

Esteban Jove

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

606
citations

623188

14
h-index

676716

22
g-index

84
all docs

84
docs citations

84
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Geothermal heat exchanger energy prediction based on time series and monitoring sensors optimization. Energy, 2019, 171, 49-60.	4.5	47
2	Modelling the hypnotic patient response in general anaesthesia using intelligent models. Logic Journal of the IGPL, 2019, 27, 189-201.	1.3	36
3	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. Sensors, 2019, 19, 2485.	2.1	35
4	Detección de anomalías basada en técnicas inteligentes de una planta de obtención de material bicomponente empleado en la fabricación de palas de aerogenerador. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 84.	0.6	35
5	A fault detection system based on unsupervised techniques for industrial control loops. Expert Systems, 2019, 36, e12395.	2.9	34
6	Anomaly detection based on one-class intelligent techniques over a control level plant. Logic Journal of the IGPL, 2020, 28, 502-518.	1.3	33
7	Power Cell SOC Modelling for Intelligent Virtual Sensor Implementation. Journal of Sensors, 2017, 2017, 1-10.	0.6	32
8	A Fault Detection System for a Geothermal Heat Exchanger Sensor Based on Intelligent Techniques. Sensors, 2019, 19, 2740.	2.1	29
9	A new method for anomaly detection based on non-convex boundaries with random two-dimensional projections. Information Fusion, 2021, 65, 50-57.	11.7	25
10	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. Informatica, 2019, 30, 671-687.	1.5	23
11	Missing data imputation over academic records of electrical engineering students. Logic Journal of the IGPL, 2020, 28, 487-501.	1.3	20
12	Hybrid model for the ANI index prediction using Remifentanil drug and EMG signal. Neural Computing and Applications, 2020, 32, 1249-1258.	3.2	17
13	Modeling of Bicomponent Mixing System Used in the Manufacture of Wind Generator Blades. Lecture Notes in Computer Science, 2014, , 275-285.	1.0	17
14	Machine learning techniques for computer-based decision systems in the operating theatre: application to analgesia delivery. Logic Journal of the IGPL, 2021, 29, 236-250.	1.3	15
15	Hybrid Intelligent Model to Predict the Remifentanil Infusion Rate in Patients Under General Anesthesia. Logic Journal of the IGPL, 2021, 29, 193-206.	1.3	15
16	Attempts Prediction by Missing Data Imputation in Engineering Degree. Advances in Intelligent Systems and Computing, 2018, , 167-176.	0.5	12
17	An Intelligent Model to Predict ANI in Patients Undergoing General Anesthesia. Advances in Intelligent Systems and Computing, 2018, , 492-501.	0.5	12
18	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. Logic Journal of the IGPL, 2022, 30, 679-694.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. <i>Electronics (Switzerland)</i> , 2022, 11, 422.	1.8	11
20	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. <i>Cybernetics and Systems</i> , 2020, 51, 649-667.	1.6	10
21	Intelligent model for active power prediction of a small wind turbine. <i>Logic Journal of the IGPL</i> , 0, , .	1.3	10
22	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. <i>Lecture Notes in Computer Science</i> , 2018, , 586-596.	1.0	8
23	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. <i>Processes</i> , 2019, 7, 825.	1.3	8
24	PID-ITS: An Intelligent Tutoring System for PID Tuning Learning Process. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 726-735.	0.5	8
25	One-Class-Based Intelligent Classifier for Detecting Anomalous Situations During the Anesthetic Process. <i>Logic Journal of the IGPL</i> , 2022, 30, 326-341.	1.3	8
26	A novel method for anomaly detection using beta Hebbian learning and principal component analysis. <i>Logic Journal of the IGPL</i> , 2023, 31, 390-399.	1.3	8
27	A comparative analysis of intelligent techniques to predict energy generated by a small wind turbine from atmospheric variables. <i>Logic Journal of the IGPL</i> , 2023, 31, 648-663.	1.3	8
28	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4644.	1.3	6
29	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2276.	1.3	6
30	An intelligent system for harmonic distortions detection in wind generator power electronic devices. <i>Neurocomputing</i> , 2021, 456, 609-621.	3.5	6
31	A Machine Learning Based System for Analgesic Drug Delivery. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 461-470.	0.5	6
32	A New Approach for System Malfunctioning over an Industrial System Control Loop Based on Unsupervised Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 415-425.	0.5	6
33	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. <i>Cybernetics and Systems</i> , 2023, 54, 286-305.	1.6	6
34	A hybrid intelligent classifier for anomaly detection. <i>Neurocomputing</i> , 2021, 452, 498-507.	3.5	4
35	Outlier Generation and Anomaly Detection Based on Intelligent One-Class Techniques over a Bicomponent Mixing System. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 399-410.	0.5	3
36	Hidrógeno y su almacenamiento: el futuro de la energía eléctrica. , 0, , .		3

#	ARTICLE	IF	CITATIONS
37	Small-Wind Turbine Power Generation Prediction from Atmospheric Variables Based on Intelligent Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 33-43.	0.5	3
38	Advanced Visualization of Intrusions in Flows by Means of Beta-Hebbian Learning. <i>Logic Journal of the IGPL</i> , 2022, 30, 1056-1073.	1.3	3
39	A hybrid one-class approach for detecting anomalies in industrial systems. <i>Expert Systems</i> , 0, , .	2.9	3
40	Remifentanil Dose Prediction for Patients During General Anesthesia. <i>Lecture Notes in Computer Science</i> , 2018, , 537-546.	1.0	2
41	Anomaly Detection on Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 141-152.	0.5	2
42	Beta-Hebbian Learning for Visualizing Intrusions in Flows. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 446-459.	0.5	2
43	Sensor Fault Detection and Recovery Methodology for a Geothermal Heat Exchanger. <i>Lecture Notes in Computer Science</i> , 2018, , 171-184.	1.0	2
44	A distributed topology for identifying anomalies in an industrial environment. <i>Neural Computing and Applications</i> , 2022, 34, 20463-20476.	3.2	2
45	Hybrid Model to Calculate the State of Charge of a Battery. <i>Lecture Notes in Computer Science</i> , 2021, , 379-390.	1.0	1
46	Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. <i>Lecture Notes in Networks and Systems</i> , 2022, , 249-260.	0.5	1
47	Inferring Knowledge from Clinical Data for Anesthesia Automation. <i>Lecture Notes in Computer Science</i> , 2019, , 480-491.	1.0	1
48	Prediction of Student Performance Through an Intelligent Hybrid Model. <i>Lecture Notes in Computer Science</i> , 2019, , 710-721.	1.0	1
49	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 66-75.	0.5	1
50	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 317-328.	0.5	1
51	Prediction of Small-Wind Turbine Performance from Time Series Modelling Using Intelligent Techniques. <i>Lecture Notes in Computer Science</i> , 2020, , 541-548.	1.0	1
52	P1034Frequency domain analysis of surface ECG enables distinction of patients with brugada syndrome. <i>Europace</i> , 2017, 19, iii222-iii223.	0.7	0
53	USING COVID-19 FOR A TEACHING EXPERIENCE IN DESIGN THINKING IN ENGINEERING DEGREES. <i>INTED Proceedings</i> , 2021, , .	0.0	0
54	RECENT ADVANCES IN THE APPLICATION OF DATA SCIENCE TO INDUSTRIAL CYBERSECURITY. <i>Dyna (Spain)</i> , 2021, 96, 231-232.	0.1	0

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55	Implementaci3n virtual de pr1cticas de asignaturas de control como alternativa a las pr1cticas de laboratorio presenciales. , 2021, , 259-268.		0
56	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. Advances in Intelligent Systems and Computing, 2022, , 23-32.	0.5	0
57	Detection of Denial of Service Attacks in an MQTT Environment Using a One-Class Approach. Advances in Intelligent Systems and Computing, 2022, , 84-93.	0.5	0
58	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. Advances in Intelligent Systems and Computing, 2022, , 315-324.	0.5	0
59	Analysis of the Seasonality in a Geothermal System Using Projectionist and Clustering Methods. Lecture Notes in Computer Science, 2021, , 500-510.	1.0	0
60	Detection of DoS Attacks in an IoT Environment with MQTT Protocol Based on Intelligent Binary Classifiers. Engineering Proceedings, 2021, 7, 16.	0.4	0
61	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. Lecture Notes in Computer Science, 2019, , 492-503.	1.0	0
62	A Global Classifier Implementation for Detecting Anomalies by Using One-Class Techniques over a Laboratory Plant. Advances in Intelligent Systems and Computing, 2020, , 149-160.	0.5	0
63	An Energy Storage System. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 337-356.	0.3	0
64	Dise1o de un gemelo digital para el gestor de operaciones de una lavander1a industrial. , 0, ,		0
65	Sistema h1brido para la predicci3n del funcionamiento de una celda de combustible basada en hidr3geno, empleada en el almacenamiento de energ1a. , 0, ,		0
66	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. Advances in Intelligent Systems and Computing, 2021, , 355-365.	0.5	0
67	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. Advances in Intelligent Systems and Computing, 2021, , 282-292.	0.5	0
68	A Hybrid One-Class Topology for Non-convex Sets. Lecture Notes in Computer Science, 2020, , 341-349.	1.0	0
69	A Solar Thermal System Temperature Prediction of a Smart Building for Data Recovery and Security Purposes. Lecture Notes in Computer Science, 2020, , 468-476.	1.0	0
70	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. Lecture Notes in Computer Science, 2020, , 329-340.	1.0	0
71	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. Lecture Notes in Computer Science, 2020, , 533-540.	1.0	0
72	Sistema de pr1cticas virtuales como alternativa al laboratorio presencial en asignaturas de Ingenier1a de Contro. , 2021, ,		0

#	ARTICLE	IF	CITATIONS
73	Experiencia de docencia basada en proyectos usando la música como elemento principal para la asignatura de Fundamentos de Electrónica. , 0, , 191-206.		0
74	Correction to: Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. Lecture Notes in Networks and Systems, 2022, , C1-C1.	0.5	0
75	BLENDED LEARNING APPROACH USING VIRTUALIZATION SOFTWARE FOR CONTROL ENGINEERING EDUCATION. INTED Proceedings, 2022, , .	0.0	0
76	Creación de laboratorios virtuales para asignaturas de control con Factory I/O® y Simulink®. , 2022, , .		0