)

Merino, MD; Saez, PV; Jimenez, RS

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 5841-5845; 2016

### [DEVELOPMENT OF SCIENTIFIC EDUCATIONAL INITIATIVES TO PROMOTE CREATIVITY AND INNOVATION WITHIN THE MICROENTERPRISE TISSUE OF RURAL MOUNTAIN AREAS-](#)

Bendito, VF; Lopez, MV; Montero, AR; Moreno, PV; Enguita, CG

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 5006-5009; 2016

[LEARNING TO SEE: MADRID AND ITS HISTORY THROUGH THE ANALYSIS OF THE MOST EMBLEMATIC CITY BUILDINGS-](#)

de la Colina, MAF; Gracia, PCI; Lopez, MV

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 2192-2201; 2016

[LEARNING AND KNOWLEDGE TECHNOLOGIES IN PROFESSIONAL TRAINING-](#)

Moron, C; Ferrandez, D; Diaz, JP; Ramos, MP

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 700-706; 2016

[THE IMPORTANCE OF EDUCATIONAL GUIDANCE AT EVERY STAGE OF THE EDUCATION SYSTEM-](#)

Moron, C; Ferrandez, D; Ramos, MP; Dorado, MG

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 632-638; 2016

[EXPERIMENTAL STUDY OF FLEXURAL BEHAVIOUR OF LAYERED STEEL FIBRE REINFORCED CONCRETE BEAMS-Q2](#)

Martinez-Perez, I; Valivonis, J; Salna, R; Cobo-Escamilla, A

JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, 23 (6):806-813;  
10.3846/13923730.2017.1319413

[Subir](#)

## ETSI Sistemas Informáticos

### [Future directions in Agile research: Alignment and divergence between research and practice](#)-Q3

Mishra, A; Garbajosa, J; Wang, XF; Bosch, J; Abrahamsson, P

JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS, 29 (6):SI 10.1002/smr.1884 JUN 2017

### [Toward Big Data Value Engineering for Innovation](#)-

Chen, HM; Kazman, R; Garbajosa, J; Gonzalez, E

2016 IEEE/ACM 2ND INTERNATIONAL WORKSHOP ON BIG DATA SOFTWARE ENGINEERING (BIGDSE 2016), 44-50; 10.1145/2896825.2896837 2016

### [General Variable Neighborhood Search for the Order Batching and Sequencing Problem](#) – Q1

Menendez, B; Bustillo, M; Pardo, EG; Duarte, A

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, 263 (1):82-93;  
10.1016/j.ejor.2017.05.001 NOV 16 2017

### [Transducers based on networks of polarized evolutionary processors](#) – Q4

Arroyo, F; Gomez-Canaval, S; Mitrana, V; Sanchez-Couso, JR

THEORETICAL COMPUTER SCIENCE, 682 22-29; SI 10.1016/j.tcs.2016.10.014 JUN 19 2017

[Subir](#)



## ETSI Diseño Industrial

### [Electrical railway power supply systems: Current situation and future trends-Q1](#)

Serrano-Jimenez, D; Abrahamsson, L; Castano-Solis, S; Sanz-Feito, J

INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, 92 181-192;  
10.1016/j.ijepes.2017.05.008 NOV 2017

### [Current trends in reconfigurable modular robots design-Q3](#)

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gamba, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14  
(3):10.1177/1729881417710457 JUN 12 2017

### [Teaching science contents through a "Flipped" model: An instruction example for Primary Education bachelor students-Q4](#)

Gomez, DG; Canada, FC; Jeong, JS; Pico, AG

ENSEÑANZA DE LAS CIENCIAS, 35 (2):71-87; 10.5565/rev/ensciencias.2233 2017

### [DESIGNING OF BONE MATERIAL WITH THREE-DIMENSIONAL PRINTERS: A SUPPORT TO STUDY ANATOMY IN HEALTH SCIENCES. EXAMPLE WITH JAW MODELS](#)

Lozano, MTU; Mendez, JAJ; Lagandara, JG; Haro, FB

EDULEARN16: 8TH INTERNATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING  
TECHNOLOGIES, 7098-7106; 2016

### [Comparative Energy Performance Analysis of Six Primary Photovoltaic Technologies in Madrid \(Spain\)-Q2](#)

Guerra, TA; Guerra, JA; Tabernero, BO; Garcia, GD

ENERGIES, 10 (6):10.3390/en10060772 JUN 2017

[Implementation of a Generic Constraint Function to Solve the Direct Kinematics of Parallel Manipulators Using Newton-Raphson Approach](#)-Q4

Puglisi, LJ; Pazmino, RJS; Cena, CEG; Cardenas, PF; Moreno, HA

CONTROL ENGINEERING AND APPLIED INFORMATICS, 19 (2):71-79; JUN 2017

[Current trends in reconfigurable modular robots design](#)-Q3

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gambao, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14  
(3):10.1177/1729881417710457 MAY-JUN 2017

[Subir](#)

## ETSI Civil

[A CRO-species optimization scheme for robust global solar radiation statistical downscaling-Q1](#)

Salcedo-Sanz, S; Jimenez-Fernandez, S; Aybar-Ruiz, A; Casanova-Mateo, C; Sanz-Justo, J; Garcia-Herrera, R

RENEWABLE ENERGY, 111 63-76; 10.1016/j.renene.2017.03.079 OCT 2017

[Structural and spectroscopic characterization of various isotopologues of 2-hydroxyacetonitrile using highly correlated ab initio methods-Q3](#)

Dalbouha, S; Dominguez-Gomez, RM; Senent, ML

EUROPEAN PHYSICAL JOURNAL D, 71 (6):10.1140/epjd/e2017-70748-y JUN 20 2017

[Lifting up a 270 meter long sinking bridge over Guadalquivir River with the technique of jet-grouting](#)

Jurado, C

MAINTENANCE, MONITORING, SAFETY, RISK AND RESILIENCE OF BRIDGES AND BRIDGE NETWORKS, 601-601; 2016

[Large bridge "in pergola" for high speed trains to the northwest of Spain](#)

Cabanes, CJ

MAINTENANCE, MONITORING, SAFETY, RISK AND RESILIENCE OF BRIDGES AND BRIDGE NETWORKS, 453-453; 2016

[Subir](#)

## ETSI Sistemas Telecomunicación

### [Real-time HEVC decoding with OpenHEVC and OpenMP-](#)

Pescador, F; Chavarrias, M; Garrido, M; Malagon, J; Sanz, C

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

### [Virtualization of Residential IoT Functionality by Using NFV and SDN-](#)

Garcia Hernando, AB; Da Silva Farina, A; Bellido Triana, L; Ruiz Pinar, FJ; Fernandez Cambronero, D

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

### [GAMIFIED OPEN Q&A FORUM MODEL AS A PLATFORM FOR A CMOOCS-](#)

Borras-Gene, O; Martinez-Nunez, M; Blazquez-Sevilla, A

INTED2016: 10TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 4903-4910; 2016

### [Porting a PCA-based hyperspectral image dimensionality reduction algorithm for brain cancer detection on a manycore architecture-Q2](#)

Lazcano, R; Madronal, D; Salvador, R; Desnos, K; Pelcat, M; Guerra, R; Fabelo, H; Ortega, S; Lopez, S; Callico, GM; Juarez, E; Sanz, C

JOURNAL OF SYSTEMS ARCHITECTURE, 77 101-111; 10.1016/j.sysarc.2017.05.001 JUN 2017

### [Propagation Measurements and Modelling Inside Trains at 900 MHz, 2.4 and 5.8GHz-](#)

Zhang, L; Gonzalez-Plaza, A; Fernandez, JR; Moreno, J; Gomez-Laso, MA; Arnedo, I; Briso, C

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 2017

[Alphasat Propagation Experiment in Madrid: Results on Excess and Total Attenuation-](#)

Riera, JM; Pimienta-del-Valle, D; Garcia-del-Pino, P; Siles, GA; Benarroch, A

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 1-4; 2017

[Evaluation of Recent Prediction Models Using a Long-Term Database of Rainfall Rate Data-](#)

Garcia-del-Pino, P; Pimienta-del-Valle, D; Benarroch, A; Riera, JM

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 20-24; 2017

[5G Communications in High Speed and Metropolitan Railways-](#)

Gonzalez-Plaza, A; Moreno, J; Val, I; Arriola, A; Rodriguez, PM; Jimenez, F; Briso, C

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 658-660; 2017

[Depolarization Effects on Satellite Links Evaluated Using Five-year Experimental Drop Size Distributions-](#)

Garcia-Rubia, J; Riera, JM; Benarroch, A; Garcia-del-Pino, P

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 35-39; 2017

[Wireless Channel Measurements and Modeling for TCMS Communications in Metro Environments-](#)

Val, I; Arriola, A; Rodriguez, PM; Gonzalez-Plaza, A; Alonso, D; Zhang, L; Briso, C; Moreno, J; Sanchez, CR; Echeverria, E; Goikoetxea, J

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 108-112; 2017

[Low Altitude UAV Propagation Channel Modelling-](#)

Cai, XS; Gonzalez-Plaza, A; Alonso, D; Zhang, L; Rodriguez, CB; Yuste, AP; Yin, XF

2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP), 1443-1447; 2017

[AEKF-SLAM: A New Algorithm for Robotic Underwater Navigation-Q1](#)

Yuan, X; Martinez-Ortega, JF; Fernandez, JAS; Eckert, M

SENSORS, 17 (5):10.3390/s17051174 MAY 2017

[A Probabilistic and Highly Efficient Topology Control Algorithm for Underwater Cooperating AUV Networks-Q1](#)

Li, N; Curuklu, B; Bastos, J; Sucasas, V; Fernandez, JAS; Rodriguez, J

SENSORS, 17 (5):10.3390/s17051022 MAY 2017

[Adaptive Importance Sampling The past, the present, and the future – Q1](#)

Bugallo, MF; Elvira, V; Martino, L; Luengo, D; Miguez, J; Djuric, PM

IEEE SIGNAL PROCESSING MAGAZINE, 34 (4):60-79; 10.1109/MSP.2017.2699226 JUL 2017

[Subir](#)

## Centro de Automática y Robótica (CAR)

### [Current trends in reconfigurable modular robots design-Q3](#)

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gambao, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14  
(3):10.1177/1729881417710457 JUN 12 2017

### [Determining mission evolution through UAV telemetry by using decision trees-](#)

Roldan, JJ; Garcia-Aunon, P; del Cerro, J; Barrientos, A

2016 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC),  
188-193; 2016

### [Reducing thermal energy demand in residential buildings under Spanish climatic conditions: Qualitative control strategies for massive shutter positioning-Q3](#)

Martin, JPS; Garcia-Alegre, MC; Guinea, D

BUILDING SIMULATION, 10 (5):643-661; 10.1007/s12273-017-0360-5 OCT 2017

### [Fleets of robots for environmentally-safe pest control in agriculture-Q1](#)

Gonzalez-de-Santos, P; Ribeiro, A; Fernandez-Quintanilla, C; Lopez-Granados, F;  
Brandstoeffer, M; Tomic, S; Pedrazzi, S; Peruzzi, A; Pajares, G; Kaplanis, G; Perez-Ruiz, M;  
Valero, C; del Cerro, J; Vieri, M; Rabatel, G; Debilde, B

PRECISION AGRICULTURE, 18 (4):574-614; 10.1007/s11119-016-9476-3 AUG 2017

### [Implementation of a Generic Constraint Function to Solve the Direct Kinematics of Parallel Manipulators Using Newton-Raphson Approach-Q4](#)

Puglisi, LJ; Pazmino, RJS; Cena, CEG; Cardenas, PF; Moreno, HA

CONTROL ENGINEERING AND APPLIED INFORMATICS, 19 (2):71-79; JUN 2017

[Consensus-Based Cooperative Control Based on Pollution Sensing and Traffic Information for Urban Traffic Networks-Q1](#)

Artunedo, A; del Toro, RM; Haber, RE

SENSORS, 17 (5):10.3390/s17050953 MAY 2017

[Current trends in reconfigurable modular robots design-Q3](#)

Brunete, A; Ranganath, A; Segovia, S; de Frutos, JP; Hernando, M; Gambao, E

INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, 14  
(3):10.1177/1729881417710457 MAY-JUN 2017

[Subir](#)



**Centro de Biotecnología y Genómica de Plantas (CBGP)**

[Challenges to develop nitrogen-fixing cereals by direct nif-gene transfer \(vol 225, pg 130, 2014\)-Q1](#)

Curatti, L; Rubio, LM

PLANT SCIENCE, 260 70-70; 10.1016/j.plantsci.2017.04.002 JUL 2017

[Real-time monitoring of PtaHMGB activity in poplar transactivation assays-Q1](#)

Ramos-Sanchez, JM; Triozzi, PM; Moreno-Cortes, A; Conde, D; Perales, M; Allona, I

PLANT METHODS, 13 10.1186/s13007-017-0199-x JUN 15 2017

[Formation of Nitrogenase NifDK Tetramers in the Mitochondria of Saccharomyces cerevisiae-Q1](#)

Buren, S; Young, EM; Sweeny, EA; Lopez-Torrejon, G; Veldhuizen, M; Voigt, CA; Rubio, LM

ACS SYNTHETIC BIOLOGY, 6 (6):1043-1055; 10.1021/acssynbio.6b00371 JUN 2017

[A relevant IgE-reactive 28 kDa protein identified from Salsola kali pollen extract by proteomics is a natural degradation product of an integral 47 kDa polygalacturonase-Q2](#)

Mas, S; Oeo-Santos, C; Cuesta-Herranz, J; Diaz-Perales, A; Colas, C; Fernandez, J; Barber, D; Rodriguez, R; Rios, VD; Barderas, R; Villalba, M

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS, 1865 (8):1067-1076; 10.1016/j.bbapap.2017.05.007 AUG 2017

[The Arabidopsis leucine-rich repeat receptor kinase MIK2/LRR-KISS connects cell wall integrity sensing, root growth and response to abiotic and biotic stresses-Q1](#)

Van der Does, D; Boutrot, F; Engelsdorf, T; Rhodes, J; McKenna, JF; Vernhettes, S; Koevoets, I; Tintor, N; Veerabagu, M; Miedes, E; Segonzac, C; Roux, M; Breda, AS; Hardtke, CS; Molina, A; Rep, M; Testerink, C; Mouille, G; Hofte, H; Hamann, T; Zipfel, C

PLOS GENETICS, 13 (6):10.1371/journal.pgen.1006832 JUN 2017

[HOP3 a new regulator of the ER stress response in Arabidopsis with possible implications in plant development and response to biotic and abiotic stresses-](#)

Fernandez-Bautista, N; Fernandez-Calvino, L; Munoz, A; Castellano, MM

PLANT SIGNALING & BEHAVIOR, 12 (5):10.1080/15592324.2017.1317421 2017

[HOP3, a member of the HOP family in Arabidopsis, interacts with BiP and plays a major role in the ER stress response](#) – Q1

Fernandez-Bautista, N; Fernandez-Calvino, L; Munoz, A; Castellano, MM

PLANT CELL AND ENVIRONMENT, 40 (8):1341-1355; 10.1111/pce.12927 AUG 2017

[Plant-made potyvirus-like particles used for log-increasing antibody sensing capacity](#) – Q2

Gonzalez-Gamboa, I; Manrique, P; Sanchez, F; Ponz, F

JOURNAL OF BIOTECHNOLOGY, 254 17-24; 10.1016/j.jbiotec.2017.06.014 JUL 20 2017

[Nitrate-dependent shoot sodium accumulation and osmotic functions of sodium in Arabidopsis under saline conditions](#) – Q1

Alvarez-Aragon, R; Rodriguez-Navarro, A

PLANT JOURNAL, 91 (2):208-219; 10.1111/tpj.13556 JUL 2017

[Subir](#)

## Centro de Domótica Integral (CEDINT)

No hay documentos este mes.

[Subir](#)

## Centro de Electrónica Industrial (CEI)

### [Highly Efficient Linear Power Amplifier for Driving Fast Slew Rate Capacitive Loads-](#)

Vasic, M; Boere, E; Garcia, O; Alou, P; Oliver, JA; Eltze, J; Cobos, JA

2017 THIRTY SECOND ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC), 2150-2156; 2017

### [A Comparative Analysis of Two Approaches in EER Based Envelope Tracking Power-](#)

Lazarevic, VZ; Vasic, M; Garcia, O; Jin, Q; Alou, P; Oliver, JA; Cobos, JA

2017 THIRTY SECOND ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC), 3252-3258; 2017

[Subir](#)

**Centro de Estudios e Investigación para la Gestión de Riesgos Agrarios  
Medioambientales (CEIGRAM)**

No hay documentos este mes.

[Subir](#)

**Centro de Materiales y Dispositivos Avanzados para Tecnologías de la Información y Comunicaciones (CEMDATIC)**

No hay documentos este mes.

[Subir](#)

## Centro Láser

[Fully low temperature interdigitated back-contacted c-Si\(n\) solar cells based on laser-doping from dielectric stacks-Q1](#)

Ortega, P; Lopez, G; Munoz, D; Martin, I; Voz, C; Molpeceres, C; Alcubilla, R

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 169 107-112;  
10.1016/j.solmat.2017.05.017 SEP 2017

[Subir](#)

## Centro de Investigación de Materiales Estructurales (CIME)

No hay documentos este mes.

[Subir](#)



### Tecnologías del Software y Sistemas Multimedia para la Sostenibilidad (CITSEM)

[Real-time HEVC decoding with OpenHEVC and OpenMP-](#)

Pescador, F; Chavarrias, M; Garrido, M; Malagon, J; Sanz, C

2017 IEEE INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS (ICCE), 2017

[Porting a PCA-based hyperspectral image dimensionality reduction algorithm for brain cancer detection on a manycore architecture-Q2](#)

Lazcano, R; Madronal, D; Salvador, R; Desnos, K; Pelcat, M; Guerra, R; Fabelo, H; Ortega, S; Lopez, S; Callico, GM; Juarez, E; Sanz, C

JOURNAL OF SYSTEMS ARCHITECTURE, 77 101-111; 10.1016/j.sysarc.2017.05.001 JUN 2017

[Statistical analysis of the 2012-2013 Torreperogil-Sabiote seismic series, Spain-Q3](#)

Yazdi, P; Hainzl, S; Gaspar-Escribano, JM

JOURNAL OF SEISMOLOGY, 21 (4):705-717; 10.1007/s10950-016-9630-4 JUL 2017

[AEKF-SLAM: A New Algorithm for Robotic Underwater Navigation-Q1](#)

Yuan, X; Martinez-Ortega, JF; Fernandez, JAS; Eckert, M

SENSORS, 17 (5):10.3390/s17051174 MAY 2017

[Subir](#)

### Centro de Investigación en Simulación Computacional (CSC)

[A case study on global sensitivity analysis with dependent inputs: The natural gas transmission model](#)-Q1

Lopez-Benito, A; Bolado-Lavin, R

RELIABILITY ENGINEERING & SYSTEM SAFETY, 165 11-21; 10.1016/j.ress.2017.03.019 SEP 2017

[NeuroTessMesh: A Tool for the Generation and Visualization of Neuron Meshes and Adaptive On-the-Fly Refinement](#)-Q1

Garcia-Cantero, JJ; Brito, JP; Mata, S; Bayona, S; Pastor, L

FRONTIERS IN NEUROINFORMATICS, 11 10.3389/fninf.2017.00038 JUN 22 2017

[Demonstration of NFV Content Delivery using SDN-enabled virtual infrastructures-](#)

Hammad, A; Aguado, A; Kondepu, K; Zong, Y; Marhuenda, J; Yan, SY; Nejabati, R; Simeonidou, D

2017 OPTICAL FIBER COMMUNICATIONS CONFERENCE AND EXHIBITION (OFC), 2017

[Subir](#)

## Centro de tecnología Biomédica CTB

### [Synchronization in network motifs of delay-coupled map-based neurons-Q"](#)

Sausedo-Solorio, JM; Pisarchik, AN

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 226 (9):1911-1920;  
10.1140/epjst/e2017-70060-2 JUN 2017

### [Definition of a Online to Offline \(O2O\) System to Support the Individualized Management and Treatment Strategies for Overall Asthma Control-](#)

Hu, RF; Fico, G; Vera-Munoz, C; Lan, F; Arredondo, MT

2017 IEEE EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL & HEALTH  
INFORMATICS (BHI), 237-240; 2017

### [Parkinson's disease monitoring by biomechanical instability of phonation-Q1](#)

Gomez-Vilda, P; Palacios-Alonso, D; Rodellar-Biarge, V; Alvarez-Marquina, A; Nieto-Lluis, V; Martinez-Olalla, R

NEUROCOMPUTING, 255 3-16; SI 10.1016/j.neucom.2016.06.092 SEP 13 2017

### [Object-based quality evaluation procedure for fused remote sensing imagery-Q1](#)

Rodriguez-Esparragon, D; Marcello, J; Eugenio, F; Garcia-Pedrero, A; Gonzalo-Martin, C

NEUROCOMPUTING, 255 40-51; SI 10.1016/j.neucom.2016.06.091 SEP 13 2017

### [Neuroanatomy and Global Neuroscience-Q1](#)

DeFelipe, J

NEURON, 95 (1):14-18; 10.1016/j.neuron.2017.05.027 JUL 5 2017

[Development towards Compact Nitrocellulose-Based Interferometric Biochips for Dry Eye MMP9 Label-Free In-Situ Diagnosis-Q1](#)

Santamaria, B; Laguna, MF; Lopez-Romero, D; Hernandez, AL; Sanza, FJ; Lavin, A; Casquel, R; Maigler, MV; Espinosa, RL; Holgado, M

SENSORS, 17 (5):10.3390/s17051158 MAY 2017

[Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons – Q1](#)

Anton-Sanchez, L; Larranaga, P; Benavides-Piccione, R; Fernaud-Espinosa, I; DeFelipe, J; Bielza, C

PLOS ONE, 12 (6):10.1371/journal.pone.0180400 JUN 29 2017

[Abnormal Frontoparietal Synaptic Gain Mediating the P300 in Patients with Psychotic Disorder and Their Unaffected Relatives – Q1](#)

Diez, A; Ranlund, S; Pinotsis, D; Calafato, S; Shaikh, M; Hall, MH; Walshe, M; Nevado, A; Friston, KJ; Adams, RA; Bramon, E

HUMAN BRAIN MAPPING, 38 (6):3262-3276; 10.1002/hbm.23588 JUN 2017

[Subir](#)

### Instituto de Fusión Nuclear (DENIM)

[Temperature dependence of underdense nanostructure formation in tungsten under helium irradiation-Q1](#)

Valles, G; Martin-Bragado, I; Nordlund, K; Lasa, A; Bjorkas, C; Safi, E; Perlado, JM; Rivera, A

JOURNAL OF NUCLEAR MATERIALS, 490 108-114; 10.1016/j.jnucmat.2017.04.021 JUL 2017

[Heating in ultraintense laser-induced shock waves-Q3](#)

Eliezer, S; Pinhasi, SV; Val, JMM; Raicher, E; Henis, Z

LASER AND PARTICLE BEAMS, 35 (2):304-312; 10.1017/S0263034617000192 JUN 2017

[Experimental study of the interaction of two laser-driven radiative shocks at the PALS laser-Q4](#)

Singh, RL; Stehle, C; Suzuki-Vidal, F; Kozlova, M; Larour, J; Chaulagain, U; Clayson, T; Rodriguez, R; Gil, JM; Nejdil, J; Krus, M; Dostal, J; Dudzak, R; Barroso, P; Acef, O; Cotelos, M; Velarde, P

HIGH ENERGY DENSITY PHYSICS, 23 20-30; 10.1016/j.hedp.2017.03.001 JUN 2017

[Counter-propagating radiative shock experiments on the Orion laser and the formation of radiative precursors-Q4](#)

Clayson, T; Suzuki-Vidal, F; Lebedev, SV; Swadling, GF; Stehle, C; Burdiak, GC; Foster, JM; Skidmore, J; Graham, P; Gumbrell, E; Patankar, S; Spindloe, C; Chaulagain, U; Kozlova, M; Larour, J; Singh, RL; Rodriguez, R; Gil, JM; Espinosa, G; Velarde, P; Danson, C

HIGH ENERGY DENSITY PHYSICS, 23 60-72; 10.1016/j.hedp.2017.03.002 JUN 2017

[Study of the effects of focused high-energy boron ion implantation in diamond – Q3](#)

Ynsa, MD; Agullo-Rueda, F; Gordillo, N; Maira, A; Moreno-Cerrada, D; Ramos, MA

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 404 207-210; 10.1016/j.nimb.2017.01.052 AUG 1 2017

[Tribo-Mechanical Properties of Hard Hydrogen-Free Diamond-Like Carbon Coatings Prepared by Magnetron Sputtering](#)

Fernandez-Martinez, I; Santiago, JA; Bellido-Gonzalez, V; Monclus, M; Molina, J; Gonzalez-Arrabal, R; Papa, F; Wennberg, A

SOCIETY OF VACUUM COATERS 59TH ANNUAL TECHNICAL CONFERENCE PROCEEDINGS, 2016, 126-131; 10.14332/svc16.proc.0038 2016

[Subir](#)

## Instituto Universitario de Microgravedad "Ignacio da Riva" (IDR)

No hay documentos este mes.

[Subir](#)

## Instituto de Energía Solar (IES)

### [Interpretation of photovoltaic performance of n-ZnO:Al/ZnS:Cr/p-GaP solar cell-Q1](#)

Nematollahi, M; Lopez, E; Ramiro, I; Linares, PG; Antolin, E; Artacho, I; Tablero, C; Karhu, E; Reenaas, TW; Marti, A

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 169 56-60; 10.1016/j.solmat.2017.05.003  
SEP 2017

### [Strain-balanced type-II superlattices for efficient multi-junction solar cells-Q1](#)

Gonzalo, A; Utrilla, AD; Reyes, DF; Braza, V; Llorens, JM; Marron, DF; Alen, B; Ben, T; Gonzalez, D; Guzman, A; Hierro, A; Ulloa, JM

SCIENTIFIC REPORTS, 7 10.1038/s41598-017-04321-4 JUN 21 2017

### [Multijunction solar cells incorporating Group IV SiGeSn alloys-](#)

Cano, P; Lombardero, I; Rey-Stolle, I; Johnson, A; Hoffman, R

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

### [Preliminary analysis of annealing impact on 1 eV GaNAsSb Solar Cells-](#)

Lombardero, I; Ochoa, M; Garcia, I; Hinojosa, M; Cano, P; Rey-Stolle, I; Algora, C; Tan, KH; Loke, WK; Wicaksono, S; Yoon, SF; Johnson, A; Davies, JI; Romero, R; Gabas, M

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017

### [MOVPE issues in the development of ordered GaInP metamorphic buffers for multijunction solar cells-](#)

Hinojosa, M; Garcia, I; Algora, C; Martinez, O

2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE), 2017



[First principle study of V-implantation in highly-doped silicon materials-Q2](#)

Garcia, G; Casanova-Paez, M; Palacios, P; Menendez-Proupin, E; Wahnnon, P

COMPUTATIONAL MATERIALS SCIENCE, 136 207-215; 10.1016/j.commatsci.2017.05.005  
AUG 2017

[Subir](#)

## Instituto Universitario de Investigación del Automóvil (INSIA)

No hay documentos este mes.

[Subir](#)

## Instituto Universitario de Sistemas Optoelectrónicos y Microtecnología (ISOM)

[Strain-balanced type-II superlattices for efficient multi-junction solar cells-Q1](#)

Gonzalo, A; Utrilla, AD; Reyes, DF; Braza, V; Llorens, JM; Marron, DF; Alen, B; Ben, T;  
Gonzalez, D; Guzman, A; Hierro, A; Ulloa, JM

SCIENTIFIC REPORTS, 7 10.1038/s41598-017-04321-4 JUN 21 2017

[Subir](#)

**Centro de Investigación del Transporte (TRANSYT)**

[Dynamic participation processes for policy packaging in transport backcasting studies](#)-Q1

Soria-Lara, JA; Banister, D

TRANSPORT POLICY, 58 19-30; 10.1016/j.tranpol.2017.04.006 AUG 2017

[Assessing accessibility with local coefficients for the LUTI model MARS](#)-Q1

Salas-Olmedo, MH; Wang, Y; Alonso, A

COMPUTERS ENVIRONMENT AND URBAN SYSTEMS, 64 194-203;  
10.1016/j.compenvurbsys.2017.02.004 JUL 2017

[The influence of location, socioeconomics, and behaviour on travel-demand by car in metropolitan university campuses](#)-Q2

Soria-Lara, JA; Marquet, O; Miralles-Guasch, C

TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, 53 149-160;  
10.1016/j.trd.2017.04.008 JUN 2017

[Managing Traffic Flows for Cleaner Cities: The Role of Green Navigation Systems](#)-Q2

Perez-Prada, F; Monzon, A; Valdes, C

ENERGIES, 10 (6):10.3390/en10060791 JUN 2017

[Smart Mobility and Smart Environment in the Spanish cities](#)

Aleta, NB; Alonso, CM; Ruiz, RMA

3RD CONFERENCE ON SUSTAINABLE URBAN MOBILITY (3RD CSUM 2016), 24 163-170;  
10.1016/j.trpro.2017.05.084 2017

[Definition and classification of parameters for daily activity chain optimization](#)

Esztergar-Kiss, D; Munkacsy, A; Velazqueze, G

3RD CONFERENCE ON SUSTAINABLE URBAN MOBILITY (3RD CSUM 2016), 24 9-16;  
10.1016/j.trpro.2017.05.060 2017

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