

Hector Quintin

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.

76
papers

533
citations

15
h-index

21
g-index

124
ext. papers

631
ext. citations

1.5
avg, IF

4.41
L-index

#	Paper	IF	Citations
76	A hybrid intelligent system for PID controller using in a steel rolling process. <i>Expert Systems With Applications</i> , 2013 , 40, 5188-5196	7.8	57
75	A Hybrid Regression System Based on Local Models for Solar Energy Prediction. <i>Informatica</i> , 2014 , 25, 265-282	2.9	39
74	Gaining deep knowledge of Android malware families through dimensionality reduction techniques. <i>Logic Journal of the IGPL</i> , 2019 , 27, 160-176	1	31
73	A fault detection system based on unsupervised techniques for industrial control loops. <i>Expert Systems</i> , 2019 , 36, e12395	2.1	28
72	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> , 2020 , 17, 84	1.5	28
71	An intelligent fault detection system for a heat pump installation based on a geothermal heat exchanger. <i>Journal of Applied Logic</i> , 2016 , 17, 36-47		27
70	Simplified method based on an intelligent model to obtain the extinction angle of the current for a single-phase half wave controlled rectifier with resistive and inductive load. <i>Journal of Applied Logic</i> , 2015 , 13, 37-47		26
69	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. <i>Sensors</i> , 2019 , 19,	3.8	26
68	Anomaly detection based on one-class intelligent techniques over a control level plant. <i>Logic Journal of the IGPL</i> , 2020 , 28, 502-518	1	26
67	Beta Hebbian Learning as a New Method for Exploratory Projection Pursuit. <i>International Journal of Neural Systems</i> , 2017 , 27, 1750024	6.2	23
66	Missing data imputation over academic records of electrical engineering students. <i>Logic Journal of the IGPL</i> , 2020 , 28, 487-501	1	19
65	Beta Scale Invariant Map. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 59, 218-235	7.2	18
64	A new method for anomaly detection based on non-convex boundaries with random two-dimensional projections. <i>Information Fusion</i> , 2021 , 65, 50-57	16.7	18
63	A Hybrid Intelligent System to forecast solar energy production. <i>Computers and Electrical Engineering</i> , 2019 , 78, 373-387	4.3	17
62	Lithium iron phosphate power cell fault detection system based on hybrid intelligent system. <i>Logic Journal of the IGPL</i> , 2020 , 28, 71-82	1	17
61	Hybrid Intelligent Model for Fault Detection of a Lithium Iron Phosphate Power Cell Used in Electric Vehicles. <i>Lecture Notes in Computer Science</i> , 2016 , 751-762	0.9	12
60	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. <i>Informatica</i> , 2019 , 30, 671-687	2.9	11

59	Delving into Android Malware Families with a Novel Neural Projection Method. <i>Complexity</i> , 2019 , 2019, 1-10	1.6	7
58	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. <i>Cybernetics and Systems</i> , 2020 , 51, 649-667	1.9	7
57	Hybrid Intelligent Model to Predict the Remifentanyl Infusion Rate in Patients Under General Anesthesia. <i>Logic Journal of the IGPL</i> , 2021 , 29, 193-206	1	7
56	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	0.4	6
55	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. <i>Processes</i> , 2019 , 7, 825	2.9	6
54	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. <i>Logic Journal of the IGPL</i> ,	1	6
53	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2276	2.6	5
52	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. <i>Lecture Notes in Computer Science</i> , 2018 , 586-596	0.9	5
51	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
50	Hydrogen consumption prediction of a fuel cell based system with a hybrid intelligent approach. <i>Energy</i> , 2020 , 205, 117986	7.9	5
49	Hybrid Artificial Intelligent Systems. <i>Lecture Notes in Computer Science</i> , 2017 ,	0.9	3
48	A Novel Hybrid Intelligent Classifier to Obtain the Controller Tuning Parameters for Temperature Control. <i>Lecture Notes in Computer Science</i> , 2012 , 677-689	0.9	3
47	Hybrid Artificial Intelligent Systems. <i>Lecture Notes in Computer Science</i> , 2016 ,	0.9	3
46	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	0.4	3
45	Remifentanyl Dose Prediction for Patients During General Anesthesia. <i>Lecture Notes in Computer Science</i> , 2018 , 537-546	0.9	2
44	International Joint Conference SOCO13-CISIS13-ICEUTE13. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	2
43	International Joint Conference SOCO16-CISIS16-ICEUTE16. <i>Advances in Intelligent Systems and Computing</i> , 2017 ,	0.4	2
42	10th International Conference on Soft Computing Models in Industrial and Environmental Applications. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	2

41	Diseño de controladores PID		2
40	Intelligent Model for Fault Detection on Geothermal Exchanger of a Heat Pump. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 237-247	0.4	2
39	Intelligent Model to Obtain Current Extinction Angle for a Single Phase Half Wave Controlled Rectifier with Resistive and Inductive Load. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 249-256	0.4	2
38	A Novel Ensemble Beta-Scale Invariant Map Algorithm. <i>IEEE Access</i> , 2020 , 8, 108857-108884	3.5	2
37	Skills Development of Professional Ethics in Engineering Degrees in the European Higher Education Area. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 736-740	0.4	1
36	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. <i>Electronics (Switzerland)</i> , 2022 , 11, 422	2.6	1
35	Prediction of Student Performance Through an Intelligent Hybrid Model. <i>Lecture Notes in Computer Science</i> , 2019 , 710-721	0.9	1
34	Beta-Hebbian Learning for Visualizing Intrusions in Flows. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 446-459	0.4	1
33	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. <i>Lecture Notes in Computer Science</i> , 2020 , 698-705	0.9	1
32	Optimization of MLHL-SIM and SIM Algorithm Using OpenMP. <i>Lecture Notes in Computer Science</i> , 2016 , 227-236	0.9	1
31	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	2.6	1
30	Anomaly Detection on Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 141-152	0.4	1
29	A hybrid one-class approach for detecting anomalies in industrial systems. <i>Expert Systems</i> ,	2.1	1
28	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 317-328	0.4	0
27	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	0
26	Multi-class Imbalanced Data Oversampling for Vertebral Column Pathologies Classification. <i>Lecture Notes in Computer Science</i> , 2018 , 131-142	0.9	
25	Use of Support Vector Machines and Neural Networks to Assess Boar Sperm Viability. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 13-19	0.4	
24	A Solar Thermal System Temperature Prediction of a Smart Building for Data Recovery and Security Purposes. <i>Lecture Notes in Computer Science</i> , 2020 , 468-476	0.9	

23	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. <i>Lecture Notes in Computer Science</i> , 2020 , 329-340	0.9
22	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. <i>Lecture Notes in Computer Science</i> , 2020 , 533-540	0.9
21	A Fault Detection System for Power Cells During Capacity Confirmation Test Through a Global One-Class Classifier. <i>Lecture Notes in Computer Science</i> , 2020 , 477-484	0.9
20	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. <i>Lecture Notes in Computer Science</i> , 2019 , 492-503	0.9
19	A Global Classifier Implementation for Detecting Anomalies by Using One-Class Techniques over a Laboratory Plant. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 149-160	0.4
18	An Energy Storage System. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020 , 337-356	0.4
17	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 66-75	0.4
16	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 355-365	0.4
15	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 282-292	0.4
14	A Hybrid One-Class Topology for Non-convex Sets. <i>Lecture Notes in Computer Science</i> , 2020 , 341-349	0.9
13	Modelling Dental Milling Process with Machine Learning-Based Regression Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 701-711	0.4
12	Prediction of Dental Milling Time-Error by Flexible Neural Trees and Fuzzy Rules. <i>Lecture Notes in Computer Science</i> , 2012 , 842-849	0.9
11	Evaluation of Novel Soft Computing Methods for the Prediction of the Dental Milling Time-Error Parameter. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 163-172	0.4
10	Application of Soft Computing Technologies toward Assessment and Skills Development. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 299-310	0.4
9	Soft Computing Techniques for Skills Assessment of Highly Qualified Personnel. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 669-678	0.4
8	Intelligent Model to Obtain Initial and Final Conduction Angle of a Diode in a Half Wave Rectifier with a Capacitor Filter. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 121-130	0.4
7	Hybrid Model to Calculate the State of Charge of a Battery. <i>Lecture Notes in Computer Science</i> , 2021 , 379-390	0.9
6	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 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, 2022, 84-93</i>	0.4
4	Advanced 3D Visualization of Android Malware Families. <i>Advances in Intelligent Systems and Computing, 2022, 167-177</i>	0.4
3	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. <i>Advances in Intelligent Systems and Computing, 2022, 315-324</i>	0.4
2	Virtual Implementation of Practical Control Subjects as an Alternative to Face-to-Face Laboratory Lessons. <i>Advances in Intelligent Systems and Computing, 2022, 254-263</i>	0.4
1	A Novel Proposal for Estimating PID Parameters Based on Centroids. <i>Lecture Notes in Electrical Engineering, 2022, 532-541</i>	0.2