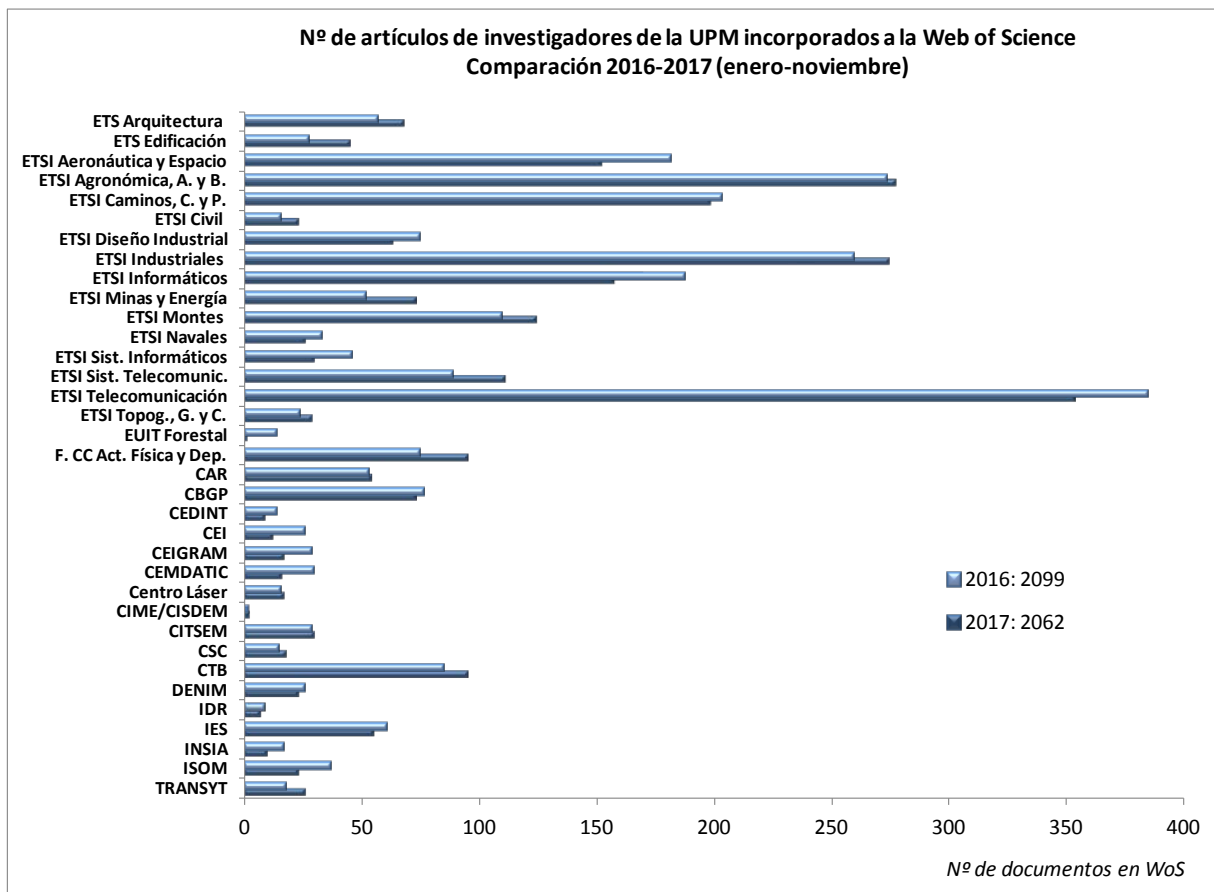


Seguimiento de la producción científica UPM en la Web of Science

La **Web Of Science** (WOS) es una plataforma de la empresa Clarivate Analytics basada en tecnología web y formada por una amplia colección de bases de datos bibliográficas, citas y referencias de publicaciones científicas de cualquier disciplina del conocimiento –científico, tecnológico, humanístico y sociológico– desde 1945.

La base de datos que se utiliza para hacer el seguimiento de la producción científica de la UPM es **Web of Science Core Collection**.

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.



Documentos de investigación de la UPM incorporados a la Web of Science

[ETS Arquitectura](#)
[ETS Edificación](#)
[ETSI Aeronáutica y del Espacio](#)
[ETSI Agronómica, Alimentaria y de Biosistemas](#)
[ETSI Caminos, Canales y Puertos](#)
[ETSI Civil](#)
[ETSI Diseño Industrial](#)
[ETSI Industriales](#)
[ETSI Informáticos](#)
[ETSI Minas y Energía](#)
[ETSI Montes, Forestal y del Medio Natural](#)
[ETSI Montes](#)
[ETSI Navales](#)
[ETSI Sistemas Informáticos](#)
[ETSI Sistemas Telecomunicación](#)
[ETSI Telecomunicación](#)
[ETSI Topografía, Geodesia y Cartografía](#)
[EUIT Forestal](#)
[Facultad CC Actividad Física y Deportiva \(INEF\)](#)

Centros de I+D+i

[CAR](#)
[CBG](#)
[CEDINT](#)
[CEI](#)
[CEIGRAM](#)
[CEMDATIC](#)
[Centro Láser](#)
[CIME](#)
[CITSEM](#)
[CTB](#)
[CSC](#)
[TRANSYT](#)

Institutos de I+D+i

[DENIM](#)
[IDR](#)
[IES](#)
[INSIA](#)
[ISOM](#)

ETS Arquitectura

[Rheological and thermal properties of aerated sprayed mortar-Q1](#)

Melo, JP; Medina, NF; Aguilar, AS; Olivares, FH

CONSTRUCTION AND BUILDING MATERIALS, 154 275-283;
10.1016/j.conbuildmat.2017.07.185 NOV 15 2017

[A method to determine the constitutive parameters of oxide in accelerated corrosion tests of reinforced concrete specimens-Q1](#)

Sanz, B; Planas, J; Sancho, JM

CEMENT AND CONCRETE RESEARCH, 101 68-81; 10.1016/j.cemconres.2017.08.023 NOV 2017

[Invariants for the Lagrangian equivalence problem-Q1](#)

Lopez, MC; Masque, JM; Maria, ER

JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 458 (1):419-435;
10.1016/j.jmaa.2017.08.057 FEB 1 2018

[Identifying stakeholders and key performance indicators for district and building energy performance analysis – Q1](#)

Li, YH; O'Donnell, J; Garcia-Castro, R; Vega-Sanchez, S

ENERGY AND BUILDINGS, 155 1-15; 10.1016/j.enbuild.2017.09.003 NOV 15 2017

[Evolution of construction techniques in the Early Gothic: Comparative study of the stereotomy of European sexpartite vaults using new measurement systems-Q2](#)

Vidal, RM

JOURNAL OF CULTURAL HERITAGE, 28 99-108; 10.1016/j.cuther.2017.05.005 NOV-DEC 2017

THE INFLUENCE OF GYORGY KEPES ON JUAN NAVARRO BALDEWEG'S EARLY WORK AT MIT'S CENTRE FOR ADVANCED VISUAL STUDIES (1971-1975)-

Cueva, CL

RA-REVISTA DE ARQUITECTURA, (19):67-+; 10.15581/014.19.67-78 2017

[Subir](#)

ETSI Aeronáutica y del Espacio

[Testing solar panels for small-size satellites: the UPMSAT-2 mission](#)-Q2

Roibas-Millan, E; Alonso-Moragon, A; Jimenez-Mateos, AG; Pindado, S

MEASUREMENT SCIENCE AND TECHNOLOGY, 28 (11):10.1088/1361-6501/aa85fc NOV 2017

[Capturing anisotropic constitutive models with WYPiWYG hyperelasticity; and on consistency with the infinitesimal theory at all deformation levels.](#)-Q2

De Rosa, E; Latorre, M; Montans, FJ

INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 96 75-92;
10.1016/j.ijnonlinmec.2017.08.005 NOV 2017

[The CFVib Experiment: Control of Fluids in Microgravity with Vibrations](#)-Q2

Fernandez, J; Sanchez, PS; Tinao, I; Porter, J; Ezquerro, JM

MICROGRAVITY SCIENCE AND TECHNOLOGY, 29 (5):351-364; 10.1007/s12217-017-9556-7 OCT 2017

[Assesment of the transverse galloping stability of a railway overhead located above a railway bridge](#)-Q1

Avila-Sanchez, S; Lopez-Garcia, O; Cuerva, A; Meseguer, J

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, 131 649-662;
10.1016/j.ijmecsci.2017.07.024 OCT 2017

[Highly sensitive strain gauges with carbon nanotubes: From bulk nanocomposites to multifunctional coatings for damage sensing](#)-Q1

Sanchez-Romate, XF; Moriche, R; Jimenez-Suarez, A; Sanchez, M; Prolongo, SG; Guemes, A; Urena, A

APPLIED SURFACE SCIENCE, 424 213-221; SI 10.1016/j.apsusc.2017.03.234 2 DEC 1 2017

[Onsite vibrational characterization of DCMIX2/3 experiments-Q2](#)

Olle, J; Dubert, D; Gavalda, J; Laveron-Simavilla, A; Ruiz, X; Shevtsova, V

ACTA ASTRONAUTICA, 140 409-419; 10.1016/j.actaastro.2017.09.007 NOV 2017

[Dipole-dipole interaction in cavity QED: The weak-coupling, nondegenerate regime-Q1](#)

Donaire, M; Munoz-Castaneda, JM; Nieto, LM

PHYSICAL REVIEW A, 96 (4):10.1103/PhysRevA.96.042714 OCT 24 2017

[Nonequilibrium approach regarding metals from a linearised kappa distribution-Q1](#)

Domenech-Garret, JL

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 10.1088/1742-5468/aa8c1a OCT 2017

[Chemical Reactor Modeling of Oxy-Fuel Combustion Chamber for Semiclosed Combined Cycle-Q1](#)

Timon, VP; Corchero, G; Montanes, JL

ENERGY & FUELS, 31 (10):11348-11361; 10.1021/acs.energyfuels.7b01311 OCT 2017

[Strain-Level Dependent Nonequilibrium Anisotropic Viscoelasticity: Application to the Abdominal Muscle-Q2](#)

Latorre, M; Montans, FJ

JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME, 139 (10):10.1115/1.4037405 OCT 2017

[Structural differences between small and large momentum-defect turbulent boundary layers-Q2](#)

Maciel, Y; Gungor, AG; Simens, M

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, 67 95-110;
10.1016/j.ijheatfluidflow.2017.07.011 OCT 2017

[Statistical characterization of discrete conservative systems: The web map](#) – Q1

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

PHYSICAL REVIEW E, 96 (4):10.1103/PhysRevE.96.042158 OCT 30 2017

[Rotating Arm-Based Experimental Study on Droplet Behavior in the Shoulder Region of an Aircraft Aerodynamic Surface](#) – Q2

Sor, S; Garcia-Magarino, A; Velazquez, A

INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, 10.1155/2017/8390905 2017

[Three-dimensional instability analysis of boundary layers perturbed by streamwise vortices](#)-Q3

Martin, JA; Paredes, P

THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, 31 (5-6):505-517; SI
10.1007/s00162-016-0403-z DEC 2017

[Lattice Boltzmann methods for global linear instability analysis](#)-Q3

Perez, JM; Aguilar, A; Theofilis, V

THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, 31 (5-6):643-664; SI
10.1007/s00162-016-0416-7 DEC 2017

[Linear instability in the wake of an elliptic wing](#)-Q3

He, W; Tendero, JA; Paredes, P; Theofilis, V

THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, 31 (5-6):483-504; SI
10.1007/s00162-016-0400-2 DEC 2017

[Galloping instabilities of Z-shaped shading louvers](#)-Q3

Alonso, G; Perez-Grande, I; Meseguer, J

INDOOR AND BUILT ENVIRONMENT, 26 (9):1198-1213; 10.1177/1420326X14557337
NOV 2017

[Sensitivity Analysis to Control the Far-Wake Unsteadiness Behind Turbines-Q2](#)

Ferrer, E; Browne, OMF; Valero, E

ENERGIES, 10 (10):10.3390/en10101599 OCT 2017

[Vanadium supersaturated silicon system: a theoretical and experimental approach-Q2](#)

Garcia-Hemme, E; Garcia, G; Palacios, P; Montero, D; Garcia-Hernansanz, R; Gonzalez-Diaz, G; Wahnnon, P

JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50 (49):10.1088/1361-6463/aa9360 DEC 13 2017

[CFD and potential flow assessment of the hydrodynamics of a kitefoil-Q1](#)

Ocana-Blanco, D; Castaneda-Sabadell, I; Souto-Iglesias, A

OCEAN ENGINEERING, 146 388-400; 10.1016/j.oceaneng.2017.09.040 DEC 1 2017

[Subir](#)

ETSI Agronómica, Alimentaria y de Biosistemas

[The ability of the Arundo donax crop to compete with weeds in central Spain over two growing cycles-Q1](#)

Curt, MD; Mauri, PV; Sanz, M; Cano-Ruiz, J; del Mont, JP; Aguado, PL; Sanchez, J

INDUSTRIAL CROPS AND PRODUCTS, 108 86-94; 10.1016/j.indcrop.2017.06.015 DEC 1 2017

[Best practices for the management of end-of-life gypsum in a circular economy-Q1](#)

Jimenez-Rivero, A; Garcia-Navarro, J

JOURNAL OF CLEANER PRODUCTION, 167 1335-1344; 10.1016/j.jclepro.2017.05.068 NOV 20 2017

[Medicago truncatula Zinc-Iron Permease6 provides zinc to rhizobia-infected nodule cells-Q1](#)

Abreu, I; Saez, A; Castro-Rodriguez, R; Escudero, V; Rodriguez-Haas, B; Senovilla, M; Larue, C; Grolimund, D; Tejada-Jimenez, M; Imperial, J; Gonzalez-Guerrero, M

PLANT CELL AND ENVIRONMENT, 40 (11):2706-2719; SI 10.1111/pce.13035 NOV 2017

[Overexpression of DEMETER, a DNA demethylase, promotes early apical bud maturation in poplar-Q1](#)

Conde, D; Moreno-Cortes, A; Dervinis, C; Ramos-Sanchez, JM; Kirst, M; Perales, M; Gonzalez-Melendi, P; Allona, I

PLANT CELL AND ENVIRONMENT, 40 (11):2806-2819; SI 10.1111/pce.13056 NOV 2017

[Long-term Effect of Intra-Row Spacing on Growth and Productivity of Super-High Density Hedgerow Olive Orchards \(cv. Arbequina\)-Q1](#)

Gomez-del-Campo, M; Connor, DJ; Trentacoste, ER

FRONTIERS IN PLANT SCIENCE, 8 10.3389/fpls.2017.01790 OCT 18 2017

[A protocol for fractal studies on porosity of porous media: High quality soil porosity images-Q4](#)

Garcia-Gutierrez, C; Martinez, FS; Caniego, J

JOURNAL OF EARTH SCIENCE, 28 (5):888-896; 10.1007/s12583-017-0777-x OCT 2017

[Use of non-Saccharomyces yeasts and oenological tannin in red winemaking: Influence on colour, aroma and sensorial properties of young wines-Q1](#)

Chen, K; Escott, C; Loira, I; del Fresno, JM; Morata, A; Tesfaye, W; Calderon, F; Suarez-Lepe, JA; Han, SY; Benito, S

FOOD MICROBIOLOGY, 69 51-63; 10.1016/j.fm.2017.07.018 FEB 2018

[Cooperative behavior of biased probes in crowded interacting systems-Q1](#)

Vasilyev, OA; Benichou, O; Mejia-Monasterio, C; Weeks, ER; Oshanin, G

SOFT MATTER, 13 (41):7617-7624; 10.1039/c7sm00865a NOV 4 2017

[Shifts in microbial populations in Rusitec fermenters as affected by the type of diet and impact of the method for estimating microbial growth \(N-15 v. microbial DNA\)-Q1](#)

Mateos, I; Ranilla, MJ; Saro, C; Carro, MD

ANIMAL, 11 (11):1939-1948; 10.1017/S1751731117000878 NOV 2017

[FATTY ACID COMPOSITION OF DIFFERENT ADIPOSE TISSUES IN HEAVY PIGS-Q4](#)

Daza, A; Olivares, A; Latorre, MA; Rey, AI; Callejo, A; Bote, CJL

ITALIAN JOURNAL OF FOOD SCIENCE, 29 (4):657-666; 2017

[Doomed to collapse: Why Algerian steppe rangelands are overgrazed and some lessons to help land-use transitions – Q1](#)

Martinez-Valderrama, J; Ibanez, J; Del Barrio, G; Alcalá, FJ; Sanjuan, ME; Ruiz, A; Hirche, A; Puigdefabregas, J

SCIENCE OF THE TOTAL ENVIRONMENT, 613 1489-1497;
10.1016/j.scitotenv.2017.07.058 FEB 1 2018

[Relaxation time of the global order parameter on multiplex networks: The role of interlayer coupling in Kuramoto oscillators](#) – Q1

Allen-Perkins, A; de Assis, TA; Pastor, JM; Andrade, RFS

PHYSICAL REVIEW E, 96 (4):10.1103/PhysRevE.96.042312 OCT 31 2017

[Use of a chlorophyll meter to assess nitrogen nutrition index during the growth cycle in winter wheat](#)-Q1

Ravier, C; Quemada, M; Jeuffroy, MH

FIELD CROPS RESEARCH, 214 73-82; 10.1016/j.fcr.2017.08.023 DEC 2017

[Modeling the response of maize phenology, kernel set, and yield components to heat stress and heat shock with CSM-IXIM](#)-Q1

Lizaso, JI; Ruiz-Ramos, M; Rodriguez, L; Gabaldon-Leal, C; Oliveira, JA; Lorite, IJ; Rodriguez, A; Maddonni, GA; Otegui, ME

FIELD CROPS RESEARCH, 214 239-252; 10.1016/j.fcr.2017.09.019 DEC 2017

[Use of non-Saccharomyces in single-culture, mixed and sequential fermentation to improve red wine quality](#)-Q2

Del Fresno, JM; Morata, A; Loira, I; Banuelos, MA; Escott, C; Benito, S; Chamorro, CG; Suarez-Lepe, JA

EUROPEAN FOOD RESEARCH AND TECHNOLOGY, 243 (12):2175-2185; 10.1007/s00217-017-2920-4 DEC 2017

[Insights into the molecular evolution of peptidase inhibitors in arthropods](#)-Q1

Alonso, J; Martinez, M

PLOS ONE, 12 (11):10.1371/journal.pone.0187643 NOV 6 2017

[Impact of Clinical Parameters in the Intra-host Evolution of HIV-1 Subtype B in Pediatric Patients: A Machine Learning Approach-Q2](#)

Sanchez, PR; Cobos, A; Navaro, M; Ramos, JT; Pagan, I; Holguin, A

GENOME BIOLOGY AND EVOLUTION, 9 (10):2715-2726; 10.1093/gbe/evx193 OCT 2017

[What role will climate change play in EU agricultural markets? An integrated assessment taking into account carbon fertilization effects-Q3](#)

Martinez, P; Blanco, M; Van Doorslaer, B; Ramos, F; Ceglar, A

SPANISH JOURNAL OF AGRICULTURAL RESEARCH, 15 (3):10.5424/sjar/2017153-9899 SEP 2017

[A bio-economic model to improve profitability in a large national beef cattle population-Q3](#)

Lopez-Paredes, J; Jimenez-Montero, JA; Perez-Cabal, MA; Gonzalez-Recio, O; Alenda, R

SPANISH JOURNAL OF AGRICULTURAL RESEARCH, 15 (3):10.5424/sjar/2017153-10901 SEP 2017

[A MULTIDISCIPLINARY STRATEGY FOR CONTINUOUS FORMATIVE SELF-EVALUATION IN ENGLISH USING ON-LINE TOOLS-](#)

Fernandez-Ruiz, V; Aguilera, FR; Morales, P; Sanchez-Mata, MC; Camara, M; Cordoba-Diaz, D; Cordoba-Diaz, M; Girbes, T; Jimenez, P; Chaya, C; Sanz, BU; San Roque, IM

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1796-1803; 2017

[Does the presence of caffeine in the marine environment represent an environmental risk? A regional and global study-Q1](#)

Dafouz, R; Caceres, N; Rodriguez-Gil, JL; Mastroianni, N; de Alda, ML; Barcelo, D; de Miguel, AG; Valcarcel, Y

SCIENCE OF THE TOTAL ENVIRONMENT, 615 632-642; 10.1016/j.scitotenv.2017.09.155 FEB 15 2018

[The potential of agricultural banana waste for bioethanol production-Q1](#)

Guerrero, AB; Ballesteros, I; Ballesteros, M

FUEL, 213 176-185; 10.1016/j.fuel.2017.10.105 FEB 1 2018

[Randomization to treatment failure in experimental auctions: The value of data from training rounds-Q3](#)

Briz, T; Drichoutis, AC; Nayga, RM

JOURNAL OF BEHAVIORAL AND EXPERIMENTAL ECONOMICS, 71 56-66;
10.1016/j.socec.2017.09.004 DEC 2017

[Subir](#)

ETSI Caminos, Canales y Puertos

[A method to determine the constitutive parameters of oxide in accelerated corrosion tests of reinforced concrete specimens-Q1](#)

Sanz, B; Planas, J; Sancho, JM

CEMENT AND CONCRETE RESEARCH, 101 68-81; 10.1016/j.cemconres.2017.08.023 NOV 2017

[Energy-entropy-momentum integration schemes for general discrete non-smooth dissipative problems in thermomechanics-Q1](#)

Portillo, D; Orden, JCG; Romero, I

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 112 (7):776-802; 10.1002/nme.5532 NOV 16 2017

[The role of the microvascular network structure on diffusion and consumption of anticancer drugs-Q1](#)

Mascheroni, P; Penta, R

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, 33 (10):10.1002/cnm.2857 OCT 2017

[Economic Impacts of Introducing Tolls for Heavy-Goods Vehicles A Comparison of Spain and Germany-Q4](#)

Doll, C; Mejia-Dorantes, L; Vassallo, JM; Wachter, K

TRANSPORTATION RESEARCH RECORD, (2609):36-45; 10.3141/2609-05 2017

[Measuring Drivers' Attitudes Toward Use of Electronic Toll Collection Systems in Spain-Q4](#)

Heras-Molina, J; Gomez, J; Vassallo, JM

TRANSPORTATION RESEARCH RECORD, (2670):1-8; 10.3141/2670-01 2017

[Seeking Factors to Increase the Public's Acceptability of Road-Pricing Schemes Case Study of Spain-Q4](#)

Bueno, PC; Gomez, J; Vassallo, JM

TRANSPORTATION RESEARCH RECORD, (2606):9-17; 10.3141/2606-02 2017

[Making 'Retail Mobility Environments' visible for collaborative transport planning – Q2](#)

Arranz-Lopez, A; Soria-Lara, JA; Lopez-Escolano, C; Campos, AP

JOURNAL OF MAPS, 13 (1):90-100; 10.1080/17445647.2017.1383945 OCT 6 2017

[DRIHM\(2US\): An e-Science Environment for Hydrometeorological Research on High-Impact Weather Events – Q1](#)

Parodi, A; Kranzlmuller, D; Clematis, A; Danovaro, E; Galizia, A; Garrote, L; Llasat, MC; Caumont, O; Richard, E; Harpham, Q; Siccardi, F; Ferraris, L; Rebora, N; Delogu, F; Fiori, E; Molini, L; Foufoula-Georgiou, E; D'Agostino, D

BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 98 (10):2149-2166;
10.1175/BAMS-D-16-0279.1 OCT 2017

[High throughput analysis of solute effects on the mechanical behavior and slip activity of beta titanium alloys-Q1](#)

Wang, CY; Yang, LW; Cui, YW; Perez-Prado, MT

MATERIALS & DESIGN, 137 371-383; 10.1016/j.matdes.2017.10.029 JAN 5 2018

[Geometry and Proportions of the Traditional Trulli of Alberobello-Q2](#)

Todisco, L; Sanitate, G; Lacorte, G

NEXUS NETWORK JOURNAL, 19 (3):701-721; 10.1007/s00004-016-0326-4 DEC 2017

[Connection between electrical conductivity and diffusion coefficient of a conductive porous material filled with electrolyte-Q1](#)

Sevostianov, I; Trofimov, A; Merodio, J; Penta, R; Rodriguez-Ramos, R

INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, 121 108-117;
10.1016/j.ijengsci.2017.08.013 DEC 2017

[Assessing hydropower operational profitability considering energy and reserve markets-Q2](#)

Helseth, A; Fodstad, M; Askeland, M; Mo, B; Nilsen, OB; Perez-Diaz, JI; Chazarra, M;
Guisandez, I

IET RENEWABLE POWER GENERATION, 11 (13):1640-1647; 10.1049/iet-rpg.2017.0407
NOV 15 2017

[Homogenized modeling for vascularized poroelastic materials-Q2](#)

Penta, R; Merodio, J

MECCANICA, 52 (14):3321-3343; SI 10.1007/s11012-017-0625-1 NOV 2017

[Use of ground coal bottom ash as cement constituent in concretes exposed to chloride environments-Q1](#)

Argiz, C; Moragues, A; Menendez, E

JOURNAL OF CLEANER PRODUCTION, 170 25-33; 10.1016/j.jclepro.2017.09.117 JAN 1
2018

[Modelling of concrete cover cracking due to non-uniform corrosion of reinforcing steel-Q1](#)

Guzman, S; Galvez, JC

CONSTRUCTION AND BUILDING MATERIALS, 155 1063-1071;
10.1016/j.conbuildmat.2017.08.082 NOV 30 2017

[Fluid-driven fracture propagation in heterogeneous media: Probability distributions of fracture trajectories-Q1](#)

Santillan, D; Mosquera, JC; Cueto-Felgueroso, L

PHYSICAL REVIEW E, 96 (5):10.1103/PhysRevE.96.053002 NOV 17 2017

[Subir](#)

ETSI Industriales

[Do Stars Shine? Comparing the Performance Persistence of Star Sell-Side Analysts Listed by Institutional Investor, the Wall Street Journal, and StarMine-Q2](#)

Kucheev, YO; Ruiz, F; Sorensson, T

JOURNAL OF FINANCIAL SERVICES RESEARCH, 52 (3):277-305; 10.1007/s10693-016-0258-x DEC 2017

[Lotus-on-chip: computer-aided design and 3D direct laser writing of bioinspired surfaces for controlling the wettability of materials and devices-Q1](#)

Lantada, AD; Hengsbach, S; Bade, K

BIOINSPIRATION & BIOMIMETICS, 12 (6):10.1088/1748-3190/aa82e0 DEC 2017

[Obstacle Detection System for Small UAVs using ADS-B and Thermal Imaging-Q3](#)

Carrio, A; Lin, YC; Saripalli, S; Campoy, P

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 88 (2-4):583-595; SI 10.1007/s10846-017-0529-2 1 DEC 2017

[A Multi-Layered Component-Based Approach for the Development of Aerial Robotic Systems: The Aerostack Framework-Q3](#)

Sanchez-Lopez, JL; Molina, M; Bavle, H; Sampedro, C; Fernandez, RAS; Campoy, P

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 88 (2-4):683-709; SI 10.1007/s10846-017-0551-4 1 DEC 2017

[Numerical study of the aerodynamics of a full scale train under turbulent wind conditions, including surface roughness effects-Q2](#)

Garcia, J; Munoz-Paniagua, J; Crespo, A

JOURNAL OF FLUIDS AND STRUCTURES, 74 1-18; 10.1016/j.jfluidstructs.2017.07.007 OCT 2017

[Energy-entropy-momentum integration schemes for general discrete non-smooth dissipative problems in thermomechanics-Q1](#)

Portillo, D; Orden, JCG; Romero, I

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 112 (7):776-802; 10.1002/nme.5532 NOV 16 2017

[Power macromodeling technique and its application to SoC-based design-Q4](#)

Durrani, YA; Riesgo, T

INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, 30 (6):10.1002/jnm.2207 NOV-DEC 2017

[Near-Electric-Field Tuned Plasmonic Au@SiO₂ and Ag@SiO₂ Nanoparticles for Efficient Utilization in Luminescence Enhancement and Surface-Enhanced Spectroscopy-Q1](#)

Montano-Priede, JL; Pena-Rodriguez, O; Pal, U

JOURNAL OF PHYSICAL CHEMISTRY C, 121 (41):23062-23071; 10.1021/acs.jpcc.7b07395 OCT 19 2017

[Application of Support Vector Machines \(SVM\) for clinical diagnosis of Parkinson's Disease and Essential Tremor-Q4](#)

Gonzalez, R; Barrientos, A; Toapanta, M; del Cerro, J

REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL, 14 (4):394-405; 10.1016/j.riai.2017.07.005 OCT-DEC 2017

[Acoustic emission energy b-value for local damage evaluation in reinforced concrete structures subjected to seismic loadings – Q4](#)

Sagasta, F; Zitto, ME; Piotrkowski, R; Benavent-Climent, A; Suarez, E; Gallego, A

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, 102 262-277;
10.1016/j.ymssp.2017.09.022 MAR 1 2018

[Thermodynamic Optimization of Supercritical CO2 Brayton Power Cycles Coupled to Line-Focusing Solar Fields](#) – Q3

Enriquez, LC; Munoz-Anton, J; Penalosa, JMMV

JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, 139
(6):10.1115/1.4037381 DEC 2017

[Unprecedented dependence of stiffness parameters and crystallinity on comonomer content in rapidly cooled propylene-co-1-pentene copolymers](#) – Q1

Garcia-Penas, A; Gomez-Elvira, JM; Lorenzo, V; Perez, E; Cerrada, ML

POLYMER, 130 17-25; 10.1016/j.polymer.2017.10.006 NOV 9 2017

[Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances](#) – Q1

Gonzalez-Rubio, G; Diaz-Nunez, P; Rivera, A; Prada, A; Tardajos, G; Gonzalez-Izquierdo, J; Banares, L; Llombart, P; Macdowell, LG; Palafox, MA; Liz-Marzan, LM; Pena-Rodriguez, O; Guerrero-Martinez, A

SCIENCE, 358 (6363):640-644; 10.1126/science.aan8478 NOV 3 2017

[Toward compact and ultra-intense laser-based soft x-ray lasers](#)-Q2

Sebban, S; Depresseux, A; Oliva, E; Gautier, J; Tissandier, F; Nejdil, J; Kozlova, M; Maynard, G; Goddet, JP; Tafzi, A; Lifschitz, A; Kim, HT; Jacquemot, S; Rousseau, P; Zeitoun, P; Rouse, A

PLASMA PHYSICS AND CONTROLLED FUSION, 60 (1):10.1088/1361-6587/aa8aaf JAN 2018

[A Simple Multi-Objective Optimization Based on the Cross-Entropy Method](#)-Q1

Haber, RE; Beruvides, G; Quiza, R; Hernandez, A

IEEE ACCESS, 5 22272-22281; 10.1109/ACCESS.2017.2764047 2017

[Algorithm development for night charging electric vehicles optimization in big data applications-](#)

Alvaro-Hermana, R; Fraile-Ardanuy, J; Merino, J

8TH INTERNATIONAL CONFERENCE ON AMBIENT SYSTEMS, NETWORKS AND TECHNOLOGIES (ANT-2017) AND THE 7TH INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY INFORMATION TECHNOLOGY (SEIT 2017), 109 793-800; 10.1016/j.procs.2017.05.329 2017

[How should firms reconcile their open innovation capabilities for incorporating external actors in innovations aimed at sustainable development?-Q1](#)

Behnam, S; Cagliano, R; Grijalvo, M

JOURNAL OF CLEANER PRODUCTION, 170 950-965; 10.1016/j.jclepro.2017.09.168 JAN 1 2018

[Random Quantum Correlations are Generically Non-classical-Q2](#)

Gonzalez-Guillen, CE; Lancien, C; Palazuelos, C; Villanueva, I

ANNALES HENRI POINCARÉ, 18 (12):3793-3813; 10.1007/s00023-017-0615-9 DEC 2017

[The design and analysis of a novel structural piezoresistive pressure sensor for low pressure measurement-Q3](#)

Li, C; Cordovilla, F; Ocana, JL

MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, 23 (12):5677-5687; 10.1007/s00542-017-3427-4 DEC 2017

[Design and Performance Assessment of Innovative Eco-Efficient Support Structures for Additive Manufacturing by Photopolymerization-Q1](#)

Lantada, AD; Romero, AD; Isasi, AS; Bellido, DG

JOURNAL OF INDUSTRIAL ECOLOGY, 21 S179-S190; 1 SI 10.1111/jiec.12660 NOV 2017

[Thermodynamic analysis of a dual power-hydrogen production system based on chemical-looping combustion-Q1](#)

Alvaro, AJ; Montesino, AU; Orgaz, SS; Fernandez, CG

ENERGY, 137 1075-1085; 10.1016/j.energy.2017.03.132 OCT 15 2017

[Systematic Development Strategy for Smart Devices Based on Shape-Memory Polymers-Q1](#)

Lantada, AD

POLYMERS, 9 (10):10.3390/polym9100496 OCT 2017

[Subir](#)

ETSI Minas y Energía

[Chromite typology and composition characterized through multispectral specular reflectance-Q1](#)

Lopez-Benito, A; Gervilla, F; Catalina, JC; Castroviejo, R

ORE GEOLOGY REVIEWS, 89 132-142; 10.1016/j.oregeorev.2017.06.010 OCT 2017

[Multi-criteria algorithm-based methodology used to select suitable domes for compressed air energy storage-Q1](#)

Llamas, B; Castaneda, MD; Lain, C; Pous, J

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 41 (14):2108-2120; 10.1002/er.3771 NOV 2017

[Gaussian beams diffracting in time-Q1](#)

Porras, MA

OPTICS LETTERS, 42 (22):4679-4682; 10.1364/OL.42.004679 NOV 15 2017

[The third International Geological Congress, Berlin \(1885\)-Q3](#)

Puche-Riart, O; Ortiz-Menendez, JE; Mazadiego-Martinez, LF

EPIISODES, 40 (3):249-257; SEP 2017

[Subir](#)

ETSI Montes, Forestal y del Medio Natural

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

ETSI Montes

[A formula to construct all involutions in Riordan matrix groups-Q1](#)

Luzon, A; Moron, MA; Prieto-Martinez, LF

LINEAR ALGEBRA AND ITS APPLICATIONS, 533 397-417; 10.1016/j.laa.2017.07.033 NOV 15 2017

[Occurrence of continuous Holocene pinewoods \(*Pinus sylvestris* L.\) in the Eastern Central System \(Spain\) inferred from macroremains. New data from the Sandria site-1](#)

Postigo-Mijarra, JM; Genova, M; Gomez-Manzaneque, F; Martinez-Garcia, F; Morla, C; Vegas, J; Perucha, MA

REVIEW OF PALAEOBOTANY AND PALYNOLOGY, 246 70-84;
10.1016/j.revpalbo.2017.06.009 NOV 2017

[Plant water potential improves prediction of empirical stomatal models-Q1](#)

Anderegg, WRL; Wolf, A; Arango-Velez, A; Choat, B; Chmura, DJ; Jansen, S; Kolb, T; Li, S; Meinzer, F; Pita, P; de Dios, VR; Sperry, JS; Wolfe, BT; Pacala, S

PLOS ONE, 12 (10):10.1371/journal.pone.0185481 OCT 12 2017

[Decline in holm oak coppices \(*Quercus ilex* L. subsp *ballota* \(Desf.\) Samp.\): biometric and physiological interpretations-Q3](#)

Serrada, R; Gomez-Sanz, V; Aroca, MJ; Otero, J; Bravo-Fernandez, JA; Roig, S

FOREST SYSTEMS, 26 (2):10.5424/fs/2017262-10583 2017

[The multi-objective Spanish National Forest Inventory-Q3](#)

Alberdi, I; Vallejo, R; Alvarez-Gonzalez, JG; Condes, S; Gonzalez-Ferreiro, E; Guerrero, S; Hernandez, L; Martinez-Jauregui, M; Montes, F; Oliveira, N; Pasalodos-Tato, M; Robla, E; Ruiz-Gonzalez, AD; Sanchez-Gonzalez, M; Sandoval, V; Miguel, AS; Sixto, H; Canellas, I

FOREST SYSTEMS, 26 (2):10.5424/fs/2017262-10577 2017

[Fitting diameter distribution models to data from forest inventories with concentric plot design](#)-Q3

Nanos, N; de Luna, SS

FOREST SYSTEMS, 26 (2):10.5424/fs/2017262-10486 2017

[Multifunctional natural forest silviculture economics revised: Challenges in meeting landowners' and society's wants: A review](#)-Q3

Campos, P; Caparros, A; Cerda, E; Diaz-Balteiro, L; Herruzo, AC; Huntsinger, L; Martin-Barroso, D; Martinez-Jauregui, M; Ovando, P; Oviedo, JL; Pasalodos-Tato, M; Romero, C; Solino, M; Standiford, RB

FOREST SYSTEMS, 26 (2):10.5424/fs/2017262-10505 2017

[Many missing rings in old Canary pines can be related with age, fires and traditional uses](#)-Q3

Genova, M; Santana, C; Martinez, B

FOREST SYSTEMS, 26 (2):10.5424/fs/2017262-10253 2017

[Holocene treeline history of a high-mountain landscape inferred from soil charcoal: The case of Sierra de Gredos \(Iberian Central System, SW Europe\)](#)-Q2

Alvarez, SG; Bal, MC; Allee, P; Garcia-Amorena, I; Rubiales, JM

QUATERNARY INTERNATIONAL, 457 85-98; 10.1016/j.quaint.2017.04.019 NOV 1 2017

[Physico-chemical properties of plant cuticles and their functional and ecological significance](#)-Q1

Fernandez, V; Bahamonde, HA; Peguero-Pina, JJ; Gil-Pelegrin, E; Sancho-Knapik, D; Gil, L; Goldbach, HE; Eichert, T

JOURNAL OF EXPERIMENTAL BOTANY, 68 (19):5293-5306; SI 10.1093/jxb/erx302 AUG 30 2017

[Subir](#)

EUIT Forestal

No hay documentos este mes.

[Subir](#)

ETSI Navales

[A protocol for fractal studies on porosity of porous media: High quality soil porosity images-Q4](#)

Garcia-Gutierrez, C; Martinez, FS; Caniego, J

JOURNAL OF EARTH SCIENCE, 28 (5):888-896; 10.1007/s12583-017-0777-x OCT 2017

[CFD and potential flow assessment of the hydrodynamics of a kitefoil-Q1](#)

Ocana-Blanco, D; Castaneda-Sabadell, I; Souto-Iglesias, A

OCEAN ENGINEERING, 146 388-400; 10.1016/j.oceaneng.2017.09.040 DEC 1 2017

[Subir](#)

ETSI Telecomunicación

[Power transmission and workload balancing policies in eHealth mobile cloud computing scenarios-Q1](#)

Pagan, J; Zapater, M; Ayala, JL

FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF
ESCIENCE, 78 587-601; 10.1016/j.future.2017.02.015 2 JAN 2018

[Synthesis of circularly coherent sources-Q1](#)

Santarsiero, M; Martinez-Herrero, R; Maluenda, D; de Sande, JCG; Piquero, G; Gori, F

OPTICS LETTERS, 42 (20):4115-4118; 10.1364/OL.42.004115 OCT 15 2017

[TRIP \(Travel Remote Infomation Platform\) - a platform for monitoring traveler's health-Q1](#)

Rodriguez-Valero, N; Carbayo, MJL; Sanchez, DC; Vladimorov, A; Vera, I; Roldan, M; De
Alba, T; Sanz, S; Oroz, ML; Munoz, J

TROPICAL MEDICINE & INTERNATIONAL HEALTH, 22 202-202; 1 SI OCT 2017

[Adaptive Auxiliary Particle Filter for Track-Before-Detect With Multiple Targets-Q1](#)

Ubeda-Medina, L; Garcia-Fernandez, AF; Grajal, J

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, 53 (5):2317-2330;
10.1109/TAES.2017.2691958 OCT 2017

[Partially Coherent Linearly Polarized Sources with Inhomogeneous Azimuth-](#)

de Sande, JCG; Martinez-Herrero, R; Piquero, G; Maluenda, D

PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON PHOTONICS, OPTICS AND
LASER TECHNOLOGY (PHOTOPTICS), 202-207; 10.5220/0006123102020207 2017

[Mueller Matrix Polarimetry by Means of Azimuthally Polarized Beams and Adapted Commercial Polarimeter-](#)

de Sande, JCG; Piquero, G; Santarsiero, M

PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON PHOTONICS, OPTICS AND LASER TECHNOLOGY (PHOTOPTICS), 39-43; 10.5220/0006091000390043 2017

[Evaluation methodology for eye-trackers as alternative access device for people with cerebral palsy-Q4](#)

Clemotte, A; Velasco, MA; Raya, R; Ceres, R; de Cordoba, R; Rocon, E

REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL, 14 (4):384-393; 10.1016/j.riai.2017.07.004 OCT-DEC 2017

[Impact of 2D-Graphene on SiN Passivated AlGaIn/GaN MIS-HEMTs Under Mist Exposure-Q1](#)

Romero, MF; Bosca, A; Pedros, J; Martinez, J; Fandan, R; Palacios, T; Calle, F

IEEE ELECTRON DEVICE LETTERS, 38 (10):1441-1444; 10.1109/LED.2017.2747500 OCT 2017

[Analysis of Waveguide Devices Involving Lateral and Transverse Perfect Magnetic Wall Boundary Conditions by the Mode-Matching Method-Q3](#)

Polo-Lopez, L; Ruiz-Cruz, JA; Montejo-Garai, JR; Rebollar, JM

RADIO SCIENCE, 52 (9):1223-1234; 10.1002/2017RS006327 SEP 2017

[Comparison of Ti/Pd/Ag, Pd/Ti/Pd/Ag and Pd/Ge/Ti/Pd/Ag contacts to n-type GaAs for electronic devices handling high current densities-Q2](#)

Huo, P; Galiana, B; Rey-Stolle, I

SEMICONDUCTOR SCIENCE AND TECHNOLOGY, 32 (4):10.1088/1361-6641/32/4/045006 APR 2017

[Modeling of a concentrating photovoltaic module-](#)

Benrhouma, I; Victoria, M; Anton Hernandez, I; Chaouachi, B

2017 INTERNATIONAL CONFERENCE ON GREEN ENERGY & CONVERSION SYSTEMS (GECS), 2017

[An Ambient Assisted Living Technology Platform for Informal Carers of the Elderly-](#)

Lotfi, A; Langensiepen, C; Moreno, PA; Gomez, EJ; Chernbumroong, S

EHEALTH 360 DEGREE, 181 438-442; 10.1007/978-3-319-49655-9_53 2017

[Process Improvement in an Oncology Day Hospital: Design of a Traceability and Indicator System-](#)

Canada, E; Casado, E; Bernardos, AM

PROCEEDINGS OF THE 10TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, VOL 5: HEALTHINF, 601-608; 10.5220/0006278506010608 2017

[A Si-Compatible Fabrication Process for Scaled Self-Aligned InGaAs FinFETs – Q3](#)

Vardi, A; Lin, J; Lu, W; Zhao, X; Fernando-Saavedra, A; del Alamo, JA

IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING, 30 (4):468-474; 10.1109/TSM.2017.2753141 NOV 2017

[Novel Reception and Transmission Calibration Technique for Active Antenna Array Based on Phase Center Estimation – Q1](#)

Salas-Natera, MA; Rodriguez-Osorio, RM; Ariet, LD; Sierra-Perez, M

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 65 (10):5511-5522; 10.1109/TAP.2017.2738067 OCT 2017

[QoE-Based Analysis of DASH Streaming Parameters Over Mobile Broadcast Networks – Q1](#)

Lentisco, CM; Bellido, L; Cuellar, JS; Pastor, E; Arciniegas, JL

IEEE ACCESS, 5 20684-20694; 10.1109/ACCESS.2017.2755438 2017

[Silane control of the electron injection and oxygen sensitivity of dye-silane-GaN hybrid materials for luminescent chemical sensing-Q1](#)

Ielasi, G; Hui, P; Palacio, C; Munoz, E; Orellana, G

SENSORS AND ACTUATORS B-CHEMICAL, 254 926-934; 10.1016/j.snb.2017.07.203 JAN 2018

[Democratizing science with the aid of parametric design and additive manufacturing: Design and fabrication of a versatile and low-cost optical instrument for scattering measurement-Q1](#)

Nadal-Serrano, JM; Nadal-Serrano, A; Lopez-Vallejo, M

PLOS ONE, 12 (11):10.1371/journal.pone.0187219 NOV 7 2017

[Groove Gap Waveguide in 3-D Printed Technology for Low Loss, Weight, and Cost Distribution Networks-Q2](#)

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

IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 65 (11):4138-4147; 10.1109/TMTT.2017.2709305 1 NOV 2017

[An Object-Oriented Model for Object Orchestration in Smart Environments-](#)

Bergesio, L; Bernardos, AM; Casar, JR

8TH INTERNATIONAL CONFERENCE ON AMBIENT SYSTEMS, NETWORKS AND TECHNOLOGIES (ANT-2017) AND THE 7TH INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY INFORMATION TECHNOLOGY (SEIT 2017), 109 440-447; 10.1016/j.procs.2017.05.415 2017

[Algorithm development for night charging electric vehicles optimization in big data applications-](#)

Alvaro-Hermana, R; Fraile-Ardanuy, J; Merino, J

8TH INTERNATIONAL CONFERENCE ON AMBIENT SYSTEMS, NETWORKS AND TECHNOLOGIES (ANT-2017) AND THE 7TH INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY INFORMATION TECHNOLOGY (SEIT 2017), 109 793-800; 10.1016/j.procs.2017.05.329 2017

[Refractive indexes and extinction coefficients of n- and p-type doped GaInP, AlInP and AlGaInP for multijunction solar cells-Q1](#)

Ochoa-Martinez, E; Barrutia, L; Ochoa, M; Barrigon, E; Garcia, I; Rey-Stolle, I; Algora, C; Basa, P; Kronome, G; Gabas, M

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 174 388-396; 10.1016/j.solmat.2017.09.028 JAN 2018

[Vanadium supersaturated silicon system: a theoretical and experimental approach-Q2](#)

Garcia-Hemme, E; Garcia, G; Palacios, P; Montero, D; Garcia-Hernansanz, R; Gonzalez-Diaz, G; Wahnnon, P

JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50 (49):10.1088/1361-6463/aa9360 DEC 13 2017

[Differences between blind people's cognitive maps after proximity and distant exploration of virtual environments-Q1](#)

Cobo, A; Guerron, NE; Martin, C; del Pozo, F; Serrano, JJ

COMPUTERS IN HUMAN BEHAVIOR, 77 294-308; 10.1016/j.chb.2017.09.007 DEC 2017

[Tiny Hand Gesture Recognition without Localization via a Deep Convolutional Network-Q2](#)

Bao, PJ; Maqueda, AI; Del-Blanco, CR; Garcia, N

IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, 63 (3):251-257; 10.1109/TCE.2017.014971 AUG 2017

[Subir](#)

ETSI Topografía, Geodesia y Cartografía

[Visualisation of Cadastral Lineage-Q4](#)

Iturrioz, T; Moreno, MP; Cuevas, SM; Tamayo, X

IEEE LATIN AMERICA TRANSACTIONS, 15 (11):2244-2250; NOV 2017

[A Case Study of the Influence of Urban Morphology on Aircraft Noise-Q4](#)

Flores, R; Gagliardi, P; Asensio, C; Licitra, G

ACOUSTICS AUSTRALIA, 45 (2):389-401; 10.1007/s40857-017-0102-y AUG 2017

[Subir](#)

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

[Neurodynamic mobilization and foam rolling improved delayed-onset muscle soreness in a healthy adult population: a randomized controlled clinical trial](#)-Q2

Romero-Moraleda, B; La Touche, R; Lerma-Lara, S; Ferrer-Pena, R; Paredes, V; Peinado, AB; Munoz-Garcia, D

PEERJ, 5 10.7717/peerj.3908 OCT 13 2017

[Trace element contents in toenails are related to regular physical activity in older adults](#)-Q1

Sureda, A; Bibiloni, MD; Julibert, A; Aparicio-Ugarriza, R; Ble, GPL; Pons, A; Gonzalez-Gross, M; Tur, JA

PLOS ONE, 12 (10):10.1371/journal.pone.0185318 OCT 6 2017

[Analysis of a training mesocycle and positional quantification in elite European soccer players](#)-Q4

Owen, AL; Lago-Penas, C; Gomez, MA; Mendes, B; Dellal, A

INTERNATIONAL JOURNAL OF SPORTS SCIENCE & COACHING, 12 (5):665-676; 10.1177/1747954117727851 OCT 2017

[Epigenetic effects of the pregnancy Mediterranean diet adherence on the offspring metabolic syndrome markers](#)-Q2

Mingot, DL; Gesteiro, E; Bastida, S; Sanchez-Muniz, FJ

JOURNAL OF PHYSIOLOGY AND BIOCHEMISTRY, 73 (4):495-510; 10.1007/s13105-017-0592-y NOV 2017

[Exercise and pregnancy in recreational and elite athletes: 2016/17 evidence summary from the IOC Expert Group Meeting, Lausanne. Part 3-exercise in the postpartum period](#)-Q1

Bo, K; Artal, R; Barakat, R; Brown, WJ; Davies, GAL; Dooley, M; Evenson, KR; Haakstad, LAH; Kayser, B; Kinnunen, TI; Larsen, K; Mottola, MF; Nygaard, I; van Poppel, M; Stuge, B; Khan, KM

BRITISH JOURNAL OF SPORTS MEDICINE, 51 (21):1516-1525; 10.1136/bjsports-2017-097964 NOV 2017

[Global differences in home advantage by country, sport and sex](#) – Q4

Pollard, R; Prieto, J; Gomez, MA

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):586-599;
10.1080/24748668.2017.1372164 2017

[Analysis of mismatch after ball screens in Spanish professional basketball](#) – Q4

Calvo, JL; Garcia, AM; Navandar, A

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):555-562;
10.1080/24748668.2017.1367999 2017

[Players' technical and physical performance profiles and game-to-game variation in NBA](#)
– Q4

Zhang, SL; Lorenzo, A; Gomez, MA; Liu, HY; Goncalves, B; Sampaio, J

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):466-483;
10.1080/24748668.2017.1352432 2017

[Effect of functional classification on the swimming race segments during the 2012 London Paralympic Games](#) – Q4

Perez-Tejero, J; Veiga, S; Almena, A; Navandar, A; Navarro, E

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):406-417;
10.1080/24748668.2017.1348059 2017

[Influence of match quality on men's volleyball performance at different competition levels](#) – Q4

Garcia-de-Alcaraz, A; Marcelino, R

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):394-405;
10.1080/24748668.2017.1348058 2017

[Thermographic imaging in sports and exercise medicine: A Delphi study and consensus statement on the measurement of human skin temperature-Q1](#)

Moreira, DG; Costello, JT; Brito, CJ; Adamczyk, JG; Ammer, K; Bach, AJE; Costa, CMA; Eglin, C; Fernandes, AA; Fernandez-Cuevas, I; Ferreira, JJA; Formenti, D; Fournet, D; Havenith, G; Howell, K; Jung, A; Kenny, GP; Kolosovas-Machuca, ES; Maley, MJ; Merla, A; Pascoe, DD; Quesada, JIP; Schwartz, RG; Seixas, ARD; Selfe, J; Vainer, BG; Sillero-Quintana, M

JOURNAL OF THERMAL BIOLOGY, 69 155-162; 10.1016/j.jtherbio.2017.07.006 OCT 2017

[Inflammation and insulin resistance according to body composition in European adolescents: the HELENA study-Q4](#)

Gonzalez-Gil, EM; Gracia-Marco, L; Santabarbara, J; Molnar, D; Amaro-Gahete, FJ; Gottrand, F; Arouca, A; Kafatos, A; Widhalm, K; Manios, Y; Siani, A; Gonzalez-Gross, M; Gomez-Martinez, S; Diaz, LE; Leclercq, C; Dallongeville, J; Marcos, A; Aznar, LAM

NUTRICION HOSPITALARIA, 34 (5):37-47; 10.20960/nh.747 SEP-OCT 2017

[Assessing Physical FITness In PREschool Children: Fitness Reference Standards From The PREFIT Project-Q1](#)

Cadenas-Sanchez, C; Intemann, T; Artero, EG; Sanchez-Lopez, M; Moliner-Urdiales, D; Castro-Pinero, J; Vidal-Conti, J; Sanchis-Moysi, J; Benito, PJ; Vicente-Rodriguez, G; Lof, M; Labayen, I; Ruiz, JR; Ortega, FB

MEDICINE AND SCIENCE IN SPORTS AND EXERCISE, 49 (5):517-518; 1
10.1249/01.mss.0000518328.54100.21 MAY 2017

[KENYAN AND SPANISH LONG DISTANCE RUNNERS AND THEIR DELIBERATE PRACTICE-Q4](#)

Casado-Alda, A; Ruiz-Perez, LM

REVISTA DE PSICOLOGIA DEL DEPORTE, 26 (2):55-61; 2017

[ANALYSIS OF PHYSICAL SELF-CONCEPT IN SECONDARY SCHOOL STUDENTS PARTICIPATING IN THE PROJECT SPORT SPECIALIZATION OF MADRID-Q4](#)

Hernanz, DB; Gomez-Ruano, MA; Moro, MIB

REVISTA DE PSICOLOGIA DEL DEPORTE, 26 (2):45-53; 2017

[Influence of match quality on men's volleyball performance at different competition levels-Q4](#)

Garcia-de-Alcaraz, A; Marcelino, R

INTERNATIONAL JOURNAL OF PERFORMANCE ANALYSIS IN SPORT, 17 (4):394-405;
10.1080/24748668.2017.1348058 2017

[Subir](#)

ETSI Informáticos

[Contextual attributes impacting the effectiveness of requirements elicitation Techniques: Mapping theoretical and empirical research-Q1](#)

Carrizo, D; Dieste, O; Juristo, N

INFORMATION AND SOFTWARE TECHNOLOGY, 92 194-221; 10.1016/j.infsof.2017.08.003
DEC 2017

[A Multi-Layered Component-Based Approach for the Development of Aerial Robotic Systems: The Aerostack Framework-Q3](#)

Sanchez-Lopez, JL; Molina, M; Bavle, H; Sampedro, C; Fernandez, RAS; Campoy, P

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 88 (2-4):683-709; SI 10.1007/s10846-017-0551-4 1 DEC 2017

[Hybrid Conventional and Quantum Security for Software Defined and Virtualized Networks-Q2](#)

Aguado, A; Lopez, V; Martinez-Mateo, J; Szyrkowiec, T; Autenrieth, A; Peev, M; Lopez, D; Martin, V

JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING, 9 (10):819-825;
10.1364/JOCN.9.000819 OCT 2017

[GMPLS Network Control Plane Enabling Quantum Encryption in End-to-End Services-](#)

Aguado, A; Lopez, V; Martinez-Mateo, J; Peev, M; Lopez, D; Martin, V

2017 INTERNATIONAL CONFERENCE ON OPTICAL NETWORK DESIGN AND MODELING (ONDM), 2017

[Fundamental finite key limits for one-way information reconciliation in quantum key distribution-Q1](#)

Tomamichel, M; Martinez-Mateo, J; Pacher, C; Elkouss, D

QUANTUM INFORMATION PROCESSING, 16 (11):10.1007/s11128-017-1709-5 NOV 2017

[Detection of Changes in Natural Aquifer Reservoirs based on the Index of Drought-Q4](#)

Martinez, M; Martinez, ME; Martinez, E; Renza, D

IEEE LATIN AMERICA TRANSACTIONS, 15 (11):2059-2063; NOV 2017

[The Possibilistic Reward Method and a Dynamic Extension for the Multi-armed Bandit Problem: A Numerical Study-](#)

Martin, M; Jimenez-Martin, A; Mateos, A

PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON OPERATIONS RESEARCH AND ENTERPRISE SYSTEMS (ICORES), 75-84; 10.5220/0006186400750084 2017

[Neural networks in distributed computing and artificial intelligence – Q1](#)

Bajo, J; Corchado, JM

NEUROCOMPUTING, 272 1-2; 10.1016/j.neucom.2017.06.022 JAN 10 2018

[Characterizing attentive behavior in intelligent environments – Q1](#)

Duraes, D; Carneiro, D; Jimenez, A; Novais, P

NEUROCOMPUTING, 272 46-54; 10.1016/j.neucom.2017.05.091 JAN 10 2018

[Highly Biocompatible Drug-Delivery Systems Based on DNA Nanotechnology – Q1](#)

Li, X; Hong, L; Song, T; Rodriguez-Paton, A; Chen, CZ; Zhao, HY; Shi, XL

JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, 13 (7):747-757; 10.1166/jbn.2017.2383 JUL 2017

[Could Blobs Fuel Storage-Based Convergence between HPC and Big Data? -](#)

Matri, P; Alforov, Y; Brandon, A; Kuhn, M; Carns, P; Ludwig, T

2017 IEEE INTERNATIONAL CONFERENCE ON CLUSTER COMPUTING (CLUSTER), 81-86; 10.1109/CLUSTER.2017.63 2017

[An Algorithmic Approach to Global Asymptotic Stability Verification of Hybrid Systems](#) -

Prabhakar, P; Soto, MG

2016 PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON EMBEDDED SOFTWARE (EMSOFT), 10.1145/2968478.2968483 2016

[Multi-source homogeneous data clustering for multi-target detection from cluttered background with misdetection](#)-Q1

Li, TC; Pintado, FD; Corchado, JM; Bajo, J

APPLIED SOFT COMPUTING, 60 436-446; 10.1016/j.asoc.2017.07.012 NOV 2017

[Using semantics for representing experimental protocols](#)-Q2

Giraldo, O; Garcia, A; Lopez, F; Corcho, O

JOURNAL OF BIOMEDICAL SEMANTICS, 8 10.1186/s13326-017-0160-y NOV 13 2017

[An Approximated Box Height for Differential-Box-Counting Method to Estimate Fractal Dimensions of Gray-Scale Images](#)-Q2

Panigrahy, C; Garcia-Pedrero, A; Seal, A; Rodriguez-Esparragon, D; Mahato, NK; Gonzalo-Martin, C

ENTROPY, 19 (10):10.3390/e19100534 OCT 2017

[Subir](#)

ETS Edificación

[Analysis of the Relationship between Density and Mechanical Strength of Lightened Gypsums: Proposal for a Coefficient of Lightening-Q3](#)

Astorqui, JSC; Merino, MD; Saez, PV; Porrás-Amores, C

ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 10.1155/2017/7092521 2017

[Effects of the addition of inertized MSW fly ash on calcium aluminate cement mortars-Q1](#)

Lopez-Zaldivar, O; Lozano-Diez, RV; Verdu-Vazquez, A; Llaurado-Perez, N

CONSTRUCTION AND BUILDING MATERIALS, 157 1106-1116;
10.1016/j.conbuildmat.2017.09.189 DEC 30 2017

[THE FIRST DAY IN THE UNIVERSITY-](#)

Lopez, MV; Contreras, MCS; Diaz, JRO

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 3645-3651; 2017

[DRAWING BY COMPUTER BIM, ARCHITECTS AND ARCHITECTURE FIRMS TEND TO RELY ON 3D PRINTING-](#)

Lopez, MV; Contreras, MCS; Vazquez, AV; Diaz, JRO

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 3582-3590; 2017

[INITIATION TO PROGRAMMING WITH ARDUINO BY MEANS OF COLLABORATIVE LEARNING-](#)

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

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1451-1456; 2017

[GAMIFICATION IN THE EDUCATION: THE BENEFITS OF LEARNING THROUGH PLAY-](#)

Gomez, T; Moron, C; Ferrandez, D; Saiz, P; Garrido, R

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT
CONFERENCE, 1051-1060; 2017

[Development of a methodology for the characterization of urban and periurban green
spaces in the context of supra-municipal sustainability strategies-1](#)

Verdu-Vazquez, A; Fernandez-Pablos, E; Lozano-Diez, RV; Lopez-Zaldivar, O

LAND USE POLICY, 69 75-84; 10.1016/j.landusepol.2017.08.040 DEC 2017

[Subir](#)

ETSI Sistemas Informáticos

[Detection of Changes in Natural Aquifer Reservoirs based on the Index of Drought](#)-Q4

Martinez, M; Martinez, ME; Martinez, E; Renza, D

IEEE LATIN AMERICA TRANSACTIONS, 15 (11):2059-2063; NOV 2017

[A distributed and quiescent max-min fair algorithm for network congestion control](#)-Q1

Mozo, A; Lopez-Presa, J; Anta, AF

EXPERT SYSTEMS WITH APPLICATIONS, 91 492-512; 10.1016/j.eswa.2017.09.015 JAN 2018

[Subir](#)

ETSI Diseño Industrial

[Cancelling out Skull-Induced Aberrations: Analysis of Acoustic Metamaterials Using Neural Networks-Q4](#)

Cueto, C; Al Hadithi, BM

IEEE LATIN AMERICA TRANSACTIONS, 15 (10):1948-1959; OCT 2017

[Application of Support Vector Machines \(SVM\) for clinical diagnosis of Parkinson's Disease and Essential Tremor-Q4](#)

Gonzalez, R; Barrientos, A; Toapanta, M; del Cerro, J

REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL, 14 (4):394-405; 10.1016/j.riai.2017.07.005 OCT-DEC 2017

[Parametric study of a novel organic Rankine cycle combined with a cascade refrigeration cycle \(ORC-CRS\) using natural refrigerants-Q1](#)

Lizarte, R; Palacios-Lorenzo, ME; Marcos, JD

APPLIED THERMAL ENGINEERING, 127 378-389; 10.1016/j.applthermaleng.2017.08.063 DEC 25 2017

[FAST SCANNING TECHNOLOGY AND 3D PROTOTYPE OF BONES FOR TEACHING PURPOSE-](#)

Lozano, MTU; Haro, FB; Mendez, JAJ

INTED2017: 11TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE, 1610-1616; 2017

[Comparative study of PV power forecast using parametric and nonparametric PV models-Q1](#)

Almeida, MP; Munoz, M; de la Parra, I; Perpignan, O

SOLAR ENERGY, 155 854-866; 10.1016/j.solener.2017.07.032 OCT 2017

[Subir](#)

ETSI Civil

[Efficient Prediction of Low-Visibility Events at Airports Using Machine-Learning Regression-Q2](#)

Cornejo-Bueno, L; Casanova-Mateo, C; Sanz-Justo, J; Cerro-Prada, E; Salcedo-Sanz, S

BOUNDARY-LAYER METEOROLOGY, 165 (2):349-370; 10.1007/s10546-017-0276-8 NOV 2017

[Subir](#)

ETSI Sistemas Telecomunicación

[Survey and systematic mapping of industrial Wireless Sensor Networks-Q1](#)

Queiroz, DV; Alencar, MS; Gomes, RD; Fonseca, IE; Benavente-Peces, C

JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, 97 96-125;
10.1016/j.jnca.2017.08.019 NOV 1 2017

[Comparison between Channel Hopping and Channel Adaptation for Industrial Wireless Sensor Networks-](#)

Gomes, RD; Alencar, MS; Queiroz, DV; Fonseca, IE; Benavente-Peces, C

SENSORNETS: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON SENSOR NETWORKS, 87-98; 10.5220/0006206800870098 2017

[Performance Evaluation of Default Active Message Layer \(AM\) and TKN15.4 Protocol Stack in TinyOS 2.1.2-](#)

Queiroz, DV; Gomes, RD; Benavente-Peces, C

SENSORNETS: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON SENSOR NETWORKS, 69-79; 10.5220/0006204200690079 2017

[Modeling of a concentrating photovoltaic module-](#)

Benrhouma, I; Victoria, M; Anton Hernandez, I; Chaouachi, B

2017 INTERNATIONAL CONFERENCE ON GREEN ENERGY & CONVERSION SYSTEMS (GECS), 2017

[SVM-based real-time hyperspectral image classifier on a manycore architecture – Q2](#)

Madronal, D; Lazcano, R; Salvador, R; Fabelo, H; Ortega, S; Callico, GM; Juarez, E; Sanz, C

JOURNAL OF SYSTEMS ARCHITECTURE, 80 30-40; 10.1016/j.sysarc.2017.08.002 OCT 2017

[A distributed and quiescent max-min fair algorithm for network congestion control](#)-Q1

Mozo, A; Lopez-Presa, J; Anta, AF

EXPERT SYSTEMS WITH APPLICATIONS, 91 492-512; 10.1016/j.eswa.2017.09.015 JAN 2018

[On Weighted Average Interpolation with Cardinal Splines](#)-Q3

Lopez-Salazar, J; Perez-Villalon, G

ACTA APPLICANDAE MATHEMATICAE, 152 (1):73-82; 10.1007/s10440-017-0112-7 DEC 2017

[In-the-field PID related experiences](#)-Q1

Martinez-Moreno, F; Figueiredo, G; Lorenzo, E

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 174 485-493;
10.1016/j.solmat.2017.09.037 JAN 2018

[Glottal Gap tracking by a continuous background modeling using inpainting](#)-Q2

Andrade-Miranda, G; Godino-Llorente, JI

MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, 55 (12):2123-2141;
10.1007/s11517-017-1652-8 DEC 2017

[Uncertainties on the outdoor characterization of PV modules and the calibration of reference modules](#)-Q1

Carrillo, JM; Martinez-Moreno, F; Lorenzo, C; Lorenzo, E

SOLAR ENERGY, 155 880-892; 10.1016/j.solener.2017.07.028 OCT 2017

[2.6 GHz Intra-Consist Channel Model for Train Control and Management Systems](#)-Q1

Garcia-Loygorri, JM; Val, I; Arriola, A; Briso-Rodriguez, C

IEEE ACCESS, 5 23052-23059; 10.1109/ACCESS.2017.2759324 2017

[Low Altitude UAV Air-to-Ground Channel Measurement and Modeling in Semiurban Environments-Q2](#)

Qiu, ZH; Chu, X; Calvo-Ramirez, C; Briso, C; Yin, XF

WIRELESS COMMUNICATIONS & MOBILE COMPUTING, 10.1155/2017/1587412 2017

[Subir](#)

Centro de Automática y Robótica (CAR)

[Obstacle Detection System for Small UAVs using ADS-B and Thermal Imaging-Q3](#)

Carrío, A; Lin, YC; Saripalli, S; Campoy, P

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 88 (2-4):583-595; SI 10.1007/s10846-017-0529-2 1 DEC 2017

[A Multi-Layered Component-Based Approach for the Development of Aerial Robotic Systems: The Aerostack Framework-Q3](#)

Sanchez-Lopez, JL; Molina, M; Bavle, H; Sampedro, C; Fernandez, RAS; Campoy, P

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, 88 (2-4):683-709; SI 10.1007/s10846-017-0551-4 1 DEC 2017

[Cancelling out Skull-Induced Aberrations: Analysis of Acoustic Metamaterials Using Neural Networks-Q4](#)

Cueto, C; Al Hadithi, BM

IEEE LATIN AMERICA TRANSACTIONS, 15 (10):1948-1959; OCT 2017

[Application of Support Vector Machines \(SVM\) for clinical diagnosis of Parkinson's Disease and Essential Tremor-Q4](#)

Gonzalez, R; Barrientos, A; Toapanta, M; del Cerro, J

REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL, 14 (4):394-405; 10.1016/j.riai.2017.07.005 OCT-DEC 2017

[Evaluation methodology for eye-trackers as alternative access device for people with cerebral palsy-Q4](#)

Clemotte, A; Velasco, MA; Raya, R; Ceres, R; de Cordoba, R; Rocon, E

REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL, 14 (4):384-393; 10.1016/j.riai.2017.07.004 OCT-DEC 2017

[Insole optical fiber Bragg grating sensors network for dynamic vertical force monitoring-](#)
Q2

Domingues, MF; Tavares, C; Leitao, C; Frizera-Neto, A; Alberto, N; Marques, C; Radwan, A; Rodriguez, J; Postolache, O; Rocon, E; Andre, P; Antunes, P

JOURNAL OF BIOMEDICAL OPTICS, 22 (9):10.1117/1.JBO.22.9.091507 SEP 2017

[New Perspectives for Computer-Aided Discrimination of Parkinson's Disease and Essential Tremor](#) – Q1

Brzan, PP; Gallego, JA; Romero, JP; Glaser, V; Rocon, E; Benito-Leon, J; Bermejo-Pareja, F; Posada, IJ; Holobar, A

COMPLEXITY, 10.1155/2017/4327175 2017

[A Simple Multi-Objective Optimization Based on the Cross-Entropy Method](#)-Q1

Haber, RE; Beruvides, G; Quiza, R; Hernandez, A

IEEE ACCESS, 5 22272-22281; 10.1109/ACCESS.2017.2764047 2017

[Subir](#)

Centro de Biotecnología y Genómica de Plantas (CBGP)

[Medicago truncatula Zinc-Iron Permease6 provides zinc to rhizobia-infected nodule cells-Q1](#)

Abreu, I; Saez, A; Castro-Rodriguez, R; Escudero, V; Rodriguez-Haas, B; Senovilla, M; Larue, C; Grolimund, D; Tejada-Jimenez, M; Imperial, J; Gonzalez-Guerrero, M

PLANT CELL AND ENVIRONMENT, 40 (11):2706-2719; SI 10.1111/pce.13035 NOV 2017

[Overexpression of DEMETER, a DNA demethylase, promotes early apical bud maturation in poplar-Q1](#)

Conde, D; Moreno-Cortes, A; Dervinis, C; Ramos-Sanchez, JM; Kirst, M; Perales, M; Gonzalez-Melendi, P; Allona, I

PLANT CELL AND ENVIRONMENT, 40 (11):2806-2819; SI 10.1111/pce.13056 NOV 2017

[Endothelial Regulator of Calcineurin 1 Promotes Barrier Integrity and Modulates Histamine-Induced Barrier Dysfunction in Anaphylaxis-Q1](#)

Ballesteros-Martinez, C; Mendez-Barbero, N; Montalvo-Yuste, A; Jensen, BM; Gomez-Cardenosa, A; Klitfod, L; Garrido-Arandia, M; Alvarez-Llamas, G; Pastor-Vargas, C; Vivanco, F; Garvey, LH; Cuesta-Herranz, J; Poulsen, LK; Esteban, V

FRONTIERS IN IMMUNOLOGY, 8 10.3389/fimmu.2017.01323 OCT 20 2017

[A light-sensitive mutation in Arabidopsis LEW3 reveals the important role of N-glycosylation in root growth and development – Q1](#)

Manzano, C; Pallero-Baena, M; Silva-Navas, J; Neila, SN; Casimiro, I; Casero, P; Garcia-Mina, JM; Baigorri, R; Rubio, L; Fernandez, JA; Norris, M; Ding, YL; Moreno-Risueno, MA; del Pozo, JC

JOURNAL OF EXPERIMENTAL BOTANY, 68 (18):5103-5116; 10.1093/jxb/erx324 AUG 15 2017

[Medicago truncatula Molybdate Transporter type 1 \(MtMOT1.3\) is a plasma membrane molybdenum transporter required for nitrogenase activity in root nodules under molybdenum deficiency-Q1](#)

Tejada-Jimenez, M; Gil-Diez, P; Leon-Mediavilla, J; Wen, JQ; Mysore, KS; Imperial, J; Gonzalez-Guerrero, M

NEW PHYTOLOGIST, 216 (4):1223-1235; 10.1111/nph.14739 DEC 2017

[Ecological Factors Affecting Infection Risk and Population Genetic Diversity of a Novel Potyvirus in Its Native Wild Ecosystem-Q1](#)

Rodriguez-Nevado, C; Montes, N; Pagan, I

FRONTIERS IN PLANT SCIENCE, 8 10.3389/fpls.2017.01958 NOV 14 2017

[Insights into the molecular evolution of peptidase inhibitors in arthropods-Q1](#)

Alonso, J; Martinez, M

PLOS ONE, 12 (11):10.1371/journal.pone.0187643 NOV 6 2017

[Impact of Clinical Parameters in the Intrahost Evolution of HIV-1 Subtype B in Pediatric Patients: A Machine Learning Approach-Q2](#)

Sanchez, PR; Cobos, A; Navaro, M; Ramos, JT; Pagan, I; Holguin, A

GENOME BIOLOGY AND EVOLUTION, 9 (10):2715-2726; 10.1093/gbe/evx193 OCT 2017

[Diversity and Functional Analysis of the FeMo-Cofactor Maturase NifB-Q1](#)

Arragain, S; Jimenez-Vicente, E; Scandurra, AA; Buren, S; Rubio, LM; Echavarri-Erasun, C

FRONTIERS IN PLANT SCIENCE, 8 10.3389/fpls.2017.01947 NOV 14 2017

[Adaptation of the GoldenBraid modular cloning system and creation of a toolkit for the expression of heterologous proteins in yeast mitochondria-Q2](#)

Perez-Gonzalez, A; Kniewel, R; Veldhuizen, M; Verma, HK; Navarro-Rodriguez, M; Rubio, LM; Caro, E

BMC BIOTECHNOLOGY, 17 10.1186/s12896-017-0393-y NOV 13 2017

[Spatial correspondence between the specialist galling insect genus Kladothrips \(Thysanoptera: Tubulifera: Phlaeothripidae\) and its Acacia host: ecological and evolutionary constraints on host use-Q2](#)

McLeish, MJ; Gonzalez-Orozco, CE; Miller, JT

AUSTRAL ENTOMOLOGY, 56 (4):412-423; 10.1111/aen.12256 NOV 2017

[Subir](#)

Centro de Domótica Integral (CEDINT)

No hay documentos este mes.

[Subir](#)

Centro de Electrónica Industrial (CEI)

[Power macromodeling technique and its application to SoC-based design-Q4](#)

Durrani, YA; Riesgo, T

INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS
DEVICES AND FIELDS, 30 (6):10.1002/jnm.2207 NOV-DEC 2017

[Subir](#)

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

[Long-term Effect of Intra-Row Spacing on Growth and Productivity of Super-High Density Hedgerow Olive Orchards \(cv. Arbequina\)-Q1](#)

Gomez-del-Campo, M; Connor, DJ; Trentacoste, ER

FRONTIERS IN PLANT SCIENCE, 8 10.3389/fpls.2017.01790 OCT 18 2017

[Modeling the response of maize phenology, kernel set, and yield components to heat stress and heat shock with CSM-IXIM-Q1](#)

Lizaso, JI; Ruiz-Ramos, M; Rodriguez, L; Gabaldon-Leal, C; Oliveira, JA; Lorite, IJ;
Rodriguez, A; Maddonni, GA; Otegui, ME

FIELD CROPS RESEARCH, 214 239-252; 10.1016/j.fcr.2017.09.019 DEC 2017

[Subir](#)

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

No hay documentos este mes.

[Subir](#)

Centro Láser

[The design and analysis of a novel structural piezoresistive pressure sensor for low pressure measurement-Q3](#)

Li, C; Cordovilla, F; Ocana, JL

MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, 23 (12):5677-5687; 10.1007/s00542-017-3427-4 DEC 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)

[SVM-based real-time hyperspectral image classifier on a manycore architecture](#) – Q2

Madronal, D; Lazcano, R; Salvador, R; Fabelo, H; Ortega, S; Callico, GM; Juarez, E; Sanz, C

JOURNAL OF SYSTEMS ARCHITECTURE, 80 30-40; 10.1016/j.sysarc.2017.08.002 OCT
2017

[Subir](#)

Centro de Investigación en Simulación Computacional (CSC)

[Power transmission and workload balancing policies in eHealth mobile cloud computing scenarios-Q1](#)

Pagan, J; Zapater, M; Ayala, JL

FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF SCIENCE, 78 587-601; 10.1016/j.future.2017.02.015 2 JAN 2018

[Chromite typology and composition characterized through multispectral specular reflectance-Q1](#)

Lopez-Benito, A; Gervilla, F; Catalina, JC; Castroviejo, R

ORE GEOLOGY REVIEWS, 89 132-142; 10.1016/j.oregeorev.2017.06.010 OCT 2017

[Hybrid Conventional and Quantum Security for Software Defined and Virtualized Networks-Q2](#)

Aguado, A; Lopez, V; Martinez-Mateo, J; Szyrkowiec, T; Autenrieth, A; Peev, M; Lopez, D; Martin, V

JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING, 9 (10):819-825; 10.1364/JOCN.9.000819 OCT 2017

[GMPLS Network Control Plane Enabling Quantum Encryption in End-to-End Services-](#)

Aguado, A; Lopez, V; Martinez-Mateo, J; Peev, M; Lopez, D; Martin, V

2017 INTERNATIONAL CONFERENCE ON OPTICAL NETWORK DESIGN AND MODELING (ONDM), 2017

[Fundamental finite key limits for one-way information reconciliation in quantum key distribution-Q1](#)

Tomamichel, M; Martinez-Mateo, J; Pacher, C; Elkouss, D

QUANTUM INFORMATION PROCESSING, 16 (11):10.1007/s11128-017-1709-5 NOV 2017

[Sensitivity Analysis to Control the Far-Wake Unsteadiness Behind Turbines-Q2](#)

Ferrer, E; Browne, OMF; Valero, E

ENERGIES, 10 (10):10.3390/en10101599 OCT 2017

[Subir](#)

Centro de tecnología Biomédica CTB

[Characterisation of Resting Brain Network Topologies across the Human Lifespan with Magnetoencephalogram Recordings: A Phase Slope Index and Granger Causality Comparison Study-](#)

Shumbayawonda, E; Fernandez, A; Escudero, J; Hughes, MP; Abasolo, D

PROCEEDINGS OF THE 10TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, VOL 4: BIOSIGNALS, 118-125; 10.5220/0006104201180125 2017

[Error-feedback control of multistability-Q1](#)

Sevilla-Escoboza, R; Huerta-Cuellar, G; Jaimes-Reategui, R; Garcia-Lopez, JH; Medel-Ruiz, CI; Castaneda, CE; Lopez-Mancilla, D; Pisarchik, AN

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, 354 (16):7346-7358; 10.1016/j.jfranklin.2017.08.052 NOV 2017

[Network Disruption in the Preclinical Stages of Alzheimer's Disease: From Subjective Cognitive Decline to Mild Cognitive Impairment – Q1](#)

Lopez-Sanz, D; Garces, P; Alvarez, B; Delgado-Losada, ML; Lopez-Higes, R; Maestu, F

INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, 27 (8):10.1142/S0129065717500411 DEC 2017

[Synchronizability of nonidentical weakly dissipative systems – Q1](#)

Sendina-Nadal, I; Letellier, C

CHAOS, 27 (10):10.1063/1.5005840 OCT 2017

[Biological conservation law as an emerging functionality in dynamical neuronal networks-Q1](#)

Podobnik, B; Jusup, M; Tiganj, Z; Wang, WX; Buldu, JM; Stanley, HE

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 114 (45):11826-11831; 10.1073/pnas.1705704114 NOV 7 2017

[Differences between blind people's cognitive maps after proximity and distant exploration of virtual environments-Q1](#)

Cobo, A; Guerron, NE; Martin, C; del Pozo, F; Serrano, JJ

COMPUTERS IN HUMAN BEHAVIOR, 77 294-308; 10.1016/j.chb.2017.09.007 DEC 2017

[Glottal Gap tracking by a continuous background modeling using inpainting-Q2](#)

Andrade-Miranda, G; Godino-Llorente, JI

MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, 55 (12):2123-2141;
10.1007/s11517-017-1652-8 DEC 2017

[Network Disruption in the Preclinical Stages of Alzheimer's Disease: From Subjective Cognitive Decline to Mild Cognitive Impairment-Q1](#)

Lopez-Sanz, D; Garces, P; Alvarez, B; Delgado-Losada, ML; Lopez-Higes, R; Maestu, F

INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, 27 (8):10.1142/S0129065717500411
DEC 2017

[An Approximated Box Height for Differential-Box-Counting Method to Estimate Fractal Dimensions of Gray-Scale Images-Q2](#)

Panigrahy, C; Garcia-Pedrero, A; Seal, A; Rodriguez-Esparragon, D; Mahato, NK; Gonzalo-Martin, C

ENTROPY, 19 (10):10.3390/e19100534 OCT 2017

[Synchronizability of nonidentical weakly dissipative systems-Q1](#)

Sendina-Nadal, I; Letellier, C

CHAOS, 27 (10):10.1063/1.5005840 OCT 2017

[Subir](#)

Instituto de Fusión Nuclear (DENIM)

[Near-Electric-Field Tuned Plasmonic Au@SiO₂ and Ag@SiO₂ Nanoparticles for Efficient Utilization in Luminescence Enhancement and Surface-Enhanced Spectroscopy-Q1](#)

Montano-Priede, JL; Pena-Rodriguez, O; Pal, U

JOURNAL OF PHYSICAL CHEMISTRY C, 121 (41):23062-23071; 10.1021/acs.jpcc.7b07395
OCT 19 2017

[Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances – Q1](#)

Gonzalez-Rubio, G; Diaz-Nunez, P; Rivera, A; Prada, A; Tardajos, G; Gonzalez-Izquierdo, J; Banares, L; Llombart, P; Macdowell, LG; Palafox, MA; Liz-Marzan, LM; Pena-Rodriguez, O; Guerrero-Martinez, A

SCIENCE, 358 (6363):640-644; 10.1126/science.aan8478 NOV 3 2017

[Subir](#)

Instituto Universitario de Microgravedad "Ignacio da Riva" (IDR)

[Testing solar panels for small-size satellites: the UPMSAT-2 mission-Q2](#)

Roibas-Millan, E; Alonso-Moragon, A; Jimenez-Mateos, AG; Pindado, S

MEASUREMENT SCIENCE AND TECHNOLOGY, 28 (11):10.1088/1361-6501/aa85fc NOV 2017

[Assesment of the transverse galloping stability of a railway overhead located above a railway bridge-Q1](#)

Avila-Sanchez, S; Lopez-Garcia, O; Cuerva, A; Meseguer, J

INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, 131 649-662;
10.1016/j.ijmecsci.2017.07.024 OCT 2017

[Subir](#)

Instituto de Energía Solar (IES)

[Comparison of Ti/Pd/Ag, Pd/Ti/Pd/Ag and Pd/Ge/Ti/Pd/Ag contacts to n-type GaAs for electronic devices handling high current densities-Q2](#)

Huo, P; Galiana, B; Rey-Stolle, I

SEMICONDUCTOR SCIENCE AND TECHNOLOGY, 32 (4):10.1088/1361-6641/32/4/045006
APR 2017

[Modeling of a concentrating photovoltaic module-](#)

Benrhouma, I; Victoria, M; Anton Hernandez, I; Chaouachi, B

2017 INTERNATIONAL CONFERENCE ON GREEN ENERGY & CONVERSION SYSTEMS
(GECS), 2017

[In-the-field PID related experiences-Q1](#)

Martinez-Moreno, F; Figueiredo, G; Lorenzo, E

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 174 485-493;
10.1016/j.solmat.2017.09.037 JAN 2018

[Refractive indexes and extinction coefficients of n- and p-type doped GaInP, AlInP and AlGaInP for multijunction solar cells-Q1](#)

Ochoa-Martinez, E; Barrutia, L; Ochoa, M; Barrigon, E; Garcia, I; Rey-Stolle, I; Algora, C;
Basa, P; Kronome, G; Gabas, M

SOLAR ENERGY MATERIALS AND SOLAR CELLS, 174 388-396;
10.1016/j.solmat.2017.09.028 JAN 2018

[Vanadium supersaturated silicon system: a theoretical and experimental approach-Q2](#)

Garcia-Hemme, E; Garcia, G; Palacios, P; Montero, D; Garcia-Hernansanz, R; Gonzalez-Diaz, G; Wahnou, P

JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50 (49):10.1088/1361-6463/aa9360 DEC 13
2017

[Comparative study of PV power forecast using parametric and nonparametric PV models-Q1](#)

Almeida, MP; Munoz, M; de la Parra, I; Perpignan, O

SOLAR ENERGY, 155 854-866; 10.1016/j.solener.2017.07.032 OCT 2017

[Uncertainties on the outdoor characterization of PV modules and the calibration of reference modules-Q1](#)

Carrillo, JM; Martinez-Moreno, F; Lorenzo, C; Lorenzo, E

SOLAR ENERGY, 155 880-892; 10.1016/j.solener.2017.07.028 OCT 2017

[Subir](#)

Instituto Universitario de Investigación del Automóvil (INSIA)

No hay documentos este mes.

[Subir](#)

Instituto Universitario de Sistemas Optoelectrónicos y Microtecnología (ISOM)

[Impact of 2D-Graphene on SiN Passivated AlGaIn/GaN MIS-HEMTs Under Mist Exposure-Q1](#)

Romero, MF; Bosca, A; Pedros, J; Martinez, J; Fandan, R; Palacios, T; Calle, F

IEEE ELECTRON DEVICE LETTERS, 38 (10):1441-1444; 10.1109/LED.2017.2747500 OCT 2017

[Silane control of the electron injection and oxygen sensitivity of dye-silane-GaN hybrid materials for luminescent chemical sensing-Q1](#)

Ielasi, G; Hui, P; Palacio, C; Munoz, E; Orellana, G

SENSORS AND ACTUATORS B-CHEMICAL, 254 926-934; 10.1016/j.snb.2017.07.203 JAN 2018

[Tailoring the magnetization states in 2D arrays of multiresponse ferromagnetic nanomagnets-Q2](#)

Abuin, M; Maicas, M; Garcia, MA; Perez, L; Mascaraque, A

JOURNAL OF PHYSICS D-APPLIED PHYSICS, 50 (48):10.1088/1361-6463/aa929f DEC 6 2017

[Subir](#)

Centro de Investigación del Transporte (TRANSYT)

[Measuring Drivers' Attitudes Toward Use of Electronic Toll Collection Systems in Spain-Q4](#)

Heras-Molina, J; Gomez, J; Vassallo, JM

TRANSPORTATION RESEARCH RECORD, (2670):1-8; 10.3141/2670-01 2017

[Seeking Factors to Increase the Public's Acceptability of Road-Pricing Schemes Case Study of Spain-Q4](#)

Bueno, PC; Gomez, J; Vassallo, JM

TRANSPORTATION RESEARCH RECORD, (2606):9-17; 10.3141/2606-02 2017

[Making 'Retail Mobility Environments' visible for collaborative transport planning – Q2](#)

Arranz-Lopez, A; Soria-Lara, JA; Lopez-Escolano, C; Campos, AP

JOURNAL OF MAPS, 13 (1):90-100; 10.1080/17445647.2017.1383945 OCT 6 2017

[Subir](#)