

HÃ©ctor QuintiÃ¡n

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

741
citations

516215

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580395

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g-index

124
all docs

124
docs citations

124
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel method for anomaly detection using beta Hebbian learning and principal component analysis. Logic Journal of the IGPL, 2023, 31, 390-399.	1.3	8
2	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. Cybernetics and Systems, 2023, 54, 286-305.	1.6	6
3	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
4	Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. Lecture Notes in Networks and Systems, 2022, , 249-260.	0.5	1
5	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. Advances in Intelligent Systems and Computing, 2022, , 23-32.	0.5	0
6	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
7	Advanced 3D Visualization of Android Malware Families. Advances in Intelligent Systems and Computing, 2022, , 167-177.	0.5	0
8	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
9	One-Class-Based Intelligent Classifier for Detecting Anomalous Situations During the Anesthetic Process. Logic Journal of the IGPL, 2022, 30, 326-341.	1.3	8
10	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
11	Advanced Visualization of Intrusions in Flows by Means of Beta-Hebbian Learning. Logic Journal of the IGPL, 2022, 30, 1056-1073.	1.3	3
12	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. Electronics (Switzerland), 2022, 11, 422.	1.8	11
13	Correction to: 14th International Conference on Computational Intelligence in Security for Information Systems and 12th International Conference on European Transnational Educational (CISIS) Tj ETQq1 10.5784314orgBT /O		
14	A distributed topology for identifying anomalies in an industrial environment. Neural Computing and Applications, 2022, 34, 20463-20476.	3.2	2
15	CreaciÃ³n de laboratorios virtuales para asignaturas de control con Factory I/O y Simulink. , 2022, , .		0
16	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
17	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
18	Hybrid Model to Calculate the State of Charge of a Battery. Lecture Notes in Computer Science, 2021, , 379-390.	1.0	1

#	ARTICLE	IF	CITATIONS
19	USING COVID-19 FOR A TEACHING EXPERIENCE IN DESIGN THINKING IN ENGINEERING DEGREES. INTED Proceedings, 2021, , .	0.0	0
20	Editorial: Special issue HAIS 2018. Logic Journal of the IGPL, 2021, 29, 121-123.	1.3	0
21	Implementaci3n virtual de prÁcticas de asignaturas de control como alternativa a las prÁcticas de laboratorio presenciales. , 2021, , 259-268.		0
22	Beta-Hebbian Learning for Visualizing Intrusions in Flows. Advances in Intelligent Systems and Computing, 2021, , 446-459.	0.5	2
23	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. Advances in Intelligent Systems and Computing, 2021, , 66-75.	0.5	1
24	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. Advances in Intelligent Systems and Computing, 2021, , 317-328.	0.5	1
25	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. Advances in Intelligent Systems and Computing, 2021, , 355-365.	0.5	0
26	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. Advances in Intelligent Systems and Computing, 2021, , 282-292.	0.5	0
27	Sistema de prÁcticas virtuales como alternativa al laboratorio presencial en asignaturas de IngenierÁa de Contro. , 2021, , .		0
28	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.	0.5	3
29	Anomaly Detection on Patients Undergoing General Anesthesia. Advances in Intelligent Systems and Computing, 2020, , 141-152.	0.5	2
30	Missing data imputation over academic records of electrical engineering students. Logic Journal of the IGPL, 2020, 28, 487-501.	1.3	20
31	A Novel Ensemble Beta-Scale Invariant Map Algorithm. IEEE Access, 2020, 8, 108857-108884.	2.6	2
32	Hydrogen consumption prediction of a fuel cell based system with a hybrid intelligent approach. Energy, 2020, 205, 117986.	4.5	11
33	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. Applied Sciences (Switzerland), 2020, 10, 4644.	1.3	6
34	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. Cybernetics and Systems, 2020, 51, 649-667.	1.6	10
35	Lithium iron phosphate power cell fault detection system based on hybrid intelligent system. Logic Journal of the IGPL, 2020, 28, 71-82.	1.3	17
36	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

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37	Editorial: Special issue HAIS17-IGPL. Logic Journal of the IGPL, 2020, 28, 151-152.	1.3	0
38	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. Applied Sciences (Switzerland), 2020, 10, 2276.	1.3	6
39	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. Lecture Notes in Computer Science, 2020, , 698-705.	1.0	1
40	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
41	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
42	An Energy Storage System. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 337-356.	0.3	0
43	A Hybrid One-Class Topology for Non-convex Sets. Lecture Notes in Computer Science, 2020, , 341-349.	1.0	0
44	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
45	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. Lecture Notes in Computer Science, 2020, , 329-340.	1.0	0
46	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. Lecture Notes in Computer Science, 2020, , 533-540.	1.0	0
47	A Hybrid Intelligent System to forecast solar energy production. Computers and Electrical Engineering, 2019, 78, 373-387.	3.0	21
48	Delving into Android Malware Families with a Novel Neural Projection Method. Complexity, 2019, 2019, 1-10.	0.9	7
49	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. Sensors, 2019, 19, 2485.	2.1	35
50	Editorial: Special issue CISIS 2016. Logic Journal of the IGPL, 2019, 27, 135-136.	1.3	0
51	A fault detection system based on unsupervised techniques for industrial control loops. Expert Systems, 2019, 36, e12395.	2.9	34
52	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. Processes, 2019, 7, 825.	1.3	8
53	Gaining deep knowledge of Android malware families through dimensionality reduction techniques. Logic Journal of the IGPL, 2019, 27, 160-176.	1.3	35
54	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.	0.5	6

#	ARTICLE	IF	CITATIONS
55	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. Informatica, 2019, 30, 671-687.	1.5	23
56	Prediction of Student Performance Through an Intelligent Hybrid Model. Lecture Notes in Computer Science, 2019, , 710-721.	1.0	1
57	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. Lecture Notes in Computer Science, 2019, , 492-503.	1.0	0
58	Editorial: Special issue SOCO 2016. Logic Journal of the IGPL, 2018, 26, 567-568.	1.3	0
59	Use of classifiers and recursive feature elimination to assess boar sperm viability. Logic Journal of the IGPL, 2018, , .	1.3	0
60	Multi-class Imbalanced Data Oversampling for Vertebral Column Pathologies Classification. Lecture Notes in Computer Science, 2018, , 131-142.	1.0	0
61	Remifentanil Dose Prediction for Patients During General Anesthesia. Lecture Notes in Computer Science, 2018, , 537-546.	1.0	2
62	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. Lecture Notes in Computer Science, 2018, , 586-596.	1.0	8
63	Beta Scale Invariant Map. Engineering Applications of Artificial Intelligence, 2017, 59, 218-235.	4.3	20
64	Beta Hebbian Learning as a New Method for Exploratory Projection Pursuit. International Journal of Neural Systems, 2017, 27, 1750024.	3.2	31
65	Hybrid Artificial Intelligent Systems. Lecture Notes in Computer Science, 2017, , .	1.0	4
66	Skills Development of Professional Ethics in Engineering Degrees in the European Higher Education Area. Advances in Intelligent Systems and Computing, 2017, , 736-740.	0.5	1
67	Use of Support Vector Machines and Neural Networks to Assess Boar Sperm Viability. Advances in Intelligent Systems and Computing, 2017, , 13-19.	0.5	0
68	Editorial: Special Issue CISIS15-IGPL. Logic Journal of the IGPL, 2017, 25, 1-2.	1.3	0
69	Editorial: Special Issue HAIS15-IGPL. Logic Journal of the IGPL, 2017, 25, 859-861.	1.3	0
70	Editorial: Special Issue CISIS14-IGPL. Logic Journal of the IGPL, 2016, 24, 869-870.	1.3	0
71	SPECIAL ISSUE SOCO13-JAL. Journal of Applied Logic, 2016, 17, 1-3.	1.1	0
72	Hybrid Artificial Intelligent Systems. Lecture Notes in Computer Science, 2016, , .	1.0	5

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73	Hybrid Intelligent Model for Fault Detection of a Lithium Iron Phosphate Power Cell Used in Electric Vehicles. Lecture Notes in Computer Science, 2016, , 751-762.	1.0	13
74	An intelligent fault detection system for a heat pump installation based on a geothermal heat exchanger. Journal of Applied Logic, 2016, 17, 36-47.	1.1	31
75	Recent advancements in hybrid artificial intelligence systems and its application to real-world problems. Neurocomputing, 2016, 176, 1-2.	3.5	0
76	Optimization of MLHL-SIM and SIM Algorithm Using OpenMP. Lecture Notes in Computer Science, 2016, , 227-236.	1.0	1
77	Modelling Dental Milling Process with Machine Learning-Based Regression Algorithms. Advances in Intelligent Systems and Computing, 2016, , 701-711.	0.5	0
78	Editorial: Special Issue CISIS13-IGPL. Logic Journal of the IGPL, 2015, , jzv040.	1.3	0
79	Editorial: Special issue HAIS12-IGPL. Logic Journal of the IGPL, 2015, 23, 355-358.	1.3	0
80	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. Journal of Applied Logic, 2015, 13, 167.	1.1	0
81	Special issue HAIS 2012: Recent advancements in hybrid artificial intelligence systems and its application to real-world problems. Neurocomputing, 2015, 163, 1-2.	3.5	0
82	Editorial: Special issue CISIS12-IGPL. Logic Journal of the IGPL, 2015, 23, 1-3.	1.3	0
83	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. Journal of Applied Logic, 2015, 13, 37-47.	1.1	28
84	International Joint Conference SOCOâ€™13-CISISâ€™13-ICEUTEâ€™13. Advances in Intelligent Systems and Computing, 2014, , .	0.5	3
85	Intelligent Model for Fault Detection on Geothermal Exchanger of a Heat Pump. Advances in Intelligent Systems and Computing, 2014, , 237-247.	0.5	2
86	A Hybrid Regression System Based on Local Models for Solar Energy Prediction. Informatica, 2014, 25, 265-282.	1.5	45
87	Soft Computing Techniques for Skills Assessment of Highly Qualified Personnel. Advances in Intelligent Systems and Computing, 2014, , 669-678.	0.5	0
88	Intelligent Model to Obtain Initial and Final Conduction Angle of a Diode in a Half Wave Rectifier with a Capacitor Filter. Advances in Intelligent Systems and Computing, 2014, , 121-130.	0.5	0
89	A hybrid intelligent system for PID controller using in a steel rolling process. Expert Systems With Applications, 2013, 40, 5188-5196.	4.4	95
90	Intelligent Model to Obtain Current Extinction Angle for a Single Phase Half Wave Controlled Rectifier with Resistive and Inductive Load. Advances in Intelligent Systems and Computing, 2013, , 249-256.	0.5	2

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91	Application of Soft Computing Technologies toward Assessment and Skills Development. Advances in Intelligent Systems and Computing, 2013, , 299-310.	0.5	0
92	A Novel Hybrid Intelligent Classifier to Obtain the Controller Tuning Parameters for Temperature Control. Lecture Notes in Computer Science, 2012, , 677-689.	1.0	3
93	Prediction of Dental Milling Time-Error by Flexible Neural Trees and Fuzzy Rules. Lecture Notes in Computer Science, 2012, , 842-849.	1.0	0
94	Neuro-Knowledge Model Based on a PID Controller to Automatic Steering of Ships. , 0, , .		0
95	HidrÁgeno y su almacenamiento: el futuro de la energÁa elÁctrica. , 0, , .		3
96	Editorial: Special issue HAIS19-IGPL. Logic Journal of the IGPL, 0, , .	1.3	0
97	Sistema hÁbrido para la predicci3n del funcionamiento de una celda de combustible basada en hidrÁgeno, empleada en el almacenamiento de energÁa. , 0, , .		0
98	Experiencia de docencia basada en proyectos usando la mÁsica como elemento principal para la asignatura de Fundamentos de ElectrÁnica. , 0, , 191-206.		0
99	A hybrid one-class approach for detecting anomalies in industrial systems. Expert Systems, 0, , .	2.9	3
100	Intelligent model for active power prediction of a small wind turbine. Logic Journal of the IGPL, 0, , .	1.3	10