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## Publicaciones

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### Publicaciones más relevantes en el año actual indexadas por Thomson Science Citation Index

#### **A Generalized Belief Entropy With Nonspecificity and Structural Conflict**

**Autor(es):** Zhou, Mi; Zhu, Shan-Shan; Chen, Yu-Wang; Wu, Jian; Herrera-Viedma, Enrique

**Fuente:** IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS 52 9 5532 5545 2022

#### **Deep Generative Models in the Industrial Internet of Things: A Survey**

**Autor(es):** De, Suparna; Bermudez-Edo, Maria; Xu, Honghui; Cai, Zhipeng

**Fuente:** IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 18 9 5728 5737 2022

#### **Big Data Architecture for Building Energy Management Systems**

**Autor(es):** Ruiz, M. Dolores; Gomez-Romero, Juan; Fernandez-Basso, Carlos; Martin-Bautista, Maria J.

**Fuente:** IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 18 9 5738 5747 2022

#### **Frequency and Longitudinal Course of Motor Signs in Genetic Frontotemporal Dementia**

**Autor(es):** Schoenecker, Sonja; Martinez-Murcia, Francisco J.; Rauchmann, Boris-Stephan; Franzmeier, Nicolai; Prix, Catharina; Wlasich, Elisabeth; Loosli, Sandra V.; Bochmann, Katja; Gorriz Saez, Juan-Manuel; Laforce, Robert, Jr.; Ducharme, Simon; Tartaglia, Maria Carmela; Finger, Elizabeth; de Mendonca, Alexandre; Santana, Isabel; Sanchez-Valle, Raquel; Moreno, Fermin; Sorbi, Sandro; Tagliavini, Fabrizio; Borroni, Barbara; Otto, Markus; Synofzik, Matthias; Galimberti, Daniela; Vandenberghe, Rik; van Swieten, John; Butler, Christopher; Gerhard, Alexander; Graff, Caroline; Danek, Adrian; Rohrer, Jonathan D.; Masellis, Mario; Rowe, James; Levin, Johannes

**Fuente:** NEUROLOGY 99 10 0 0 2022

#### **Properties of silver chloride and carbon screen printed patterns on different textiles**

**Autor(es):** Toral, Victor; Albrecht, Andreas; Castillo, Encarnacion; Garcia, Antonio; Becherer, Markus; Rivadeneyra, Almudena

**Fuente:** TEXTILE RESEARCH JOURNAL 92 15-16 2711 2718 2022

#### **Temperature of Conductive Nanofilaments in Hexagonal Boron Nitride Based Memristors Showing Threshold Resistive Switching**

**Autor(es):** Lanza, Mario; Palumbo, Felix; Shi, Yuanyuan; Aguirre, Fernando; Boyeras, Santiago; Yuan, Bin; Yalon, Eilam; Moreno, Enrique; Wu, Tianru; Roldan, Juan B.

**Fuente:** ADVANCED ELECTRONIC MATERIALS 8 8 0 0 2022

#### **Memristors with Initial Low-Resistive State for Efficient Neuromorphic Systems**

**Autor(es):** Zhu, Kaichen; Mahmoodi, Mohammad Reza; Fahimi, Zahra; Xiao, Yiping; Wang, Tao; Bukvisova, Kristyna; Kolibal, Miroslav; Roldan, Juan B.; Perez, David; Aguirre, Fernando; Lanza, Mario

**Fuente:** ADVANCED INTELLIGENT SYSTEMS 4 8 0 0 2022

#### **Performance of FDSOI double-gate dual-doped reconfigurable FETs**

**Autor(es):** Navarro, C.; Donetti, L.; Padilla, J. L.; Medina, C.; Avila, J.; Galdon, J. C.; Recio, M.; Marquez, C.; Sampedro, C.; Gamiz, F.

**Fuente:** SOLID-STATE ELECTRONICS 194 0 0 2022

**Study of TiN/Ti/HfO<sub>2</sub>/W resistive switching devices: characterization and modeling of the set and reset transitions using an external capacitor discharge**

**Autor(es):** Garcia, H.; Jimenez-Molinos, F.; Vinuesa, G.; Gonzalez, M. B.; Roldan, J. B.; Miranda, E.; Campabadal, F.; Castan, H.; Duenas, S.  
**Fuente:** SOLID-STATE ELECTRONICS 194 0 0 2022

**A compact model of the ZARC for circuit simulators in the frequency and time domains**

**Autor(es):** Lopez-Villanueva, Juan A.; Rodriguez-Iturriaga, Pablo; Parrilla, Luis; Rodriguez-Bolivar, Salvador  
**Fuente:** AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS 153 0 0 2022

**Consensus Reaching in Multiple Attribute Group Decision Making: A Multi-Stage Optimization Feedback Mechanism With Individual Bounded Confidences**

**Autor(es):** Zha, Quanbo; Dong, Yucheng; Chiclana, Francisco; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON FUZZY SYSTEMS 30 8 3333 3346 2022

**A Formulation of the Log-Logistic Distribution for Fading Channel Modeling**

**Autor(es):** Sanchez, Ivan; Javier Lopez-Martinez, Francisco  
**Fuente:** ELECTRONICS 11 15 0 0 2022

**On the Use of Quantum Reinforcement Learning in Energy-Efficiency Scenarios**

**Autor(es):** Andres, Eva; Pegalajar Cuellar, Manuel; Navarro, Gabriel  
**Fuente:** ENERGIES 15 16 0 0 2022

**Consistency-Driven Methodology to Manage Incomplete Linguistic Preference Relation: A Perspective Based on Personalized Individual Semantics**

**Autor(es):** Li, Cong-Cong; Dong, Yucheng; Chiclana, Francisco; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON CYBERNETICS 52 7 6170 6180 2022

**Bounded Confidence Evolution of Opinions and Actions in Social Networks**

**Autor(es):** Zhan, Min; Kou, Gang; Dong, Yucheng; Chiclana, Francisco; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON CYBERNETICS 52 7 7017 7028 2022

**An overview of artificial intelligence techniques for diagnosis of Schizophrenia based on magnetic resonance imaging modalities: Methods, challenges, and future works**

**Autor(es):** Sadeghi, Delaram; Shoeibi, Afshin; Ghassemi, Navid; Moridian, Parisa; Khadem, Ali; Alizadehsani, Roohallah; Teshnehlab, Mohammad; Gorriz, Juan M.; Khozeimeh, Fahime; Zhang, Yu-Dong; Nahavandi, Saeid; Acharya, U. Rajendra  
**Fuente:** COMPUTERS IN BIOLOGY AND MEDICINE 146 0 0 2022

**An experimental and simulation study of the role of thermal effects on variability in TiN/Ti/HfO<sub>2</sub>/W resistive switching nonlinear devices**

**Autor(es):** Maldonado, D.; Aguilera-Pedregosa, C.; Vinuesa, G.; Garcia, H.; Duenas, S.; Castan, H.; Aldana, S.; Gonzalez, M. B.; Moreno, E.; Jimenez-Molinos, F.; Campabadal, F.; Roldan, J. B.  
**Fuente:** CHAOS SOLITONS & FRACTALS 160 0 0 2022

**Dracon: An Open-Hardware Based Platform for Single-Chip Low-Cost Reconfigurable IoT Devices**

**Autor(es):** Parrilla, Luis; Garcia, Antonio; Castillo, Encarnacion; Alvarez-Bermejo, Jose Antonio; Lopez-Villanueva, Juan Antonio; Meyer-Baese, Uwe  
**Fuente:** ELECTRONICS 11 13 0 0 2022

**Cost-Sensitive Metaheuristic Optimization-Based Neural Network with Ensemble Learning for Financial Distress Prediction**

**Autor(es):** Safi, Salah Al-Deen; Castillo, Pedro A.; Faris, Hossam  
**Fuente:** APPLIED SCIENCES-BASEL 12 14 0 0 2022

**Thermal Perception in Naturally Ventilated University Buildings in Spain during the Cold Season**

**Autor(es):** Aguilar, Antonio J.; de la Hoz-Torres, Maria L.; Dolores Martinez-Aires, Maria; Ruiz, Diego P.  
**Fuente:** BUILDINGS 12 7 0 0 2022

**Identification of novel prostate cancer genes in patients stratified by Gleason classification: Role of antitumoral genes**

**Autor(es):** Diaz de la Guardia-Bolivar, Elisa; Barrios-Rodriguez, Rocio; Zwir, Igor; Juan Jimenez-Moleon, Jose; del Val, Coral  
**Fuente:** INTERNATIONAL JOURNAL OF CANCER 151 2 255 264 2022

**Graphene BioFET sensors for SARS-CoV-2 detection: a multiscale simulation approach**

**Autor(es):** Toral-Lopez, A.; Kokh, D. B.; Marin, E. G.; Wade, R. C.; Godoy, A.

**Fuente:** NANOSCALE ADVANCES 4 14 3065 3072 2022

**An analysis of occupational accidents involving national and international construction workers in Spain using the association rule technique**

**Autor(es):** Martinez-Rojas, Maria; Soto-Hidalgo, Jose Manuel; Martinez-Aires, Maria Dolores; Rubio-Romero, Juan Carlos

**Fuente:** INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS 28 3 1490 1501 2022

**Assessment of ventilation rates inside educational buildings in Southwestern Europe: Analysis of implemented strategic measures**

**Autor(es):** Aguilar, Antonio J.; de la Hoz-torres, Maria L.; Costa, Nelson; Arezes, Pedro; Martinez-Aires, Maria D.; Ruiz, Diego P.

**Fuente:** JOURNAL OF BUILDING ENGINEERING 51 0 0 2022

**Information consistent degree-based clustering method for large-scale group decision-making with linear uncertainty distributions information**

**Autor(es):** Xu, Yanxin; Gong, Zaiwu; Wei, Guo; Guo, Weiwei; Herrera-Viedma, Enrique

**Fuente:** INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS 37 6 3394 3439 2022

**Leveraging a Probabilistic PCA Model to Understand the Multivariate Statistical Network Monitoring Framework for Network Security Anomaly Detection**

**Autor(es):** Perez-Bueno, Fernando; Garcia, Luz; Macia-Fernandez, Gabriel; Molina, Rafael

**Fuente:** IEEE-ACM TRANSACTIONS ON NETWORKING 30 3 1217 1229 2022

**High-Accuracy Online Calibration Scheme for Large-Scale Integrated Photonic Interferometric Measurements**

**Autor(es):** Zhang Yi; Wang Kun; An Qichang; Hao, Yinlei; Meng Haoran; Liu Xinyue

**Fuente:** IEEE PHOTONICS JOURNAL 14 3 0 0 2022

**A fractional-order model for calendar aging with dynamic storage conditions**

**Autor(es):** Antonio Lopez-Villanueva, Juan; Rodriguez Iturriaga, Pablo; Rodriguez-Bolivar, Salvador

**Fuente:** JOURNAL OF ENERGY STORAGE 50 0 0 2022

**Reducing Criteria in Multicriteria Group Decision-Making Methods Using Hierarchical Clustering Methods and Fuzzy Ontologies**

**Autor(es):** Antonio Morente-Molinera, Juan; Wang, Yinglin; Gong, Zai-Wu; Morfeq, A.; Al-Hmouz, Rami; Herrera-Viedma, Enrique

**Fuente:** IEEE TRANSACTIONS ON FUZZY SYSTEMS 30 6 1585 1598 2022

**Social Trust Driven Consensus Reaching Model With a Minimum Adjustment Feedback Mechanism Considering Assessments-Modifications Willingness**

**Autor(es):** Zhang, Hengjie; Wang, Fang; Dong, Yucheng; Chiclana, Francisco; Herrera-Viedma, Enrique

**Fuente:** IEEE TRANSACTIONS ON FUZZY SYSTEMS 30 6 2019 2031 2022

**Deep Gaussian processes for multiple instance learning: Application to CT intracranial hemorrhage detection \***

**Autor(es):** Lopez-Perez, Miguel; Schmidt, Arne; Wu, Yunan; Molina, Rafael; Katsaggelos, Aggelos K.

**Fuente:** COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE 219 0 0 2022

**Subspace-constrained deconvolution of auditory evoked potentials**

**Autor(es):** de la Torre, Angel; Valderrama, Joaquin T.; Segura, Jose C.; Alvarez, Isaac M.; Garcia-Miranda, Jesus

**Fuente:** JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA 151 6 3745 3757 2022

**Theorem Verification of the Quantifier-Guided Dominance Degree with the Mean Operator for Additive Preference Relations**

**Autor(es):** Ramon Trillo, Jose; Javier Cabrerizo, Francisco; Chiclana, Francisco; Angeles Martinez, Maria; Mata, Francisco; Herrera-Viedma, Enrique

**Fuente:** MATHEMATICS 10 12 0 0 2022

**Memristive technologies for data storage, computation, encryption, and radio-frequency communication**

**Autor(es):** Lanza, Mario; Sebastian, Abu; Lu, Wei D.; Le Gallo, Manuel; Chang, Meng-Fan; Akinwande, Deji; Puglisi, Francesco M.; Alshareef, Husam N.; Liu, Ming; Roldan, Juan B.

**Fuente:** SCIENCE 376 6597 1066 0 2022

**DSNN: A DenseNet-Based SNN for Explainable Brain Disease Classification**

**Autor(es):** Zhu, Ziquan; Lu, Siyuan; Wang, Shui-Hua; Gorriz, Juan Manuel; Zhang, Yu-Dong

**Fuente:** FRONTIERS IN SYSTEMS NEUROSCIENCE 16 0 0 2022

**New insights into the evaluation of peripheral nerves lesions: a survival guide for beginners**

**Autor(es):** Martin-Noguerol, Teodoro; Barousse, Rafael; Luna, Antonio; Socolovsky, Mariano; Gorriz, Juan M.; Gomez-Rio, Manuel

**Fuente:** NEURORADIOLOGY 64 5 875 886 2022

**New insights into the evaluation of peripheral nerves lesions: a survival guide for beginners (vol 2022, pg, 2022)**  
**Autor(es):** Martin-Noguerol, Teodoro; Barousse, Rafael; Luna, Antonio; Socolovsky, Mariano; Gorriz, Juan M.; Gomez-Rio, Manuel  
**Fuente:** NEURORADIOLOGY 64 5 1077 1077 2022

**Quantifying Differences Between Affine and Nonlinear Spatial Normalization of FP-CIT Spect Images**

**Autor(es):** Castillo-Barnes, Diego; Jimenez-Mesa, Carmen; Martinez-Murcia, Francisco J.; Salas-Gonzalez, Diego; Ramirez, Javier; Gorriz, Juan M.  
**Fuente:** INTERNATIONAL JOURNAL OF NEURAL SYSTEMS 32 5 0 0 2022

**A Dynamic Feedback Mechanism With Attitudinal Consensus Threshold for Minimum Adjustment Cost in Group Decision Making**

**Autor(es):** Sun, Qi; Wu, Jian; Chiclana, Francisco; Fujita, Hamido; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON FUZZY SYSTEMS 30 5 1287 1301 2022

**Whole Body Vibration Exposure Transmitted to Drivers of Heavy Equipment Vehicles: A Comparative Case According to the Short-and Long-Term Exposure Assessment Methodologies Defined in ISO 2631-1 and ISO 2631-5**

**Autor(es):** De la Hoz-Torres, Maria L.; Aguilar, Antonio J.; Ruiz, Diego P.; Dolores Martinez-Aires, Ma  
**Fuente:** INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 19 9 0 0 2022

**Reopening higher education buildings in post-epidemic COVID-19 scenario: monitoring and assessment of indoor environmental quality after implementing ventilation protocols in Spain and Portugal**

**Autor(es):** de la Hoz-Torres, Maria L.; Aguilar, Antonio J.; Costa, Nelson; Arezes, Pedro; Ruiz, Diego P.; Dolores Martinez-Aires, Maria  
**Fuente:** INDOOR AIR 32 5 0 0 2022

**Capacity of Backscatter Communication Under Arbitrary Fading Dependence**

**Autor(es):** Rostami Ghadi, F.; Martin-Vega, F. J.; Lopez-Martinez, F. J.  
**Fuente:** IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 71 5 5593 5598 2022

**Development of a BIM-Based Framework Using Reverberation Time (BFRT) as a Tool for Assessing and Improving Building Acoustic Environment**

**Autor(es):** Aguilar, Antonio J.; de la Hoz-Torres, Maria L.; Martinez-Aires, Ma Dolores; Ruiz, Diego P.  
**Fuente:** BUILDINGS 12 5 0 0 2022

**A similarity measure for Straight Line Programs and its application to control diversity in Genetic Programming**

**Autor(es):** Rueda, R.; Cuellar, M. P.; Ruiz, L. G. B.; Pegalajar, M. C.  
**Fuente:** EXPERT SYSTEMS WITH APPLICATIONS 194 0 0 2022

**Table-Free Seed Generation for Hardware Newton-Raphson Square Root and Inverse Square Root Implementations in IoT Devices**

**Autor(es):** Parrilla, Luis; Lloris, Antonio; Castillo, Encarnacion; Garcia, Antonio  
**Fuente:** IEEE INTERNET OF THINGS JOURNAL 9 9 6985 6995 2022

**Mining high average-utility sequential rules to identify high-utility gene expression sequences in longitudinal human studies**

**Autor(es):** Segura-Delgado, Alberto; Anguita-Ruiz, Augusto; Alcalá, Rafael; Alcalá-Fdez, Jesus  
**Fuente:** EXPERT SYSTEMS WITH APPLICATIONS 193 0 0 2022

**Classification of Arabic healthcare questions based on word embeddings learned from massive consultations: a deep learning approach**

**Autor(es):** Faris, Hossam; Habib, Maria; Faris, Mohammad; Alomari, Alaa; Castillo, Pedro A.; Alomari, Manal  
**Fuente:** JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING 13 4 1811 1827 2022

**High-Luminance QD-LED Device With Digital and Dynamic Lighting Functions for Efficient Automotive Systems**

**Autor(es):** Santaella, Juan Jose; Rodriguez-Bolivar, S.; Puga-Pedregosa, L.; Gonzalez-Rico, A.; Marin-Gonzalez, M.; Gomez-Campos, Francisco Manuel  
**Fuente:** IEEE PHOTONICS JOURNAL 14 2 0 0 2022

**Heterogeneous Knowledge Learning of Predictive Academic Intelligence in Transportation**

**Autor(es):** Lu, Hao; Zhu, Yifan; Lin, Qika; Wang, Tan; Niu, Zhendong; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 23 4 3737 3755 2022

**Energy Harvesting and Energy Storage Systems**

**Autor(es):** Rajput, Shailendra; Averbukh, Moshe; Rodriguez, Noel  
**Fuente:** ELECTRONICS 11 7 0 0 2022

**Spam Reviews Detection in the Time of COVID-19 Pandemic: Background, Definitions, Methods and Literature Analysis**

**Autor(es):** Al-Zoubi, Ala' M.; Mora, Antonio M.; Faris, Hossam

**Fuente:** APPLIED SCIENCES-BASEL 12 7 0 0 2022

**Determination of the Severity and Percentage of COVID-19 Infection through a Hierarchical Deep Learning System**

**Autor(es):** Ortiz, Sergio; Rojas, Fernando; Valenzuela, Olga; Javier Herrera, Luis; Rojas, Ignacio

**Fuente:** JOURNAL OF PERSONALIZED MEDICINE 12 4 0 0 2022

**Analysis of the Reformulated Source to Drain Tunneling Probability for Improving the Accuracy of a Multisubband Ensemble Monte Carlo Simulator**

**Autor(es):** Luis Padilla, Jose; Medina-Bailon, Cristina; Palomares, Antonio; Donetti, Luca; Navarro, Carlos; Sampedro, Carlos; Gamiz, Francisco

**Fuente:** MICROMACHINES 13 4 0 0 2022

**Machine-Learning-Based Late Fusion on Multi-Omics and Multi-Scale Data for Non-Small-Cell Lung Cancer Diagnosis**

**Autor(es):** Carrillo-Perez, Francisco; Carlos Morales, Juan; Castillo-Secilla, Daniel; Gevaert, Olivier; Rojas, Ignacio; Javier Herrera, Luis

**Fuente:** JOURNAL OF PERSONALIZED MEDICINE 12 4 0 0 2022

**Comprehensive study on unipolar RRAM charge conduction and stochastic features: a simulation approach**

**Autor(es):** Maldonado, D.; Gomez-Campos, F. M.; Gonzalez, M. B.; Roldan, A. M.; Jimenez-Molinos, F.; Campabadal, F.; Roldan, J. B.

**Fuente:** JOURNAL OF PHYSICS D-APPLIED PHYSICS 55 15 0 0 2022

**Can a paid model for peer review be sustainable when the author can decide whether to pay or not?**

**Autor(es):** Garcia, J. A.; Rodriguez-Sanchez, Rosa; Fdez-Valdivia, J.

**Fuente:** SCIENTOMETRICS 127 3 1491 1514 2022

**A Vector Quantization-Based Spike Compression Approach Dedicated to Multichannel Neural Recording Microsystems**

**Autor(es):** Ahmadi-Dastgerdi, Nazanin; Hosseini-Nejad, Hossein; Amiri, Hadi; Shoeibi, Afshin; Gorriz, Juan Manuel

**Fuente:** INTERNATIONAL JOURNAL OF NEURAL SYSTEMS 32 3 0 0 2022

**Tiled Sparse Coding in Eigenspaces for Image Classification**

**Autor(es):** Arco, Juan E.; Ortiz, Andres; Ramirez, Javier; Zhang, Yu-Dong; Gorriz, Juan M.

**Fuente:** INTERNATIONAL JOURNAL OF NEURAL SYSTEMS 32 3 0 0 2022

**Stochastic Fading Channel Models With Multiple Dominant Specular Components**

**Autor(es):** Romero-Jerez, Juan M.; Javier Lopez-Martinez, F.; Pena-Martin, Juan P.; Abdi, Ali

**Fuente:** IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY 71 3 2229 2239 2022

**Functional Representation of the Intentional Bounded Rationality of Decision-Makers: A Laboratory to Study the Decisions a Priori**

**Autor(es):** Saenz-Royo, Carlos; Chiclana, Francisco; Herrera-Viedma, Enrique

**Fuente:** MATHEMATICS 10 5 0 0 2022

**A LoRaWAN Architecture for Communications in Areas without Coverage: Design and Pilot Trials**

**Autor(es):** Delgado-Ferro, Felix; Navarro-Ortiz, Jorge; Chinchilla-Romero, Natalia; Ramos-Munoz, Juan Jose

**Fuente:** ELECTRONICS 11 5 0 0 2022

**Reconfigurable Electronic Platforms: A Top-Down Approach to Learn about Design and Integration of Electronic Systems**

**Autor(es):** Rivadeneyra, Almudena; Romero, Francisco J.; Haider, Michael; Bhatt, Vijay D.; Salmeron, Jose F.; Rodriguez, Noel; Morales, Diego P.; Becherer, Markus

**Fuente:** MICROMACHINES 13 3 0 0 2022

**A LoRaWAN Network Architecture with MQTT2MULTICAST**

**Autor(es):** Navarro-Ortiz, Jorge; Chinchilla-Romero, Natalia; Delgado-Ferro, Felix; Jose Ramos-Munoz, Juan

**Fuente:** ELECTRONICS 11 6 0 0 2022

**Multi-Class Classifier in Parkinson's Disease Using an Evolutionary Multi-Objective Optimization Algorithm**

**Autor(es):** Rojas-Valenzuela, Ignacio; Valenzuela, Olga; Delgado-Marquez, Elvira; Rojas, Fernando

**Fuente:** APPLIED SCIENCES-BASEL 12 6 0 0 2022

**Detection of epileptic seizures on EEG signals using ANFIS classifier, autoencoders and fuzzy entropies**

**Autor(es):** Shoeibi, Afshin; Ghassemi, Navid; Khodatars, Marjane; Moridian, Parisa; Alizadehsani, Roohallah; Zare, Assef; Khosravi, Abbas; Subasi, Abdulhamit; Acharya, U. Rajendra; Gorriz, Juan M.

**Fuente:** BIOMEDICAL SIGNAL PROCESSING AND CONTROL 73 0 0 2022

**Variability estimation in resistive switching devices, a numerical and kinetic Monte Carlo perspective**

**Autor(es):** Maldonado, D.; Aldana, S.; Gonzalez, M. B.; Jimenez-Molinos, F.; Ibanez, M. J.; Barrera, D.; Campabadal, F.; Roldan, J. B.

**Fuente:** MICROELECTRONIC ENGINEERING 257 0 0 2022

**Band-like transport in "green" quantum dot films: The effect of composition and stoichiometry**

**Autor(es):** Rodosthenous, Panagiotis; Skibinsky-Gitlin, E. S.; Rodriguez-Bolivar, Salvador; Califano, Marco; Gomez-Campos, Francisco M.

**Fuente:** JOURNAL OF CHEMICAL PHYSICS 156 10 0 0 2022

**Multi-scale modeling of 2D GaSe FETs with strained channels**

**Autor(es):** Toral-Lopez, A.; Santos, H.; Marin, E. G.; Ruiz, F. G.; Palacios, J. J.; Godoy, A.

**Fuente:** NANOTECHNOLOGY 33 10 0 0 2022

**Metaheuristics "In the Large"**

**Autor(es):** Swan, Jerry; Adriaensen, Steven; Brownlee, Alexander E. I.; Hammond, Kevin; Johnson, Colin G.; Kheiri, Ahmed; Krawiec, Faustyna; Merelo, J. J.; Minku, Leandro L.; ozcan, Ender; Pappa, Gisele L.; Garcia-Sanchez, Pablo; Sorensen, Kenneth; Voss, Stefan; Wagner, Markus; White, David R.

**Fuente:** EUROPEAN JOURNAL OF OPERATIONAL RESEARCH 297 2 393 406 2022

**Scalable Variational Gaussian Processes for Crowdsourcing: Glitch Detection in LIGO**

**Autor(es):** Morales-Alvarez, Pablo; Ruiz, Pablo; Coughlin, Scott; Molina, Rafael; Katsaggelos, Aggelos K.

**Fuente:** IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE 44 3 1534 1551 2022

**NAGNN: Classification of COVID-19 based on neighboring aware representation from deep graph neural network**

**Autor(es):** Lu, Siyuan; Zhu, Ziquan; Manuel Gorriz, Juan; Wang, Shui-Hua; Zhang, Yu-Dong

**Fuente:** INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS 37 2 1572 1598 2022

**MVPALab: A machine learning decoding toolbox for multidimensional electroencephalography data**

**Autor(es):** Lopez-Garcia, David; Penalver, Jose M. G.; Gorriz, Juan M.; Ruz, Maria

**Fuente:** COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE 214 0 0 2022

**Light Reflectance Characterization of Waste Glass Coating for Tiles**

**Autor(es):** Mourou, Chaimae; Martin-Morales, Maria; Zamorano, Montserrat; Ruiz, Diego P.

**Fuente:** APPLIED SCIENCES-BASEL 12 3 0 0 2022

**Fine-Tuning BERT Models for Intent Recognition Using a Frequency Cut-Off Strategy for Domain-Specific Vocabulary Extension**

**Autor(es):** Fernandez-Martinez, Fernando; Luna-Jimenez, Cristina; Kleinlein, Ricardo; Griol, David; Callejas, Zoraida; Montero, Juan Manuel

**Fuente:** APPLIED SCIENCES-BASEL 12 3 0 0 2022

**GANBA: Generative Adversarial Network for Biometric Anti-Spoofing**

**Autor(es):** Gomez-Alanis, Alejandro; Gonzalez-Lopez, Jose A.; Peinado, Antonio M.

**Fuente:** APPLIED SCIENCES-BASEL 12 3 0 0 2022

**Constant Phase Element in the Time Domain: The Problem of Initialization**

**Autor(es):** Lopez-Villanueva, Juan Antonio; Rodriguez Bolivar, Salvador

**Fuente:** ENERGIES 15 3 0 0 2022

**3-D Metamaterials: Trends on Applied Designs, Computational Methods and Fabrication Techniques**

**Autor(es):** Alex-Amor, Antonio; Palomares-Caballero, Angel; Molero, Carlos

**Fuente:** ELECTRONICS 11 3 0 0 2022

**Science with Neutrino Telescopes in Spain**

**Autor(es):** Hernandez-Rey, Juan Jose; Ardid, Miguel; Bou Cabo, Manuel; Calvo, David; Diaz, Antonio F.; Gozzini, Sara Rebecca; Martinez-Mora, Juan A.; Navas, Sergio; Real, Diego; Greus, Francisco Salesa; Losa, Agustin Sanchez; Zornoza, Juan de Dios; Zuniga, Juan

**Fuente:** UNIVERSE 8 2 0 0 2022

**Optimal Fuzzy Controller Design for Autonomous Robot Path Tracking Using Population-Based Metaheuristics**

**Autor(es):** Mancilla, Alejandra; Garcia-Valdez, Mario; Castillo, Oscar; Merelo-Guervos, Juan Julian

**Fuente:** SYMMETRY-BASEL 14 2 0 0 2022

**Cool Surface Strategies with an Emphasis on the Materials Dimension: A Review**

**Autor(es):** Mourou, Chaimae; Zamorano, Montserrat; Ruiz, Diego P.; Martin-Morales, Maria

**Fuente:** APPLIED SCIENCES-BASEL 12 4 0 0 2022

**Selectivity of Relative Humidity Using a CP Based on S-Block Metal Ions**

**Autor(es):** Garcia-Garcia, Amalia; Toral, Victor; Quilez del Moral, Jose F.; Galisteo Pretel, Alberto; Morales, Diego P.; Salinas-Castillo, Alfonso; Cepeda, Javier; Choquesillo-Lazarte, Duane; Bobinger, Marco; Salmeron, Jose F.; Rivadeneyra, Almudena; Rodriguez-Dieguez, Antonio  
**Fuente:** SENSORS 22 4 0 0 2022

#### **Computational epidemiology study of homeostatic compensation during sensorimotor aging**

**Autor(es):** Luque, Niceto R.; Naveros, Francisco; Sheynikhovich, Denis; Ros, Eduardo; Arleo, Angelo  
**Fuente:** NEURAL NETWORKS 146 316 333 2022

#### **Time Series Forecasting for Energy Consumption**

**Autor(es):** Pegalajar, M. C.; Ruiz, L. G. B.  
**Fuente:** ENERGIES 15 3 0 0 2022

#### **A machine learning approach for semi-automatic assessment of IADL dependence in older adults with wearable sensors**

**Autor(es):** Garcia-Moreno, Francisco M.; Bermudez-Edo, Maria; Rodriguez-Garcia, Estefania; Manuel Perez-Marmol, Jose; Luis Garrido, Jose; Jose Rodriguez-Fortiz, Maria  
**Fuente:** INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS 157 0 0 2022

#### **Efficient inference models for classification problems with a high number of fuzzy rules**

**Autor(es):** Jara, Leonardo; Ariza-Valderrama, Ruben; Fernandez-Olivares, Juan; Gonzalez, Antonio; Perez, Raul  
**Fuente:** APPLIED SOFT COMPUTING 115 0 0 2022

#### **Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA**

**Autor(es):** Aiello, S.; Albert, A.; Alves Garre, S.; Aly, Z.; Ambrosone, A.; Ameli, F.; Andre, M.; Androulakis, G.; Anghinolfi, M.; Anguita, M.; Anton, G.; Ardid, M.; Ardid, S.; Aublin, J.; Bagatelas, C.; Baret, B.; du Pree, S. Basegmez; Bendahman, M.; Benfenati, F.; Berbee, E.; van den Berg, A. M.; Bertin, V.; Biagi, S.; Bissinger, M.; Boettcher, M.; Bou Cabo, M.; Boumaaza, J.; Bouta, M.; Bouwhuis, M.; Bozza, C.; Bruijn, R.; Brunner, J.; Bruno, R.; Buis, E.; Buompane, R.; Busto, J.; Caiffi, B.; Calvo, D.; Capone, A.; Carretero, V.; Castaldi, P.; Celli, S.; Chabab, M.; Chau, N.; Chen, A.; Cherubini, S.; Chiarella, V.; Chiarusi, T.; Circella, M.; Cocimano, R.; Coelho, J. A. B.; Coleiro, A.; Colomer Molla, M.; Coniglione, R.; Coyle, P.; Creusot, A.; Cruz, A.; Cuttone, G.; Dallier, R.; De Martino, B.; DePalma, M.; Di Marino, M.; DiPalma, I.; Diaz, A. F.; Diego-Tortosa, D.; Distefano, C.; Domi, A.; Donzaud, C.; Dornic, D.; Doerr, M.; Drouhin, D.; Eberl, T.; Eddyamoui, A.; van Eeden, T.; VanEijk, D.; El Bojaddaini, I.; Elsaesser, D.; Enzenhofer, A.; Espinosa, V.; Fermani, P.; Ferrara, G.; Filipovic, M. D.; Filippini, F.; Fusco, L. A.; Gal, T.; Soto, A. Garcia; Garufi, F.; Gatelet, Y.; Geisselbrecht, N.; Gialanella, L.; Giorgio, E.; Gozzini, S. R.; Gracia, R.; Graf, K.; Grasso, D.; Grella, G.; Guderian, D.; Guidi, C.; Haefner, J.; Hallmann, S.; Hamdaoui, H.; VanHaren, H.; Heijboer, A.; Hekalo, A.; Hennig, L.; Hernandez-Rey, J. J.; Hofestadt, J.; Huang, F.; Ibsalikh, W. Idrissi; Illuminati, G.; James, C. W.; de Jong, M.; de Jong, P.; Jung, B. J.; Kadler, M.; Kalekin, O.; Katz, U. F.; Chowdhury, N. R. Khan; Kistauri, G.; van der Knaap, F.; Kooijman, P.; Kouchner, A.; Kreter, M.; Kulikovskiy, V.; Lahmann, R.; Lamoureux, M.; Larosa, G.; Lastoria, C.; LeBreton, R.; LeStum, S.; Leonardi, O.; Leone, F.; Leonora, E.; Lessing, N.; Levi, G.; Lincetto, M.; Clark, M. Lindsey; Lipreau, T.; Longhitano, F.; Lopez-Coto, D.; Maderer, L.; Mannheim, K.; Margiotta, A.; Marinelli, A.; Markou, C.; Martin, L.; Martinez-Mora, J. A.; Martini, A.; Marzaioli, F.; Mastroianni, S.; Melis, K. W.; Miele, G.; Migliozi, P.; Migneco, E.; Mijakowski, P.; Miranda, L. S.; Mollo, C. M.; Morganti, M.; Moser, M.; Moussa, A.; Muller, R.; Musumeci, M.; Nauta, L.; Navas, S.; Nicolau, C. A.; Fearraigh, B. O.; O'Sullivan, M.; Organokov, M.; Orlando, A.; Palacios Gonzalez, J.; Papalashvili, G.; Papaleo, R.; Pastore, C.; Pellegrino, C.; Perrin-Terrin, M.; Pestel, V.; Piattelli, P.; Pieterse, C.; Pikounis, K.; Pisanti, O.; Poire, C.; Popa, V.; Pradier, T.; Puhlhofer, G.; Pulvirenti, S.; Rabyang, O.; Raffaelli, F.; Randazzo, N.; Razzaque, S.; Real, D.; Reck, S.; Riccobene, G.; Romanov, A.; Rovelli, A.; Greus, F. Salesa; Samtleben, D. F. E.; Losa, A. Sanchez; Sanguineti, M.; Santangelo, A.; Santonocito, D.; Sapienza, P.; Schnabel, J.; Schneider, M. F.; Schumann, J.; Schutte, H. M.; Seneca, J.; Sgura, I.; Shanidze, R.; Sharma, A.; Sinopoulou, A.; Spisso, B.; Spurio, M.; Stavropoulos, D.; Stellacci, S. M.; Taiuti, M.; Tayalati, Y.; Tenllado, E.; Thiersen, H.; Tingay, S.; Tsourapis, V.; Tzamariudaki, E.; Tzanetatos, D.; Van Elewycck, V.; Vasileiadis, G.; Versari, F.; Vivolo, D.; de Wasseige, G.; Wilms, J.; DeWolf, E.; Yousfi, T.; Zavatarelli, S.; Zegarelli, A.; Zito, D.; Zornoza, J. D.; Zuniga, J.; Zywuca, N.

**Fuente:** EUROPEAN PHYSICAL JOURNAL C 82 1 0 0 2022

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**Autor(es):** Yazidi, Anis; Pinto-Orellana, Marco Antonio; Hammer, Hugo; Mirtaheri, Peyman; Herrera-Viedma, Enrique  
**Fuente:** IEEE TRANSACTIONS ON CYBERNETICS 52 1 16 24 2022

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**Fuente:** SENSORS 22 1 0 0 2022

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**Autor(es):** Bueno Rodriguez, Angel; Balestrieri, Randall; De Angelis, Silvio; Carmen Benitez, M.; Zuccarello, Luciano; Baraniuk, Richard; Ibanez, Jesus M.; de Hoop, Maarten, V

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