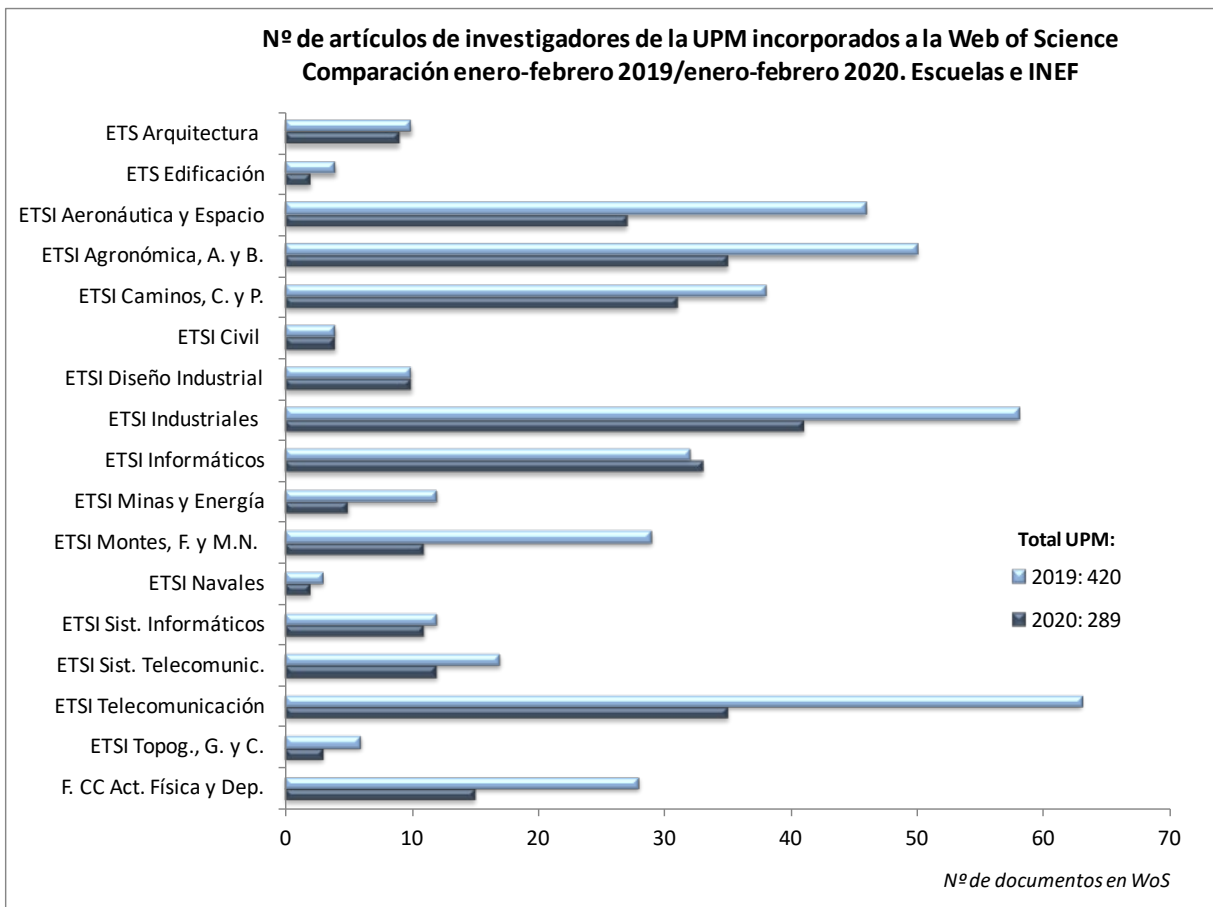


Seguimiento de la producción científica UPM en la Web of Science

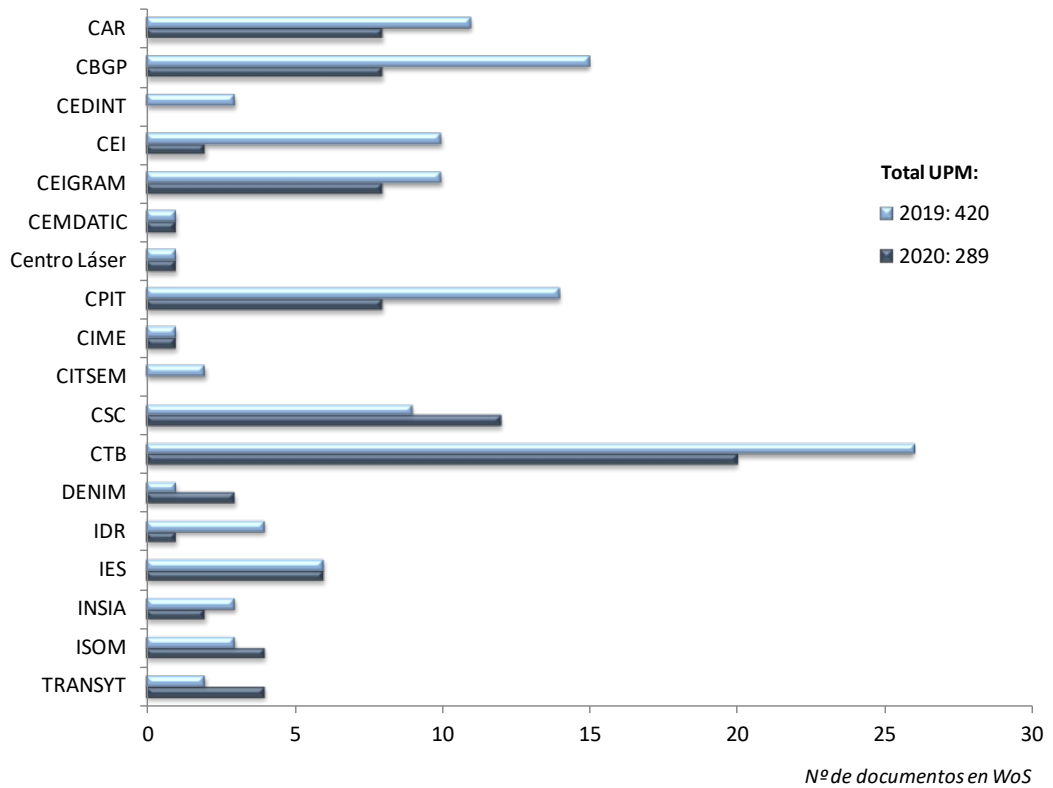
La **Web Of Science (WOS)** es una plataforma de la empresa Clarivate Analytics basada en tecnología web y formada por una amplia colección de bases de datos bibliográficas, citas y referencias de publicaciones científicas de cualquier disciplina del conocimiento –científico, tecnológico, humanístico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

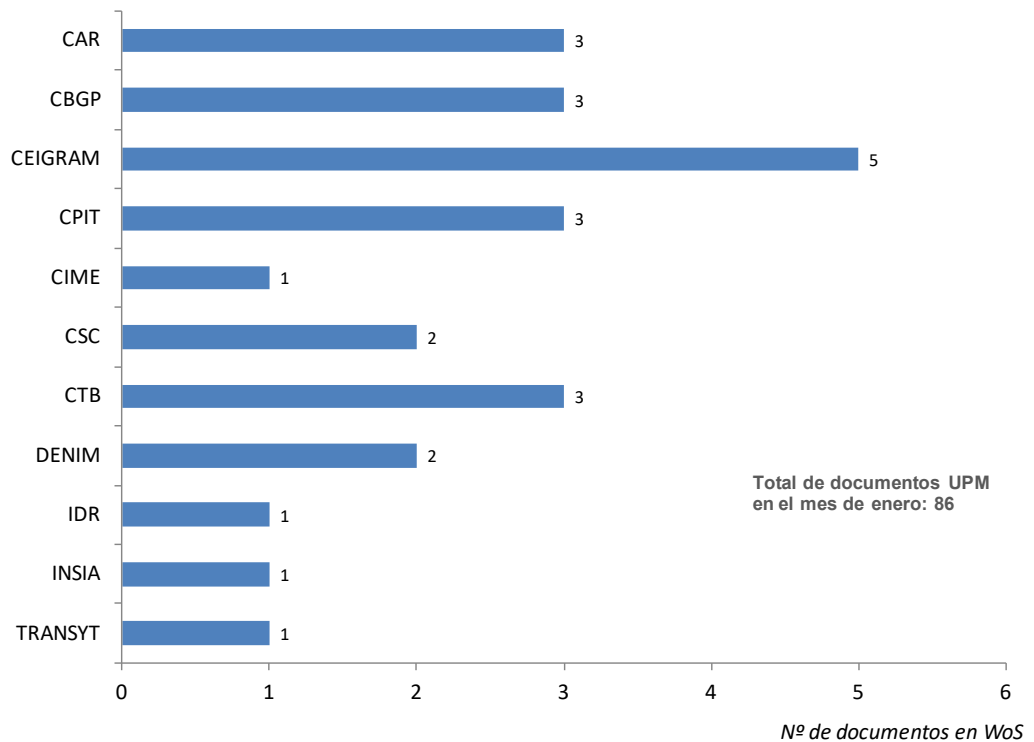
En los gráficos siguientes se presenta la comparativa 2018-2019 de los documentos de investigación de la Universidad Politécnica de Madrid (UPM) dados de alta en la Web of Science (WoS) para los centros docentes y los centros e institutos de I+D+i de la UPM acumulados hasta el mes actual. También, para los centros e institutos, se incluye un gráfico con los documentos del mes actual. Hay que señalar que, en todos los casos, 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.



**Nº de artículos de investigadores de la UPM incorporados a la Web of Science
Comparación enero-febrero 2019/enero-febrero 2020. Centros e Institutos de I+D+i**



**Nº de documentos UPM incorporados a la Web of Science. Febrero 2020.
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Documentos de investigación de la UPM incorporados a la Web of Science

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[ETS Ing. Diseño Industrial](#)
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[ETS Ing. Montes, Forestal y del Medio Natural](#)
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[ETSI Telecomunicación](#)
[ETSI Topografía, Geodesia y Cartografía](#)
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[ISOM](#)

ETS Arquitectura

[Zero cost conditioning techniques to improve the indoor environment of school buildings-Q4](#)

Gomez-Rubiera, EL (Larrumbide Gomez-Rubiera, Enrique); Sanchez-Torija, JG (Gallego Sanchez-Torija, Jorge); Frutos, CB (Bedoya Frutos, Cesar)

REVISTA DE LA CONSTRUCCION Volume: 18 Issue: 3 Pages: 525-535 DOI: 10.7764/RDLC.18.3.525 Published: DEC 2019

[Structure of Gauge-Invariant Lagrangians-Q1](#)

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MEDITERRANEAN JOURNAL OF MATHEMATICS Volume: 17 Issue: 1 Article Number: 29 DOI: 10.1007/s00009-019-1454- 3 Published: FEB 2020

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ETS Edificación

No hay documentos este mes.

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ETS Ingeniería Aeronáutica y del Espacio

[Hysteresis in the Vaporization-Controlled Inertial Regime of Nonpremixed Counterflow Spray Combustion](#)-Q2

Carpio, J (Carpio, Jaime); Martinez-Ruiz, D (Martinez-Ruiz, Daniel); Linan, A (Linan, Amable); S?nchez, AL (Sanchez, Antonio L.); Williams, FA (Williams, Forman A.)

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[Effect of the horizontal aspect ratio on thermocapillary convection stability in annular pool with surface heat dissipation](#)-Q1

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[Coherent structures in the turbulent channel flow of an elastoviscoplastic fluid](#)-Q1

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[Analyzing thermal convection in a two-dimensional circular annulus via spatio-temporal Koopman decomposition](#) – Q1

Umbria, JS (Sanchez Umbria, Juan); Net, M (Net, Marta); Vega, JM (Vega, Jose M.)

PHYSICA D-NONLINEAR PHENOMENA Volume: 402 Article Number: 132257 DOI: 10.1016/j.physd.2019.132257 Published: JAN 15 2020

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[Influence of Saccharomyces and non-Saccharomyces Yeasts in the Formation of Pyranoanthocyanins and Polymeric Pigments during Red Wine Making-Q2](#)

Morata, A (Morata, Antonio); Escott, C (Escott, Carlos); Loira, I (Loira, Iris); Del Fresno, JM (Manuel Del Fresno, Juan); Gonzalez, C (Gonzalez, Carmen); Suarez-Lepe, JA (Antonio Suarez-Lepe, Jose)

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[Remote sensing in an index-based insurance design for hedging economic impacts on rice cultivation-Q1](#)

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NATURAL HAZARDS AND EARTH SYSTEM SCIENCES Volume: 20 Issue: 1 Pages: 345-362
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[The oenological interest of fumaric acid: Stop malolactic fermentation and preserve the freshness of wines-](#)

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Source: 42ND WORLD CONGRESS OF VINE AND WINE Book Series: BIO Web of Conferences Volume: 15 Article Number: UNSP 02034 DOI:
10.1051/bioconf/20191502034 Published: 2019

[Protein-rich legume and pseudo-cereal crop suitability under present and future European climates-Q1](#)

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EUROPEAN JOURNAL OF AGRONOMY Volume: 113 Article Number: 125974 DOI:
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[The polarization of "La Manada": the public debate in Spain and the risks of digital political communication](#)-Q4

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TEMPO SOCIAL Volume: 31 Issue: 3 Pages: 193-216 DOI: 10.11606/0103-2070.TS.2019.159680 Published: SEP-DEC 2019

[Use of Ultra High Pressure Homogenization to sterilize grape must-](#)

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[Host Abundance and Identity Determine the Epidemiology and Evolution of a Generalist Plant Virus in a Wild Ecosystem](#)-Q1

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[Bringing the sharing-sparing debate down to the ground-Lessons learnt for participatory scenario development-Q1](#)

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[Barley production in Spain and Italy: Environmental comparison between different cultivation practices](#) – Q1

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[The phloem-pd: a distinctive brief sieve element stylet puncture prior to sieve element phase of aphid feeding behavior](#) – Q2

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[A comprehensive analysis of cooking solutions co-benefits at household level: Healthy lives and well-being, gender and climate change](#) – Q1

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[Feasibility Study of the Installation of Wave Energy Converters in Existing Breakwaters in the North of Spain](#)-Q2

Lacasa, MC (Carmen Lacasa, M.); Esteban, MD (Dolores Esteban, M.); Lopez-Gutierrez, JS (Lopez-Gutierrez, Jose-Santos); Negro, V (Negro, Vicente); Zang, ZP (Zang, Zhipeng)

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[Beneficial effects of a WC addition in FAST-densified tungsten](#)-Q1

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MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 772 Article Number: 138666 DOI: 10.1016/j.msea.2019.138666 Published: JAN 20 2020

[Green Synthesis of Biomass Phytic Acid-Functionalized UiO-66-NH₂ Hierarchical Hybrids toward Fire Safety of Epoxy Resin](#)-Q1

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[Should environmental constraints be considered in linear programming based water value calculators?](#)-Q1

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[Experimental behaviour of steel-concrete composite box girders subject bending, shear and torsion](#)-Q1

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[Influence of the stress state on the cross-slip free energy barrier in Al: An atomistic investigation](#)-Q1

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[High-Energy-Density Sodium-Ion Hybrid Capacitors Enabled by Interface-Engineered Hierarchical TiO₂ Nanosheet Anodes](#)-Q1

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[A criterion for slip transfer at grain boundaries in Al](#)-Q1

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Source: JOURNAL OF TRANSPORT GEOGRAPHY Volume: 82 Article Number: 102564 DOI: 10.1016/j.jtrangeo.2019.102564 Published: JAN 2020

[Unfolding the action mode of light and homogeneous vs. heterogeneous photo-Fenton in bacteria disinfection and concurrent elimination of micropollutants in urban wastewater, mediated by iron oxides in Raceway Pond Reactors-Q1](#)

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ETSI Civil

[Geronimus transformations for sequences of d-orthogonal polynomials](#) – Q2

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[Initial plasticity stages in Mg alloys containing Long-Period Stacking Ordered phases using High Resolution Digital Image Correlation \(HRDIC\) and in-situ synchrotron radiation-Q1](#)

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MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 772 Article Number: 138716 DOI: 10.1016/j.msea.2019.138716 Published: JAN 20 2020

[A Kinematic Controller for Liquid Pouring between Vessels Modelled with Smoothed Particle Hydrodynamics-Q2](#)

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[The discrete element method in silo/bin research. Recent advances and future trends-Q3](#)

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ETSI Industriales

[Gamma and Proton Irradiation Tests on a Piezoelectric Actuator-Q1](#)

Galvez, PS (Serrano Galvez, Pablo); Paiva, SAS (Solis Paiva, Santiago Andres); Guillermain, E (Guillermain, Elisa); Butcher, M (Butcher, Mark); Di Castro, M (Di Castro, Mario); Masi, A (Masi, Alessandro)

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[Effect of solid-state polymerization on the structure and properties of mechanically recycled poly\(lactic acid\)-Q1](#)

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[Exploring the emergence of lock-in in large-scale projects: A process view-Q1](#)

Hetemi, E (Hetemi, Ermal); Jerbrant, A (Jerbrant, Anna); Mere, JO (Ordieres Mere, Joaquin)

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[Hysteresis in the Vaporization-Controlled Inertial Regime of Nonpremixed Counterflow Spray Combustion-Q2](#)

Carpio, J (Carpio, Jaime); Martinez-Ruiz, D (Martinez-Ruiz, Daniel); Linan, A (Linan, Amable); S?nchez, AL (Sanchez, Antonio L.); Williams, FA (Williams, Forman A.)

COMBUSTION SCIENCE AND TECHNOLOGY Volume: 192 Issue: 3 Pages: 433-456 DOI:
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[Tribomechanical properties of hard Cr-doped DLC coatings deposited by low-frequency HiPIMS-Q1](#)

Santiago, JA (Santiago, J. A.); Fernandez-Martinez, I (Fernandez-Martinez, I.); Sanchez-Lopez, JC (Sanchez-Lopez, J. C.); Rojas, TC (Rojas, T. C.); Wennberg, A (Wennberg, A.); Bellido-Gonzalez, V (Bellido-Gonzalez, V.); Molina-Aldareguia, JM (Molina-Aldareguia, J. M.); Monclus, MA (Monclus, M. A.); Gonzalez-Arrabal, R (Gonzalez-Arrabal, R.)

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[Gamma and Proton Irradiation Tests on a Piezoelectric Actuator-Q1](#)

Galvez, PS (Galvez, Pablo Serrano); Paiva, SAS (Solis Paiva, Santiago Andres); Guillermain, E (Guillermain, Elisa); Butcher, M (Butcher, Mark); Di Castro, M (Di Castro, Mario); Masi, A (Masi, Alessandro)

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[New rocking column with control of negative stiffness displacement range and its application to RC frames-Q1](#)

Rios-Garcia, G (Rios-Garcia, G.); Benavent-Climent, A (Benavent-Climent, A.)

ENGINEERING STRUCTURES Volume: 206 Article Number: 110133 DOI: 10.1016/j.engstruct.2019.110133 Published: MAR 1 2020

[A tour-guide robot: Moving towards interaction with humans-Q1](#)

Vasquez, BPEA (Alvarado Vasquez, Biel Piero E.); Matia, F (Matia, Fernando)

Source: ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 88 Special Issue: SI Article Number: UNSP 103356 DOI: 10.1016/j.engappai.2019.103356 Published: FEB 2020

[Perception Sensors for Road Applications](#) – Q1

Jimenez, F (Jimenez, Felipe)

SENSORS Volume: 19 Issue: 23 Article Number: 5294 DOI: 10.3390/s19235294 DEC 2019

[Geronimus transformations for sequences of d-orthogonal polynomials](#) – Q2

Rolania, DB (Barrios Rolania, D.); Garcia-Ardila, JC (Garcia-Ardila, J. C.)

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[Formation of Hollow Gold Nanocrystals by Nanosecond Laser Irradiation](#) – Q1

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AND ASSOCIATED EQUIPMENT Volume: 955 Article Number: 163168 DOI:
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ETSI Informáticos

[Swarm Intelligence Models: Ant Colony Systems Applied to BNF Grammars Rule Derivation](#)-Q4

Lopez, LFD (de Mingo Lopez, Luis Fernando); Blas, NG (Gomez Blas, Nuria); Penuela, ALC (Castellanos Penuela, Angel Luis); Penuela, JBC (Castellanos Penuela, Juan Bautista)

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Book Group Author(s): ACM

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[Automated ore microscopy based on multispectral measurements of specular reflectance. I - A comparative study of some supervised classification techniques-Q1](#)

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ETS Ingeniería de Montes, Forestal y del Medio Natural

[Swarm Intelligence Models: Ant Colony Systems Applied to BNF Grammars Rule Derivation](#)-Q4

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ETSI Navales

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ETSI Sistemas Informáticos

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[A Linear Time Solution for N-Queens Problem Using Generalized Networks of Evolutionary Polarized Processors](#)-Q4

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[Enhancing Interaction with Augmented Reality through Mid-Air Haptic Feedback: Architecture Design and User Feedback-Q2](#)

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[Data analysis from cognitive games interaction in Smart TV applications for patients with Parkinson's, Alzheimer's, and other types of dementia-Q4](#)

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[Design and development of sign language questionnaires based on video and web interfaces-Q4](#)

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[Electronically Controllable Phase Shifter with Progressive Impedance Transformation at K Band-Q2](#)

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[Video Multimethod Assessment Fusion \(VMAF\) on 360VR Contents-Q3](#)

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[Reliability of Teams' Game-Related Statistics in Basketball: Number of Games Required and Minimal Detectable Change-Q2](#)

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Centro de Automática y Robótica (CAR)

[Energy-Efficient Indoor Localization WiFi-Fingerprint System: An Experimental Study](#)-Q1

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[Evaluating Indoor Positioning Systems in a Shopping Mall: The Lessons Learned From the IPIN 2018 Competition](#)-Q1

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[A Possible Role of the Aleurone Expressed Gene HvMAN1 in the Hydrolysis of the Cell Wall Mannans of the Starchy Endosperm in Germinating *Hordeum vulgare* L. Seeds](#)-Q1

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Centro de Domótica Integral (CEDINT)

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Centro de Electrónica Industrial (CEI)

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

[Remote sensing in an index-based insurance design for hedging economic impacts on rice cultivation-Q1](#)

Valverde-Arias, OR (Roberto Valverde-Arias, Omar); Esteve, P (Esteve, Paloma); Tarquis, AM (Maria Tarquis, Ana); Garrido, A (Garrido, Alberto)

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[Protein-rich legume and pseudo-cereal crop suitability under present and future European climates-Q1](#)

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[Bringing the sharing-sparing debate down to the ground-Lessons learnt for participatory scenario development-Q1](#)

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

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Centro Láser

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Centro de Investigación de Materiales Estructurales (CIME)

[Beneficial effects of a WC addition in FAST-densified tungsten-Q1](#)

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

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Centro en Procesado de la Información y Telecomunicaciones (CPIT)

[Enhancing Interaction with Augmented Reality through Mid-Air Haptic Feedback: Architecture Design and User Feedback-Q2](#)

Vaquero-Melchor, D (Vaquero-Melchor, Diego); Bernardos, AM (Bernardos, Ana M.)

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[Electronically Controllable Phase Shifter with Progressive Impedance Transformation at K Band-Q2](#)

ElKhorassani, MT (ElKhorassani, Mohamed T.); Palomares-Caballero, A (Palomares-Caballero, Angel); Alex-Amor, A (Alex-Amor, Antonio); Segura-Gomez, C (Segura-Gomez, Cleofas); Escobedo, P (Escobedo, Pablo); Valenzuela-Valdes, JF (Valenzuela-Valdes, Juan F.); Padilla, P (Padilla, Pablo)

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[Video Multimethod Assessment Fusion \(VMAF\) on 360VR Contents-Q3](#)

Orduna, M (Orduna, Marta); Diaz, C (Diaz, Cesar); Munoz, L (Munoz, Lara); Perez, P (Perez, Pablo); Benito, I (Benito, Ignacio); Garcia, N (Garcia, Narciso)

Source: IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Volume: 66 Issue: 1 Pages: 22-31 DOI: 10.1109/TCE.2019.2957987 Published: FEB 2020

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Centro de Investigación en Simulación Computacional (CSC)

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

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