Esteban Jove

List of Publications by Year in Descending Order

67 papers	423 citations	12 h-index	18 g-index
84 ext. papers	492 ext. citations	1.5 avg, IF	4.27 L-index

#	Paper	IF	Citations
67	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. *Electronics (Switzerland)*, **2022**, 11, 422	2.6	1
66	Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. *Lecture Notes in Networks and Systems*, **2022**, 249-260	0.5	0
65	A Virtual Sensor for a Cell Voltage Prediction of a Proton-Exchange Membranes Based on Intelligent Techniques. *Lecture Notes in Networks and Systems*, **2022**, 240-248	0.5	
64	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. *Advances in Intelligent Systems and Computing*, **2022**, 23-32	0.4	
63	Detection of Denial of Service Attacks in an MQTT Environment Using a One-Class Approach. *Advances in Intelligent Systems and Computing*, **2022**, 84-93	0.4	
62	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. *Advances in Intelligent Systems and Computing*, **2022**, 315-324	0.4	
61	Virtual Implementation of Practical Control Subjects as an Alternative to Face-to-Face Laboratory Lessons. *Advances in Intelligent Systems and Computing*, **2022**, 254-263	0.4	
60	A Novel Proposal for ́Estimating PID Parameters Based on ́Centroids. *Lecture Notes in Electrical Engineering*, **2022**, 532-541	0.2	
59	Detection of DoS Attacks in an IoT Environment with MQTT Protocol Based on Intelligent Binary Classifiers. *Engineering Proceedings*, **2021**, 7, 16	0.5	
58	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. *Advances in Intelligent Systems and Computing*, **2021**, 66-75	0.4	
57	Small-Wind Turbine Power Generation Prediction from Atmospheric Variables Based on Intelligent Techniques. *Advances in Intelligent Systems and Computing*, **2021**, 33-43	0.4	2
56	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. *Advances in Intelligent Systems and Computing*, **2021**, 317-328	0.4	0
55	Demand Control Ventilation Strategy by Tracing the Radon Concentration in Smart Buildings. *Advances in Intelligent Systems and Computing*, **2021**, 374-382	0.4	1
54	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. *Advances in Intelligent Systems and Computing*, **2021**, 355-365	0.4	
53	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. *Advances in Intelligent Systems and Computing*, **2021**, 282-292	0.4	
52	Beta-Hebbian Learning for Visualizing Intrusions in Flows. *Advances in Intelligent Systems and Computing*, **2021**, 446-459	0.4	1
51	RECENT ADVANCES IN THE APPLICATION OF DATA SCIENCE TO INDUSTRIAL CYBERSECURITY. *Dyna (Spain)*, **2021**, 96, 231-232	0.4	

50	An intelligent system for harmonic distortions detection in wind generator power electronic devices. *Neurocomputing*, **2021**, 456, 609-609	5.4	3
49	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	8
48	A new method for anomaly detection based on non-convex boundaries with random two-dimensional projections. *Information Fusion*, **2021**, 65, 50-57	16.7	18
47	Hybrid Intelligent Model to Predict the Remifentanil Infusion Rate in Patients Under General Anesthesia. *Logic Journal of the IGPL*, **2021**, 29, 193-206	1	7
46	Hybrid Model to Calculate the State of Charge of a Battery. *Lecture Notes in Computer Science*, **2021**, 379-390	0.9	
45	A hybrid intelligent classifier for anomaly detection. *Neurocomputing*, **2021**, 452, 498-507	5.4	2
44	Analysis of the Seasonality in a Geothermal System Using Projectionist and Clustering Methods. *Lecture Notes in Computer Science*, **2021**, 500-510	0.9	
43	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. *Applied Sciences (Switzerland)*, **2020**, 10, 2276	2.6	5
42	A Solar Thermal System Temperature Prediction of a Smart Building for Data Recovery and Security Purposes. *Lecture Notes in Computer Science*, **2020**, 468-476	0.9	
41	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. *Lecture Notes in Computer Science*, **2020**, 329-340	0.9	
40	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. *Lecture Notes in Computer Science*, **2020**, 533-540	0.9	
39	A Fault Detection System for Power Cells During Capacity Confirmation Test Through a Global One-Class Classifier. *Lecture Notes in Computer Science*, **2020**, 477-484	0.9	
38	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	1.5	28
37	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	0.4	
36	An Energy Storage System. *Advances in Environmental Engineering and Green Technologies Book Series*, **2020**, 337-356	0.4	
35	A Hybrid One-Class Topology for Non-convex Sets. *Lecture Notes in Computer Science*, **2020**, 341-349	0.9	
34	Prediction of Small-Wind Turbine Performance from Time Series Modelling Using Intelligent Techniques. *Lecture Notes in Computer Science*, **2020**, 541-548	0.9	1
33	Missing data imputation over academic records of electrical engineering students. *Logic Journal of the IGPL*, **2020**, 28, 487-501	1	19

32	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. *Applied Sciences (Switzerland)*, **2020**, 10, 4644	2.6	1
31	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. *Cybernetics and Systems*, **2020**, 51, 649-667	1.9	7
30	Anomaly detection based on one-class intelligent techniques over a control level plant. *Logic Journal of the IGPL*, **2020**, 28, 502-518	1	26
29	Outlier Generation and Anomaly Detection Based on Intelligent One-Class Techniques over a Bicomponent Mixing System. *Advances in Intelligent Systems and Computing*, **2020**, 399-410	0.4	3
28	Anomaly Detection on Patients Undergoing General Anesthesia. *Advances in Intelligent Systems and Computing*, **2020**, 141-152	0.4	1
27	Hybrid model for the ANI index prediction using Remifentanil drug and EMG signal. *Neural Computing and Applications*, **2020**, 32, 1249-1258	4.8	13
26	A Fault Detection System for a Geothermal Heat Exchanger Sensor Based on Intelligent Techniques. *Sensors*, **2019**, 19,	3.8	21
25	Modelling the hypnotic patient response in general anaesthesia using intelligent models. *Logic Journal of the IGPL*, **2019**, 27, 189-201	1	34
24	A fault detection system based on unsupervised techniques for industrial control loops. *Expert Systems*, **2019**, 36, e12395	2.1	28
23	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. *Sensors*, **2019**, 19,	3.8	26
22	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. *Informatica*, **2019**, 30, 671-687	2.9	11
21	Prediction of Student Performance Through an Intelligent Hybrid Model. *Lecture Notes in Computer Science*, **2019**, 710-721	0.9	1
20	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. *Lecture Notes in Computer Science*, **2019**, 492-503	0.9	
19	Study of Data Pre-processing for Short-Term Prediction of Heat Exchanger Behaviour Using Time Series. *Lecture Notes in Computer Science*, **2019**, 38-49	0.9	
18	Inferring Knowledge from Clinical Data for Anesthesia Automation. *Lecture Notes in Computer Science*, **2019**, 480-491	0.9	1
17	A New Approach for System Malfunctioning over an Industrial System Control Loop Based on Unsupervised Techniques. *Advances in Intelligent Systems and Computing*, **2019**, 415-425	0.4	6
16	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. *Processes*, **2019**, 7, 825	2.9	6
15	Geothermal heat exchanger energy prediction based on time series and monitoring sensors optimization. *Energy*, **2019**, 171, 49-60	7.9	31

LIST OF PUBLICATIONS

14	Bioclimatic House Heat Exchanger Behavior Prediction with Time Series Modeling. *Advances in Intelligent Systems and Computing*, **2018**, 112-124	0.4	
13	Remifentanil Dose Prediction for Patients During General Anesthesia. *Lecture Notes in Computer Science*, **2018**, 537-546	0.9	2
12	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. *Lecture Notes in Computer Science*, **2018**, 586-596	0.9	5
11	Attempts Prediction by Missing Data Imputation in Engineering Degree. *Advances in Intelligent Systems and Computing*, **2018**, 167-176	0.4	11
10	A Machine Learning Based System for Analgesic Drug Delivery. *Advances in Intelligent Systems and Computing*, **2018**, 461-470	0.4	3
9	An Intelligent Model to Predict ANI in Patients Undergoing General Anesthesia. *Advances in Intelligent Systems and Computing*, **2018**, 492-501	0.4	11
8	PID-ITS: An Intelligent Tutoring System for PID Tuning Learning Process. *Advances in Intelligent Systems and Computing*, **2018**, 726-735	0.4	7
7	Sensor Fault Detection and Recovery Methodology for a Geothermal Heat Exchanger. *Lecture Notes in Computer Science*, **2018**, 171-184	0.9	2
6	Power Cell SOC Modelling for Intelligent Virtual Sensor Implementation. *Journal of Sensors*, **2017**, 2017, 1-10	2	27
5	Modeling of Bicomponent Mixing System Used in the Manufacture of Wind Generator Blades. *Lecture Notes in Computer Science*, **2014**, 275-285	0.9	17
4	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. *Cybernetics and Systems*,1-20	1.9	5
3	Diseño de controladores PID		2
2	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. *Logic Journal of the IGPL*,	1	6
1	A hybrid one-class approach for detecting anomalies in industrial systems. *Expert Systems*,	2.1	1