

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

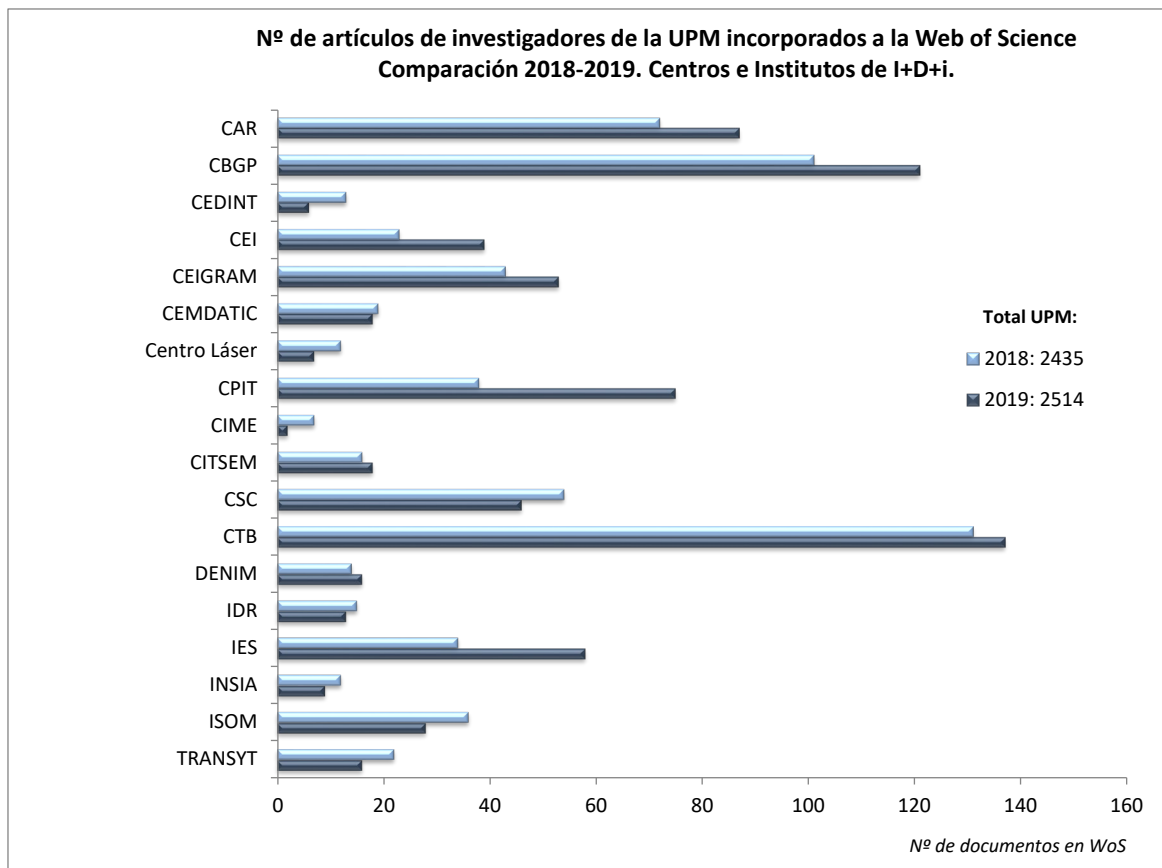
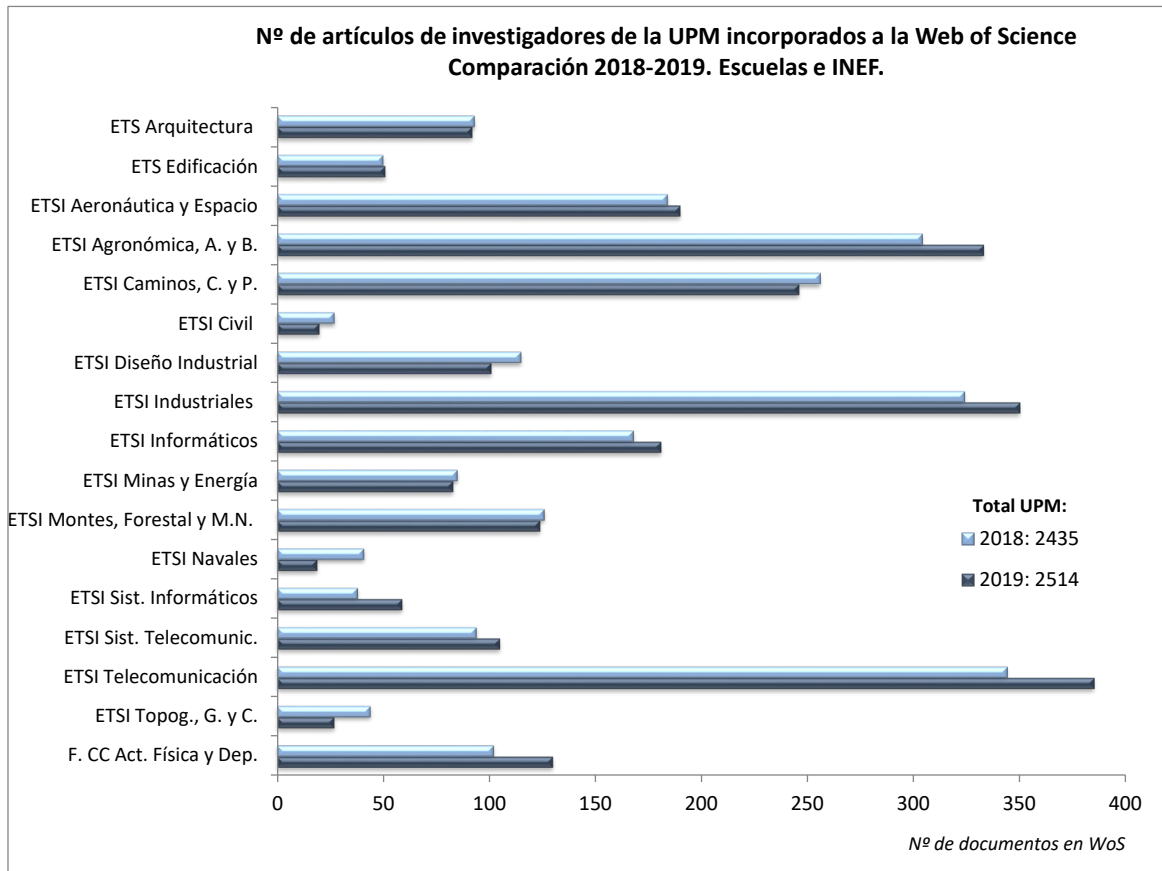
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La [Web Of Science](#) (WOS) es una plataforma de la empresa Clarivate Analytics basada en tecnología web y formada por una amplia colección de bases de datos bibliográficas, citas y referencias de publicaciones científicas de cualquier disciplina 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 los gráficos siguientes se presenta la comparativa 2018-2019 de los documentos de investigación de la Universidad Politécnica de Madrid (UPM) dados de alta en la Web of Science (WoS) en los dos últimos años. 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 WoS.

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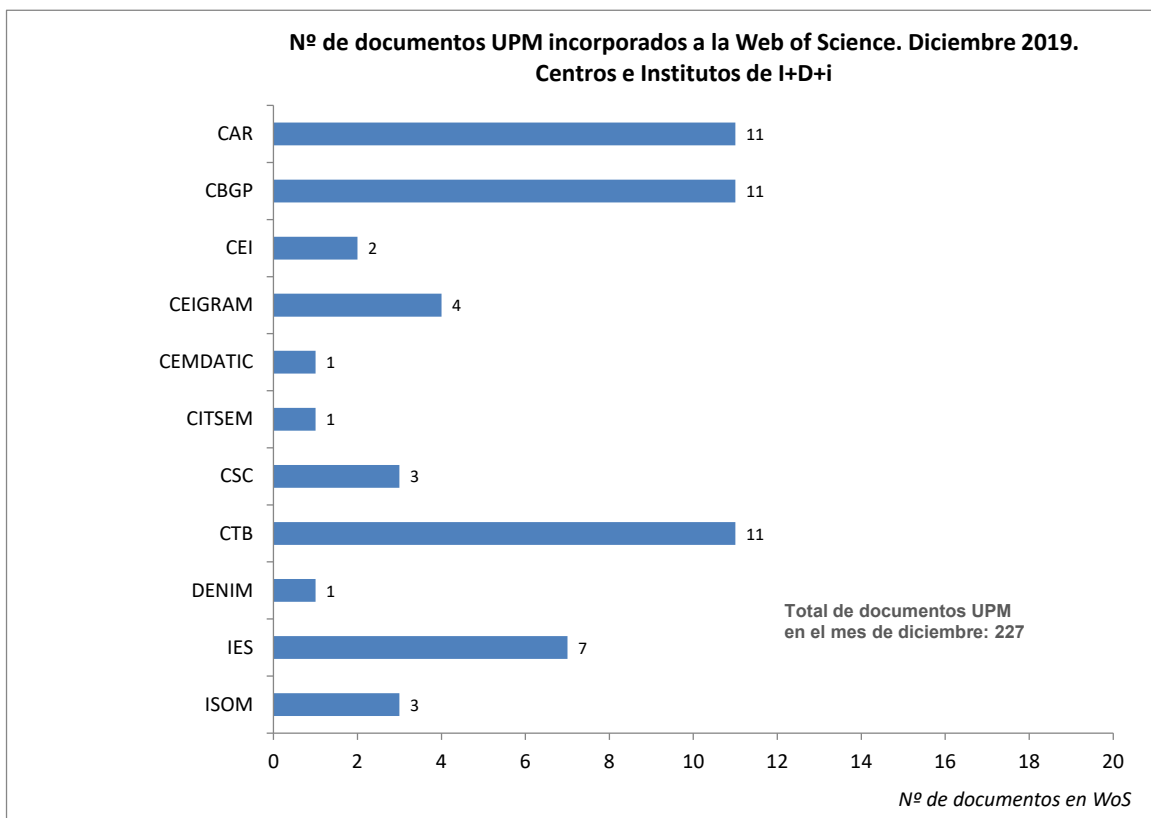
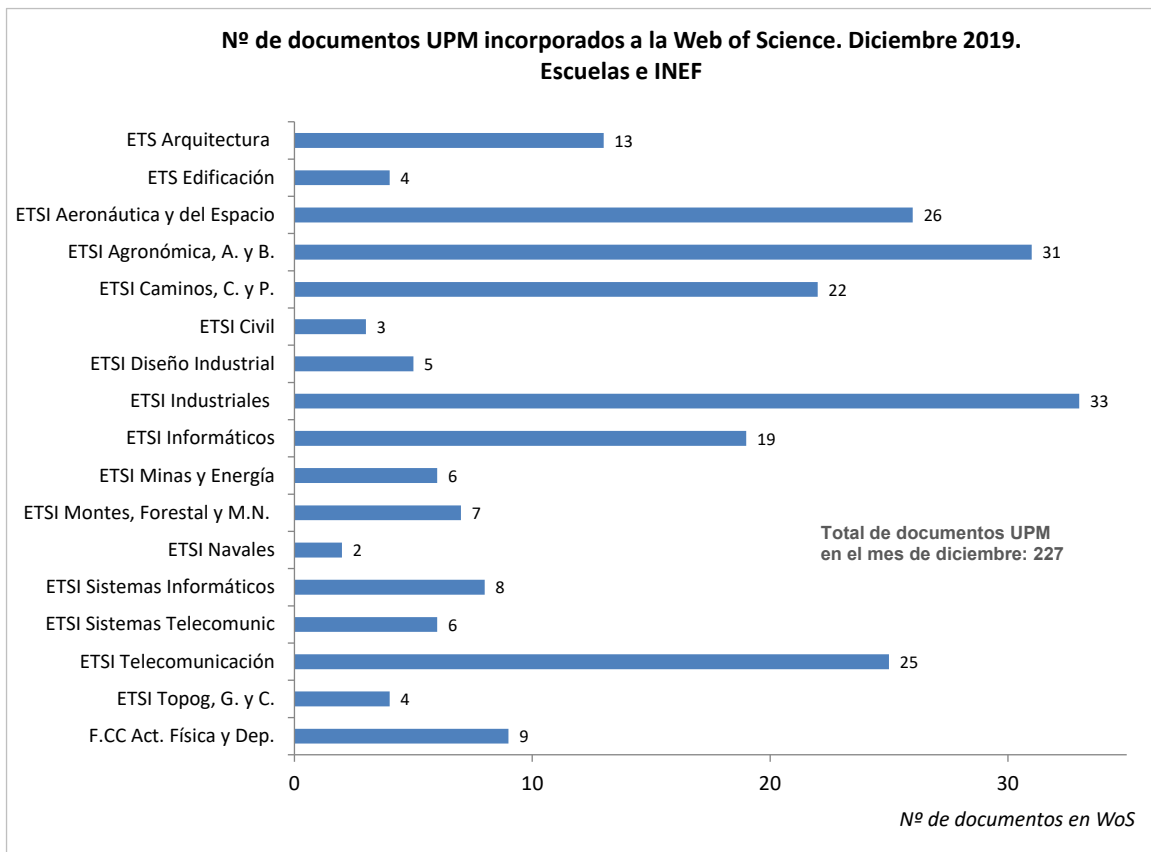


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## Documentos de investigación de la UPM incorporados a la Web of Science en 2019

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- [Enero](#)
- [Febrero](#)
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- [Mayo](#)
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## Documentos de investigación de la UPM incorporados a la Web of Science en diciembre

[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 Navales](#)  
[ETSI Sistemas Informáticos](#)  
[ETSI Sistemas Telecomunicación](#)  
[ETSI Telecomunicación](#)  
[ETSI Topografía, Geodesia y Cartografía](#)  
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### Centros de I+D+i

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### Institutos de I+D+i

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

## ETS Arquitectura

### [TEMPORAL CONFLICT OF URBAN LEGISLATION](#)

Delso, R; Amann, A; Soriano, F

ACE-ARCHITECTURE CITY AND ENVIRONMENT

### [THE STRUGGLE FOR HOUSING IN SPAIN \(2009-2019\): FROM THE STREET TO THE INSTITUTIONS](#)

de Andres, EA; Smith, H

REVISTA INVI

### [THE STATUTE OF FORM IN THE ARCHITECTURE OF BORROMINI. BAROQUE, TRAGEDY AND EXCESS](#)

Garcia, PF

EN BLANCO-REVISTA DE ARQUITECTURA

### [ACTIVATION OF COMPACT ARCHITECTURAL SYSTEMS. THE CONSTRUCTION OF THE DIAGONAL PROJECTION MECHANISM IN ADOLF LOOS' WORK](#)

Guinea, MT

EGA-REVISTA DE EXPRESION GRAFICA ARQUITECTONICA

### [CONCRETE TROMPE-L'OEILS: UNLIMITED SIMULTANEITY, MEMORY AND ARCHITECTURAL EVENT](#)

Valenzuela, MS

EN BLANCO-REVISTA DE ARQUITECTURA

### [Analysis of Artificial Neural Network Architectures for Modeling Smart Lighting Systems for Energy Savings](#) – Q1

Garces-Jimenez, A; Castillo-Sequera, JL; Del Corte-Valiente, A; Gomez-Pulido, JM; Gonzalez-Seco, EPD

IEEE ACCESS

[On the accuracy of the sound absorption measurement with an impedance gun – Q2](#)

Pedrero, A; Navacerrada, MA; de la Prida, D; Iglesias, L; Diaz-Chyla, A

APPLIED ACOUSTICS

[The Cooling Effect of Large-Scale Urban Parks on Surrounding Area Thermal Comfort – Q3](#)

Aram, F; Solgi, E; Garcia, EH; Mosavi, A; Varkonyi-Koczy, AR

ENERGIES

[Understanding the influence of EU urban policy in Spanish cities: the case of Malaga-](#)

Hurtado, SD (De Gregorio Hurtado, Sonia)

URBAN RESEARCH & PRACTICE DOI: 10.1080/17535069.2019.1690672 Early Access Date: DEC 2019

[Spatialities of cultural landscapes: towards a unified vision of Spanish practices within the European Landscape Convention-Q2](#)

Cabrera, MRD (de la O Cabrera, Manuel Rodrigo); Marine, N (Marine, Nicolas); Escudero, D (Escudero, David)

EUROPEAN PLANNING STUDIES DOI: 10.1080/09654313.2019.1701633 Early Access Date: DEC 2019

[Cross-border cooperation and urban change in the Trinational Agglomeration Basel Potential and limitations-](#)

Marin, SF (Fernandez Marin, Silvia)

ARCHNET-IJAR INTERNATIONAL JOURNAL OF ARCHITECTURAL RESEARCH Volume: 13 Issue: 3 Special Issue: SI Pages: 540-556 DOI: 10.1108/ARCH-05-2019.0119 Published: 2019

[Toledo's wood lattice frames. Eight pointed star geometric patterns' evolution in relationship with the different used constructive systems-Q4](#)

Nuere, E (Nuere, E.); Franco, E (Franco, E.); Cabo, MCF (Fernandez Cabo, M. C.)

INFORMES DE LA CONSTRUCCION Volume: 71 Issue: 556 Article Number: e317 DOI:  
10.3989/ic.68659 Published: OCT-DEC 2019

[Victims or non-humans: Exploring the semantic preference of refugees in Spanish news articles-Q2](#)

Soto-Almela, J (Soto-Almela, Jorge); Alcaraz-Marmol, G (Alcaraz-Marmol, Gema)

LANGUAGE & COMMUNICATION Volume: 69 Pages: 11-25 DOI:  
10.1016/j.langcom.2019.05.001 Published: NOV 2019

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## ETSI Aeronáutica y del Espacio

[A transition prediction method for flow over airfoils based on high-order dynamic mode decomposition](#) – Q1

Wu, MM; Han, ZH; Nie, H; Song, WP; Le Clainche, S; Ferrer, E

CHINESE JOURNAL OF AERONAUTICS

[The Thermocapillary Effects in Phase Change Materials in Microgravity experiment: Design, preparation and execution of a parabolic flight experiment](#) – Q1

Ezquerro, J. M.; Bello, A.; Salgado Sanchez, P.; Laveron-Simavilla, A.; Lapuerta, V.

ACTA ASTRONAUTICA

[The effect of compressibility on the primary global instability of unforced laminar separation bubbles](#) – Q3

Gennaro, EM; Souza, BDP); Rodriguez, D

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING

[Effect of the displacement rate and inclination angle in steel fiber pullout tests](#) – Q1

Tarifa, M; Poveda, E; Cunha, VMCF; Barros, JAO

INTERNATIONAL JOURNAL OF FRACTURE

[DROMO PROPAGATOR FOR HIGHLY PERTURBED PROBLEMS](#)

Raposo-Pulido, V; Urrutxua, H; Pelaez, J

SPACEFLIGHT MECHANICS

[SENSITIVITY ANALYSIS OF REGULARIZED ORBIT FORMULATIONS WITH INTERVAL ARITHMETIC](#)

Urrutxua, H; Souied, Y; Pelaez, J

SPACEFLIGHT MECHANICS

[GRAVITATIONAL CAPTURE AT SATURN WITH LOW-THRUST ASSISTANCE](#)

Fantino, E; Pelaez, J; Flores, R; Raposo-Pulido, V

SPACEFLIGHT MECHANICS

[RESIDENT SPACE OBJECT PROPER ORBITAL ELEMENTS](#)

Rosengren, AJ; Amato, D; Bombardelli, C; Jah, M

SPACEFLIGHT MECHANICS

[A Vibration-Based Method for assessing the integrity of welded structures](#) – Q2

de la Cruz, VR; Paniagua, KS; Sanchez, PS; Garcia-Fogeda, P

NONDESTRUCTIVE TESTING AND EVALUATION

[Characterization of an analog-to-digital converter frequency response by a Josephson arbitrary waveform synthesizer](#) – Q2

Diaz de Aguilar, J; Salinas, JR; Kieler, O; Caballero, R; Behr, R; Sanmamed, Y; Mendez, A

MEASUREMENT SCIENCE AND TECHNOLOGY

[Performance, limits, and thermal stress analysis of high concentrator multijunction solar cell under passive cooling conditions](#) – Q1

Abo-Zahhad, EM; Ookawara, S; Radwan, A; El-Shazly, AH; El-Kady, MF; Esmail, MFC

APPLIED THERMAL ENGINEERING

[Exploring the mechanical and sensing capabilities of multi-material bonded joints with carbon nanotube-doped adhesive films](#) – Q1

Sanchez-Romate, XF; Baena, L; Jimenez-Suarez, A; Sanchez, M; Guemes, A; Urena, A

COMPOSITE STRUCTURES

[Rate effect in inclined fibre pull-out for smooth and hooked-end fibres: a numerical study](#)

– Q1

Poveda, E; Yu, RC; Tarifa, M; Ruiz, G; Cunha, VMCF; Barros, JAO

INTERNATIONAL JOURNAL OF FRACTURE

[Bayesian Network for Managing Runway Overruns in Aviation Safety](#) – Q4

Ayra, ES; Insua, DR; Cano, J

JOURNAL OF AEROSPACE INFORMATION SYSTEMS

[To the Sun and beyond](#) – Q1

Luque, B; Ballesteros, FJ

NATURE PHYSICS

[Carrier deck launching of adapted land-based airplanes](#) – Q3

Hernando, JL; Martinez-Val, R

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING

[Data-driven modeling and learning in science and engineering](#) – Q4

Montans, FJ; Chinesta, F; Gomez-Bombarelli, R; Kutz, JN

COMPTES RENDUS MECANIQUE

[Exploring the long-term dynamics of perturbed Keplerian motion in high degree potential fields](#) – Q1

Lara, M; Lopez, R; Perez, I; San-Juan, JF

COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION

[INLET TURBULENCE AND OFF-DESIGN INCIDENCE RESPONSE OF HIGH EFFICIENCY, TURBINE OGV PROFILES-](#)

Lazaro, BJ (Lazaro, Benigno J.); Gonzalez, E (Gonzalez, Ezequiel); Parra, J (Parra, Jorge); Robles, DC (Cadrecha Robles, David)

PROCEEDINGS OF THE ASME TURBO EXPO: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, 2019, VOL 2B Article Number: V02BT40A0015 Published: 2019

[PREDICTION OF REYNOLDS NUMBER EFFECTS ON LOW-PRESSURE TURBINES USING A HIGH-ORDER ILES METHOD-](#)

Bolinches-Gisbert, M (Bolinches-Gisbert, Marc); Robles, DC (Cadrecha Robles, David); Corral, R (Corral, Roque); Gisbert, F (Gisbert, Fernando)

Source: PROCEEDINGS OF THE ASME TURBO EXPO:

[Motivational impact of active learning methods in aerospace engineering students-Q1](#)

Lopez-Fernandez, D (Lopez-Fernandez, Daniel); Ezquerro, JM (Miguel Ezquerro, Jose); Rodriguez, J (Rodriguez, Jacobo); Porter, J (Porter, Jeff); Lapuerta, V (Lapuerta, Victoria)

ACTA ASTRONAUTICA Volume: 165 Pages: 344-354 DOI: 10.1016/j.actaastro.2019.09.026 Published: DEC 2019

[Vibroequilibria in microgravity: Comparison of experiments and theory-Q1](#)

Sanchez, PS (Salgado Sanchez, P.); Fernandez, J (Fernandez, J.); Tinao, I (Tinao, I); Porter, J (Porter, J.)

PHYSICAL REVIEW E Volume: 100 Issue: 6 Article Number: 063103 DOI: 10.1103/PhysRevE.100.063103 Published: DEC 10 2019

[Hydrothermal ageing of graphene/carbon nanotubes/epoxy hybrid nanocomposites-Q1](#)

Arribas, C (Arribas, C.); Prolongo, MG (Prolongo, M. G.); Sanchez-Cabezudo, M (Sanchez-Cabezudo, M.); Moriche, R (Moriche, R.);

POLYMER DEGRADATION AND STABILITY Volume: 170 Article Number: 109003 DOI: 10.1016/j.polymdegradstab.2019.109003 Published: DEC 2019

[EFFICIENT PASSAGE-SPECTRAL METHOD FOR UNSTEADY FLOWS UNDER STALL CONDITIONS-](#)

Romera, D (Romera, David); Corral, R (Corral, Roque)

PROCEEDINGS OF THE ASME TURBO EXPO: TURBOMACHINERY TECHNICAL CONFERENCE AND EXPOSITION, 2019, VOL 2C Article Number: V02CT41A035 Published: 2019

[Second-order invariant domain preserving ALE approximation of hyperbolic systems-Q1](#)

Guermond, JL (Guermond, Jean-Luc); Popov, B (Popov, Bojan); Saavedra, L (Saavedra, Laura)

JOURNAL OF COMPUTATIONAL PHYSICS Volume: 401 Article Number: 108927 DOI: 10.1016/j.jcp.2019.108927 Published: JAN 15 2020

[A pyroelectric-based system for sensing low abundant lactose molecules-](#)

Rega, R (Rega, R.); Martinez, JFM (Munoz Martinez, J. F.); Mugnano, M (Mugnano, M.); Oleandro, E (Oleandro, E.); Gennari, O (Gennari, O.); Orlando, P (Orlando, P.); Cabassi, G (Cabassi, G.); Pelizzola, V (Pelizzola, V); Ferraro, P (Ferraro, P.); Grilli, S (Grilli, S.)

OPTICAL METHODS FOR INSPECTION, CHARACTERIZATION, AND IMAGING OF BIOMATERIALS IV Book Series: Proceedings of SPIE Volume: 11060 Article Number: UNSP 1106009 DOI: 10.1117/12.2531770 Published: 2019

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**ETSI Agronómica, Alimentaria y de Biosistemas**

[Trends and gaps in forecasting plant virus disease risk](#) – Q1

McLeish, MJ; Fraile, A; Garcia-Arenal, F

ANNALS OF APPLIED BIOLOGY

[Regional Systems for Agri-Food Innovation in Colombia: A Factor and Cluster Analysis for This Industry](#) – Q4

Arias, ME; Alarcon, S

CUADERNOS DE DESARROLLO RURAL

[Influence of egg weight and inclusion of oat hulls in the diet on digestive tract traits and growth performance of brown pullets reared under stress conditions](#) – Q1

Garcia, J; Fondevila, G; Camara, L; Scappaticcio, RE; Aguirre, L; Mateos, GG

POULTRY SCIENCE

[Competition games between teams vying for common resources under consensus dynamics on networks](#) - Q2

Lopez-Pina, A; Losada, JC; Benito, RM

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS

[Relationship between ideology and language in the Catalan independence context](#) – Q1

Atienza-Barthelemy, J; Martin-Gutierrez, S; Losada, JC; Benito, RM

SCIENTIFIC REPORTS

[Living green walls: Estimation of water requirements and assessment of irrigation management](#) – Q1

Segovia-Cardozo, DA; Rodriguez-Sinobas, L; Zubelzu, S

URBAN FORESTRY & URBAN GREENING

[Within-Host Multiplication and Speed of Colonization as Infection Traits Associated with Plant Virus Vertical Transmission](#) - Q1

Cobos, A; Montes, N; Lopez-Herranz, M; Gil-Valle, M; Pagan, I

JOURNAL OF VIROLOGY

[Editorial: Forest Genomics and Biotechnology](#) – Q1

Allona, I; Kirst, M; Boerjan, W; Strauss, S; Sederoff, R

FRONTIERS IN PLANT SCIENCE

[THE EFFECT OF FILAMENTS AND SEEDS ON THE VIRULENCE OF CUSCUTA CAMPESTRIS ON EGGPLANT](#) – Q4

Al-Gburi, BKH; Al-Sahaf, FH; Del-Monte, JP; Al-Fadhil, FA; Mohammed, AE

INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES

[CmVPS41 Is a General Gatekeeper for Resistance to Cucumber Mosaic Virus Phloem Entry in Melon](#) - Q1

Pascual, L; Yan, JQ; Pujol, M; Monforte, AJ; Pico, B; Martin-Hernandez, AM

FRONTIERS IN PLANT SCIENCE

[Simulation of the quantum Cournot duopoly game](#) – Q2

Alonso-Sanz, R

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS

[Influence of pyrolysis parameters on phosphorus fractions of biosolids derived biochar](#) – Q1

Adhikari, S; Gasco, G; Mendez, A; Surapaneni, A; Jegatheesan, V; Shah, K; Paz-Ferreiro, J

SCIENCE OF THE TOTAL ENVIRONMENT

[Gene Expression Changes and Community Turnover Differentially Shape the Global Ocean Metatranscriptome](#) – Q1

Salazar, G; Paoli, L; Alberti, A; Huerta-Cepas, J; et all.

CELL

[DEM analysis of the flow and friction of spherical particles in steel silos with corrugated walls](#) – Q1

Gallego, E; Fuentes, JM; Wicek, J; Villar, JR; Ayuga, F

POWDER TECHNOLOGY

[Lipid Thermal Fingerprints of Long-term Stored Seeds of Brassicaceae](#) – Q2

Mira, S; Nadarajan, J; Liu, U; Gonzalez-Benito, ME; Pritchard, HW

PLANTS-BASEL

[Study of Zn availability, uptake, and effects on earthworms of zinc oxide nanoparticle versus bulk applied to two agricultural soils: Acidic and calcareous](#) – Q1

Garcia-Gomez, C; Garcia-Gutierrez, S; Obrador, A; Fernandez, MD

CHEMOSPHERE

[CAN CHECK EROSION](#) – Q4

Lanchares, CG

MECHANICAL ENGINEERING

[The scarcity and distribution of rainfall drove the performance \(i.e., mitigation of N oxide emissions, crop yield and quality\) of calcium ammonium nitrate management in a wheat crop under rainfed semiarid conditions](#) – Q2

Guardia, G; Gonzalez-Murua, C; Fuertes-Mendizabal, T; Vallejo, A

ARCHIVES OF AGRONOMY AND SOIL SCIENCE



[Plant Regeneration via Somatic Embryogenesis in Mature Wild Olive Genotypes Resistant to the Defoliating Pathotype of \*Verticillium dahliae\*](#) – Q1

Narvaez, I; Martin, C; Jimenez-Diaz, RM; Mercado, JA; Pliego-Alfaro, F

FRONTIERS IN PLANT SCIENCE

[Addressing the Role of Landraces in the Sustainability of Mediterranean Agroecosystems](#) – Q2

Carranza-Gallego, G; Guzman, GI; Garcia-Ruiz, R; de Molina, MG; Aguilera, E

SUSTAINABILITY

[Transporters knowledge toward preslaughter logistic chain and occupational risks in Mexico: An integrative view with implications on sheep welfare](#) – Q2

Pulido, MA; Estevez-Moreno, LX; Villarroel, M; Mariezcurrena-Berasain, MA; Miranda-De la Lama, GC

JOURNAL OF VETERINARY BEHAVIOR-CLINICAL APPLICATIONS AND RESEARCH

[Local Changes in Chromatin Accessibility and Transcriptional Networks Underlying the Nitrate Response in \*Arabidopsis\* Roots](#) – Q1

Alvarez, JM; Moyano, TC; Zhang, T; Gras, DE; Herrera, FJ; Araus, V; O'Brien, JA; Carrillo, L; Medina, J; Vicente-Carbajosa, J; Jiang, JM; Gutierrez, RA

MOLECULAR PLANT

[Influence of the Hot-pressing Process on the Durability of \*Totora\* \(\*Schoenoplectus Californicus\* CA Mey. Sojak\) Binderless Boards against Wood-decaying Organisms](#)-Q2

Hidalgo-Cordero, JF (Hidalgo-Cordero, J. F.); De Troya, MT (De Troya, M. T.); Garcia-Navarro, J (Garcia-Navarro, J.)

JOURNAL OF NATURAL FIBERS DOI: 10.1080/15440478.2019.1701611 Early Access Date: DEC 2019

[MAGNETIC-TIME MODEL FOR TRITICALE SEEDS GERMINATION-Q3](#)

Alvarez, J (Alvarez, J.); Martinez, E (Martinez, E.); Carbonell, V (Carbonell, V); Florez, M (Florez, M.)

ROMANIAN JOURNAL OF PHYSICS Volume: 64 Issue: 9-10 Article Number: 822 Published: 2019

[Long-term effects of no tillage and Ca-amendment on the activity of soil proteases and beta-glucosidase in a Mediterranean agricultural field-Q2](#)

Vazquez, E (Vazquez, Eduardo); Benito, M (Benito, Marta); Masaguer, A (Masaguer, Alberto); Espejo, R (Espejo, Rafael); Diaz-Pines, E (Diaz-Pines, Eugenio); Teutscherova, N (Teutscherova, Nikola)

EUROPEAN JOURNAL OF SOIL BIOLOGY Volume: 95 Article Number: 103135 DOI: 10.1016/j.ejsobi.2019.103135 Published: NOVDEC 2019

[A stochastic generative model of the World Trade Network-Q1](#)

Garcia-Algarra, J (Garcia-Algarra, Javier); Mouronte-Lopez, ML (Luz Mouronte-Lopez, Mary); Galeano, J (Galeano, Javier)

SCIENTIFIC REPORTS Volume: 9 Article Number: 18539 DOI: 10.1038/s41598-019-54979-1 Published: DEC 6 2019

[Cross-sectoral implications of the implementation of irrigation water use efficiency policies in Spain: A nexus footprint approach-Q1](#)

Willaarts, BA (Willaarts, Barbara A.); Lechon, Y (Lechon, Yolanda); Mayor, B (Mayor, Beatriz); de la Rua, C (de la Rua, Cristina); Garrido, A (Garrido, Alberto)

ECOLOGICAL INDICATORS Volume: 109 Article Number: 105795 DOI: 10.1016/j.ecolind.2019.105795 Published: FEB 2020

[Evaluation of Commercial Humic Substances and Other Organic Amendments for the Immobilization of Copper Through <sup>13</sup>C CPMAS NMR, FT-IR, and DSC Analyses-Q1](#)

Mayans, B (Mayans, Begona); Perez-Esteban, J (Perez-Esteban, Javier); Escolastico, C (Escolastico, Consuelo); Eymar, E (Eymar, Enrique); Masaguer, A (Masaguer, Alberto)

AGRONOMY-BASEL Volume: 9 Issue: 11 Article Number: 762 DOI: 10.3390/agronomy9110762 Published: NOV 2019

[Effect of saliva composition and flow on inter-individual differences in the temporal perception of retronasal aroma during wine tasting-Q1](#)

Criado, C (Criado, Celia); Chaya, C (Chaya, Carolina); Fernandez-Ruiz, V (Fernandez-Ruiz, Virginia); Alvarez, MD (Dolores Alvarez, Maria); Herranz, B (Herranz, Beatriz); Pozo-Bayon, MA (Angeles Pozo-Bayon, Maria)

FOOD RESEARCH INTERNATIONAL Volume: 126 Article Number: 108677 DOI: 10.1016/j.foodres.2019.108677 Published: DEC 2019

[Chemical Composition, In Vitro Digestibility and Rumen Fermentation Kinetics of Agro-Industrial By-Products-Q1](#)

Garcia-Rodriguez, J (Garcia-Rodriguez, Jairo); Ranilla, MJ (Jose Ranilla, Maria); France, J (France, James); Alaiz-Moreton, H (Alaiz- Moreton, Hector); Carro, MD (Dolores Carro, Maria); Lopez, S (Lopez, Secundino)

ANIMALS Volume: 9 Issue: 11 Article Number: 861 DOI: 10.3390/ani9110861 Published: NOV 2019

[Advances and Applications in the Quest for Orthologs-Q1](#)

Glover, N (Glover, Natasha); Dessimoz, C (Dessimoz, Christophe); Ebersberger, I (Ebersberger, Ingo); Forslund, SK (Forslund, Sofia K.); Gabaldon, T (Gabaldon, Toni); Huerta-Cepas, J (Huerta-Cepas, Jaime); Martin, MJ (Martin, Maria-Jesus); Muffato, M (Muffato, Matthieu); Patricio, M (Patricio, Mateus); Pereira, C (Pereira, Cecile); et all.

MOLECULAR BIOLOGY AND EVOLUTION Volume: 36 Issue: 10 Pages: 2157-2164 DOI: 10.1093/molbev/msz150 Published: OCT 2019

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## ETSI Caminos, Canales y Puertos

[Analysis of Dam Behavior by Statistical Models: Application of the Random Forest Approach](#) – Q3

Belmokre, Ahmed; Mihoubi, Mustapha Kamel; Santillan, David

KSCE JOURNAL OF CIVIL ENGINEERING

[New Queuing Theory Applied to Port Terminals and Proposal for Practical Application in Container and Bulk Terminals](#) – Q1

de la Pena-Zarzuelo, Ignacio; Jesus Freire-Seoane, Maria; Lopez-Bermudez, Beatriz

JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING

[Flow regime aspects in determining environmental flows and maximising energy production at run-of-river hydropower plants](#) – Q1

Kuriqi, A; Pinheiro, AN; Sordo-Ward, A; Garrote, L

APPLIED ENERGY

[A depth-integrated SPH model for debris floods: application to Lo Wai \(Hong Kong\) debris flood of August 2005](#) – Q1

Lin, C; Pastor, M; Yague, A; Tayyebi, SM; Stickle, MM; Manzanal, D; Li, TC; Liu, XQ

GEOTECHNIQUE

[How do dietary choices affect the environment? The nitrogen footprint of the European Union and other dietary options](#) – Q1

Martinez, S; Delgado, MD; Marin, RM; Alvarez, S

ENVIRONMENTAL SCIENCE & POLICY

[Short-term performance appraisal of half-warm mix asphalt mixtures containing \(70%\) and total RAP contents \(100%\): From laboratory mix design to its full-scale implementation \(vol 170, 433, 2018\) - Q1](#)

Lizarraga, JM; Ramirez, A; Diaz, P; Marcobal, JR; Gallego, J

CONSTRUCTION AND BUILDING MATERIALS

[Prediction of Failure-Time for Soft Rock Tunnels based on Monitored Convergences](#)

Feng, XD; Jimenez, R

2019 3RD INTERNATIONAL WORKSHOP ON RENEWABLE ENERGY AND DEVELOPMENT (IWRED 2019)

[Addressing Long-Term Operational Risk Management in Port Docks under Climate Change Scenarios-A Spanish Case Study – Q2](#)

Campos, A; Garcia-Valdecasas, JM; Molina, R; Castillo, C; Alvarez-Fanjul, E; Staneva, J

WATER

[Flow regime aspects in determining environmental flows and maximising energy production at run-of-river hydropower plants – Q1](#)

Kuriqi, A; Pinheiro, AN; Sordo-Ward, A; Garrote, L

APPLIED ENERGY

[Delayed Weakening and Reactivation of Rate-and-State Faults Driven by Pressure Changes Due to Fluid Injection – Q1](#)

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

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[Impact of High-Speed Rail on Cultural Tourism Development: The Experience of the Spanish Museums and Monuments – Q2](#)

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[Modelling of a Nordic BWR containment and suppression pool behavior during a LOCA with GOTHIC 8.1 – Q2](#)

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[Service management in virtualization-based architectures for 5G systems with network slicing](#) – Q1

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[Deliberate practice in training differentiates the best Kenyan and Spanish long-distance runners](#) – Q2

Casado, A; Hanley, B; Ruiz-Perez, LM

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[Occupations, employment and profile of Graduates in Physical Activity and Sports Sciences in Spain](#)

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[Linked Democracy Foundations, Tools, and Applications Preface](#)

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LINKED DEMOCRACY: FOUNDATIONS, TOOLS, AND APPLICATIONS

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[Composite materials from totora \(Schoenoplectus californicus. CA Mey, Sojak\): Is it worth it?](#) – Q1

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[Morphology Clustering Software for AFM Images, Based on Particle Isolation and Artificial Neural Networks](#) – Q1

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[Embedding Sustainability Competences into Engineering Education. The Case of Informatics Engineering and Industrial Engineering Degree Programs at Spanish Universities](#) – Q2

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[Service management in virtualization-based architectures for 5G systems with network slicing](#) – Q1

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[Green Production of Glycerol Ketals with a Clay-Based Heterogeneous Acid Catalyst](#) – Q2

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[Mechanical behaviour of vinylester adhesive joints used in laminated material for steel structures](#) – Q1

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### [Large skewed bridge for high speed trains. Northwest of Spain](#)

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### [Consequences of long-term infrastructure decisions?the case of self-healing roads and their CO2 emissions – Q1](#)

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### [Robust Analysis of PM2.5 Concentration Measurements in the Ecuadorian Park La Carolina](#) – Q1

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**Centro de Automática y Robótica (CAR)**

[Behavior-Based Control for an Aerial Robotic Swarm in Surveillance Missions](#) – Q1

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

SENSORS

[Three-Link Inverted Pendulum for Human Balance Analysis: A Preliminary Study](#)

Lopes, JM; Moreira, L; Pinheiro, C; Sanz-Merodio, D; Figueiredo, J; Santos, CP; Garcia, E

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SENSORS

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MECHANISM AND MACHINE THEORY

[Application of immersive technologies and natural language to hyper-redundant robot teleoperation](#) – Q1

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

[Trends and gaps in forecasting plant virus disease risk](#) – Q1

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### [Automated Tool and Runtime Support for Fine-Grain Reconfiguration in Highly Flexible Reconfigurable Systems](#)

Zamacola, Rafael; Garcia Martinez, Alberto; Mora, Javier; Otero, Andres; de la Torre, Eduardo

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### [Blackbox Polytopic Model With Dynamic Weighting Functions for DC-DC Converters](#) – Q1

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**Centro de Estudios e Investigación para la Gestión de Riesgos Agrarios  
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[The scarcity and distribution of rainfall drove the performance \(i.e., mitigation of N oxide emissions, crop yield and quality\) of calcium ammonium nitrate management in a wheat crop under rainfed semiarid conditions – Q2](#)

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

[New Prospect in Road Traffic Energy Harvesting Using Lead-Free Piezoceramics-Q2](#)

Vazquez-Rodriguez, M (Vazquez-Rodriguez, Manuel); Jimenez, FJ (Jimenez, Francisco J.); Pardo, L (Pardo, Lorena); Ochoa, P

(Ochoa, Pilar); Gonzalez, AM (Gonzalez, Amador M.); de Frutos, J (de Frutos, Jose)

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## Centro Láser

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## Centro de Investigación de Materiales Estructurales (CIME)

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

### [Parallel Implementations Assessment of a Spatial-Spectral Classifier for Hyperspectral Clinical Applications](#) – Q1

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

[Informative variable identifier: Expanding interpretability in feature selection](#) – Q1

Munoz-Romero, S; Gorostiaga, A; Soguero-Ruiz, C; Mora-Jimenez, I; Rojo-Alvarez, JL

PATTERN RECOGNITION

[A dichotomy result about Hessenberg matrices associated with measures in the unit circle](#) – Q2

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**Centro de tecnología Biomédica CTB**

[Inferring correlations associated to causal interactions in brain signals using autoregressive models](#) – Q1

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