

# Esteban Jove

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Modelling the hypnotic patient response in general anaesthesia using intelligent models. <i>Logic Journal of the IGPL</i> , <b>2019</b> , 27, 189-201	1	34
66	Geothermal heat exchanger energy prediction based on time series and monitoring sensors optimization. <i>Energy</i> , <b>2019</b> , 171, 49-60	7.9	31
65	A fault detection system based on unsupervised techniques for industrial control loops. <i>Expert Systems</i> , <b>2019</b> , 36, e12395	2.1	28
64	Detección de anomalías basada en técnicas inteligentes de una planta de obtención de material bicomponente empleado en la fabricación de palas de aerogenerador. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , <b>2020</b> , 17, 84	1.5	28
63	Power Cell SOC Modelling for Intelligent Virtual Sensor Implementation. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-10	2	27
62	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. <i>Sensors</i> , <b>2019</b> , 19,	3.8	26
61	Anomaly detection based on one-class intelligent techniques over a control level plant. <i>Logic Journal of the IGPL</i> , <b>2020</b> , 28, 502-518	1	26
60	A Fault Detection System for a Geothermal Heat Exchanger Sensor Based on Intelligent Techniques. <i>Sensors</i> , <b>2019</b> , 19,	3.8	21
59	Missing data imputation over academic records of electrical engineering students. <i>Logic Journal of the IGPL</i> , <b>2020</b> , 28, 487-501	1	19
58	A new method for anomaly detection based on non-convex boundaries with random two-dimensional projections. <i>Information Fusion</i> , <b>2021</b> , 65, 50-57	16.7	18
57	Modeling of Bicomponent Mixing System Used in the Manufacture of Wind Generator Blades. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 275-285	0.9	17
56	Hybrid model for the ANI index prediction using Remifentanyl drug and EMG signal. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 1249-1258	4.8	13
55	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. <i>Informatica</i> , <b>2019</b> , 30, 671-687	2.9	11
54	Attempts Prediction by Missing Data Imputation in Engineering Degree. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 167-176	0.4	11
53	An Intelligent Model to Predict ANI in Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 492-501	0.4	11
52	Machine learning techniques for computer-based decision systems in the operating theatre: application to analgesia delivery. <i>Logic Journal of the IGPL</i> , <b>2021</b> , 29, 236-250	1	8
51	PID-ITS: An Intelligent Tutoring System for PID Tuning Learning Process. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 726-735	0.4	7

50	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. <i>Cybernetics and Systems</i> , <b>2020</b> , 51, 649-667	1.9	7
49	Hybrid Intelligent Model to Predict the Remifentanil Infusion Rate in Patients Under General Anesthesia. <i>Logic Journal of the IGPL</i> , <b>2021</b> , 29, 193-206	1	7
48	A New Approach for System Malfunctioning over an Industrial System Control Loop Based on Unsupervised Techniques. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 415-425	0.4	6
47	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. <i>Processes</i> , <b>2019</b> , 7, 825	2.9	6
46	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. <i>Logic Journal of the IGPL</i> ,	1	6
45	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2276	2.6	5
44	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 586-596	0.9	5
43	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. <i>Cybernetics and Systems</i> , 1-20	1.9	5
42	A Machine Learning Based System for Analgesic Drug Delivery. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 461-470	0.4	3
41	An intelligent system for harmonic distortions detection in wind generator power electronic devices. <i>Neurocomputing</i> , <b>2021</b> , 456, 609-609	5.4	3
40	Outlier Generation and Anomaly Detection Based on Intelligent One-Class Techniques over a Bicomponent Mixing System. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 399-410	0.4	3
39	Remifentanil Dose Prediction for Patients During General Anesthesia. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 537-546	0.9	2
38	Diseño de controladores PID		2
37	Small-Wind Turbine Power Generation Prediction from Atmospheric Variables Based on Intelligent Techniques. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 33-43	0.4	2
36	Sensor Fault Detection and Recovery Methodology for a Geothermal Heat Exchanger. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 171-184	0.9	2
35	A hybrid intelligent classifier for anomaly detection. <i>Neurocomputing</i> , <b>2021</b> , 452, 498-507	5.4	2
34	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 422	2.6	1
33	Prediction of Student Performance Through an Intelligent Hybrid Model. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 710-721	0.9	1

32	Demand Control Ventilation Strategy by Tracing the Radon Concentration in Smart Buildings. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 374-382	0.4	1
31	Prediction of Small-Wind Turbine Performance from Time Series Modelling Using Intelligent Techniques. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 541-548	0.9	1
30	Inferring Knowledge from Clinical Data for Anesthesia Automation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 480-491	0.9	1
29	Beta-Hebbian Learning for Visualizing Intrusions in Flows. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 446-459	0.4	1
28	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4644	2.6	1
27	Anomaly Detection on Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 141-152	0.4	1
26	A hybrid one-class approach for detecting anomalies in industrial systems. <i>Expert Systems</i> ,	2.1	1
25	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 317-328	0.4	0
24	Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 249-260	0.5	0
23	Bioclimatic House Heat Exchanger Behavior Prediction with Time Series Modeling. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 112-124	0.4	
22	A Solar Thermal System Temperature Prediction of a Smart Building for Data Recovery and Security Purposes. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 468-476	0.9	
21	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 329-340	0.9	
20	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 533-540	0.9	
19	A Fault Detection System for Power Cells During Capacity Confirmation Test Through a Global One-Class Classifier. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 477-484	0.9	
18	Detection of DoS Attacks in an IoT Environment with MQTT Protocol Based on Intelligent Binary Classifiers. <i>Engineering Proceedings</i> , <b>2021</b> , 7, 16	0.5	
17	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 492-503	0.9	
16	Study of Data Pre-processing for Short-Term Prediction of Heat Exchanger Behaviour Using Time Series. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 38-49	0.9	
15	A Global Classifier Implementation for Detecting Anomalies by Using One-Class Techniques over a Laboratory Plant. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 149-160	0.4	

14	An Energy Storage System. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , <b>2020</b> , 337-356	0.4
13	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 66-75	0.4
12	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 355-365	0.4
11	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 282-292	0.4
10	A Hybrid One-Class Topology for Non-convex Sets. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 341-349	0.9
9	RECENT ADVANCES IN THE APPLICATION OF DATA SCIENCE TO INDUSTRIAL CYBERSECURITY. <i>Dyna (Spain)</i> , <b>2021</b> , 96, 231-232	0.4
8	Hybrid Model to Calculate the State of Charge of a Battery. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 379-390	0.9
7	A Virtual Sensor for a Cell Voltage Prediction of a Proton-Exchange Membranes Based on Intelligent Techniques. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 240-248	0.5
6	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 23-32	0.4
5	Detection of Denial of Service Attacks in an MQTT Environment Using a One-Class Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 84-93	0.4
4	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 315-324	0.4
3	Virtual Implementation of Practical Control Subjects as an Alternative to Face-to-Face Laboratory Lessons. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 254-263	0.4
2	Analysis of the Seasonality in a Geothermal System Using Projectionist and Clustering Methods. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 500-510	0.9
1	A Novel Proposal for Estimating PID Parameters Based on Centroids. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 532-541	0.2