

Hector Quintin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2523379/hector-quintian-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
75	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
74	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 23-32	0.4	
73	Detection of Denial of Service Attacks in an MQTT Environment Using a One-Class Approach. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 84-93	0.4	
72	Advanced 3D Visualization of Android Malware Families. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 167-177	0.4	
71	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 315-324	0.4	
70	Virtual Implementation of Practical Control Subjects as an Alternative to Face-to-Face Laboratory Lessons. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 254-263	0.4	
69	A Novel Proposal for Estimating PID Parameters Based on Centroids. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 532-541	0.2	
68	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 66-75	0.4	
67	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
66	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 355-365	0.4	
65	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 282-292	0.4	
64	Beta-Hebbian Learning for Visualizing Intrusions in Flows. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 446-459	0.4	1
63	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
62	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
61	Hybrid Model to Calculate the State of Charge of a Battery. <i>Lecture Notes in Computer Science</i> , 2021 , 379-390	0.9	
60	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2276	2.6	5

59	A Solar Thermal System Temperature Prediction of a Smart Building for Data Recovery and Security Purposes. <i>Lecture Notes in Computer Science, 2020, 468-476</i>	0.9	
58	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. <i>Lecture Notes in Computer Science, 2020, 329-340</i>	0.9	
57	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. <i>Lecture Notes in Computer Science, 2020, 533-540</i>	0.9	
56	A Fault Detection System for Power Cells During Capacity Confirmation Test Through a Global One-Class Classifier. <i>Lecture Notes in Computer Science, 2020, 477-484</i>	0.9	
55	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, 2020, 17, 84</i>	1.5	28
54	A Global Classifier Implementation for Detecting Anomalies by Using One-Class Techniques over a Laboratory Plant. <i>Advances in Intelligent Systems and Computing, 2020, 149-160</i>	0.4	
53	An Energy Storage System. <i>Advances in Environmental Engineering and Green Technologies Book Series, 2020, 337-356</i>	0.4	
52	A Hybrid One-Class Topology for Non-convex Sets. <i>Lecture Notes in Computer Science, 2020, 341-349</i>	0.9	
51	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. <i>Lecture Notes in Computer Science, 2020, 698-705</i>	0.9	1
50	Missing data imputation over academic records of electrical engineering students. <i>Logic Journal of the IGPL, 2020, 28, 487-501</i>	1	19
49	A Novel Ensemble Beta-Scale Invariant Map Algorithm. <i>IEEE Access, 2020, 8, 108857-108884</i>	3.5	2
48	Hydrogen consumption prediction of a fuel cell based system with a hybrid intelligent approach. <i>Energy, 2020, 205, 117986</i>	7.9	5
47	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. <i>Applied Sciences (Switzerland), 2020, 10, 4644</i>	2.6	1
46	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. <i>Cybernetics and Systems, 2020, 51, 649-667</i>	1.9	7
45	Lithium iron phosphate power cell fault detection system based on hybrid intelligent system. <i>Logic Journal of the IGPL, 2020, 28, 71-82</i>	1	17
44	Anomaly detection based on one-class intelligent techniques over a control level plant. <i>Logic Journal of the IGPL, 2020, 28, 502-518</i>	1	26
43	Outlier Generation and Anomaly Detection Based on Intelligent One-Class Techniques over a Bicomponent Mixing System. <i>Advances in Intelligent Systems and Computing, 2020, 399-410</i>	0.4	3
42	Anomaly Detection on Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing, 2020, 141-152</i>	0.4	1

41	A fault detection system based on unsupervised techniques for industrial control loops. <i>Expert Systems</i> , 2019 , 36, e12395	2.1	28
40	A Hybrid Intelligent System to forecast solar energy production. <i>Computers and Electrical Engineering</i> , 2019 , 78, 373-387	4.3	17
39	Delving into Android Malware Families with a Novel Neural Projection Method. <i>Complexity</i> , 2019 , 2019, 1-10	1.6	7
38	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. <i>Sensors</i> , 2019 , 19,	3.8	26
37	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. <i>Informatica</i> , 2019 , 30, 671-687	2.9	11
36	Prediction of Student Performance Through an Intelligent Hybrid Model. <i>Lecture Notes in Computer Science</i> , 2019 , 710-721	0.9	1
35	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. <i>Lecture Notes in Computer Science</i> , 2019 , 492-503	0.9	
34	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
33	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
32	Gaining deep knowledge of Android malware families through dimensionality reduction techniques. <i>Logic Journal of the IGPL</i> , 2019 , 27, 160-176	1	31
31	Multi-class Imbalanced Data Oversampling for Vertebral Column Pathologies Classification. <i>Lecture Notes in Computer Science</i> , 2018 , 131-142	0.9	
30	Remifentanil Dose Prediction for Patients During General Anesthesia. <i>Lecture Notes in Computer Science</i> , 2018 , 537-546	0.9	2
29	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
28	Beta Scale Invariant Map. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 59, 218-235	7.2	18
27	Beta Hebbian Learning as a New Method for Exploratory Projection Pursuit. <i>International Journal of Neural Systems</i> , 2017 , 27, 1750024	6.2	23
26	Hybrid Artificial Intelligent Systems. <i>Lecture Notes in Computer Science</i> , 2017 ,	0.9	3
25	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
24	International Joint Conference SOCO'16-CISIS'16-ICEUTE'16. <i>Advances in Intelligent Systems and Computing</i> , 2017 ,	0.4	2

23	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	
22	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
21	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
20	Optimization of MLHL-SIM and SIM Algorithm Using OpenMP. <i>Lecture Notes in Computer Science</i> , 2016 , 227-236	0.9	1
19	Modelling Dental Milling Process with Machine Learning-Based Regression Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 701-711	0.4	
18	Hybrid Artificial Intelligent Systems. <i>Lecture Notes in Computer Science</i> , 2016 ,	0.9	3
17	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
16	10th International Conference on Soft Computing Models in Industrial and Environmental Applications. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	2
15	International Joint Conference SOCO13-CISIS13-ICEUTE13. <i>Advances in Intelligent Systems and Computing</i> , 2014 ,	0.4	2
14	A Hybrid Regression System Based on Local Models for Solar Energy Prediction. <i>Informatica</i> , 2014 , 25, 265-282	2.9	39
13	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
12	Soft Computing Techniques for Skills Assessment of Highly Qualified Personnel. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 669-678	0.4	
11	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	
10	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
9	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
8	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	
7	Application of Soft Computing Technologies toward Assessment and Skills Development. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 299-310	0.4	
6	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

5	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	
4	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
3	Diseño de controladores PID		2
2	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. <i>Logic Journal of the IGPL</i> ,	1	6
1	A hybrid one-class approach for detecting anomalies in industrial systems. <i>Expert Systems</i> ,	2.1	1