

# Jos Luis Calvo Roll

## List of Publications by Year in Descending Order

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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.

157 papers	1,307 citations	25 h-index	29 g-index
199 ext. papers	1,487 ext. citations	1.8 avg, IF	5.12 L-index

#	Paper	IF	Citations
157	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
156	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
155	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	
154	Intelligent System for Switching Modes Detection and Classification of a Half-Bridge Buck Converter. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 229-239	0.5	
153	Dimensional Reduction on an Intelligent Model for Efficiency Improvement of Switching Modes Detection. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 14-23	0.4	
152	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	
151	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	
150	Advanced 3D Visualization of Android Malware Families. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 167-177	0.4	
149	A New Information Infrastructure Approach for End-To-End Supply Chain Management. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 314-323	0.4	
148	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	
147	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	
146	Intelligent Techniques for Optimization, Modelling and Control of Power Management Systems Efficiency. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 149-166	0.8	
145	A Novel Proposal for Estimating PID Parameters Based on Centroids. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 532-541	0.2	
144	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	
143	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	
142	Comparative of Clustering Techniques for Academic Advice and Performance Measurement. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 215-226	0.4	
141	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

140	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
139	Bio-Inspired System for MRP Production and Delivery Planning in Automotive Industry. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 550-559	0.4	
138	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
137	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	
136	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	
135	Beta-Hebbian Learning for Visualizing Intrusions in Flows. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 446-459	0.4	1
134	RECENT ADVANCES IN THE APPLICATION OF DATA SCIENCE TO INDUSTRIAL CYBERSECURITY. <i>Dyna (Spain)</i> , <b>2021</b> , 96, 231-232	0.4	
133	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
132	Modelling material flow using the Milk run and Kanban systems in the automotive industry. <i>Expert Systems</i> , <b>2021</b> , 38,	2.1	4
131	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
130	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
129	Hybrid Intelligent Model to Predict the Remifentanyl Infusion Rate in Patients Under General Anesthesia. <i>Logic Journal of the IGPL</i> , <b>2021</b> , 29, 193-206	1	7
128	A Hybrid Bio-Inspired Tabu Search Clustering Approach. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 436-447.	0.9	
127	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	
126	An Application of a Hybrid Intelligent System for Diagnosing Primary Headaches. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
125	A hybrid intelligent classifier for anomaly detection. <i>Neurocomputing</i> , <b>2021</b> , 452, 498-507	5.4	2
124	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	
123	Hybrid Intelligent Model for Switching Modes Classification in a Half-Bridge Buck Converter. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 367-378	0.9	

122	Hybrid Intelligent Modelling in Renewable Energy Sources-Based Microgrid. A Variable Estimation of the Hydrogen Subsystem Oriented to the Energy Management Strategy. <i>Sustainability</i> , <b>2020</b> , 12, 10566	3.6	1
121	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
120	Machine learning based method for the evaluation of the Analgesia Nociception Index in the assessment of general anesthesia. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 118, 103645	7	3
119	Adaptive drug interaction model to predict depth of anesthesia in the operating room. <i>Biomedical Signal Processing and Control</i> , <b>2020</b> , 59, 101931	4.9	4
118	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	
117	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	
116	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	
115	Atmospheric Tomography Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 561-569	0.9	
114	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	
113	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
112	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	
111	An Energy Storage System. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , <b>2020</b> , 337-356	0.4	
110	A Hybrid One-Class Topology for Non-convex Sets. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 341-349	0.9	
109	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
108	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 698-705	0.9	1
107	Autoencoder Latent Space Influence on IoT MQTT Attack Classification. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 279-286	0.9	1
106	Comparative Study of Imputation Algorithms Applied to the Prediction of Student Performance. <i>Logic Journal of the IGPL</i> , <b>2020</b> , 28, 58-70	1	15
105	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

104	Impact of Individual Headache Types on the Work and Work Efficiency of Headache Sufferers. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	7
103	Hydrogen consumption prediction of a fuel cell based system with a hybrid intelligent approach. <i>Energy</i> , <b>2020</b> , 205, 117986	7.9	5
102	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
101	Edge Computing and Adaptive Fault-Tolerant Tracking Control Algorithm for Smart Buildings: A Case Study. <i>Cybernetics and Systems</i> , <b>2020</b> , 51, 685-697	1.9	8
100	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
99	Lithium iron phosphate power cell fault detection system based on hybrid intelligent system. <i>Logic Journal of the IGPL</i> , <b>2020</b> , 28, 71-82	1	17
98	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
97	Adaptive Fault-Tolerant Tracking Control Algorithm for IoT Systems: Smart Building Case Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 481-490	0.4	
96	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
95	Anomaly Detection on Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 141-152	0.4	1
94	Hybrid model for the ANI index prediction using Remifentanil drug and EMG signal. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 1249-1258	4.8	13
93	Electromyogram prediction during anesthesia by using a hybrid intelligent model. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 4467-4476	3.7	2
92	A Fault Detection System for a Geothermal Heat Exchanger Sensor Based on Intelligent Techniques. <i>Sensors</i> , <b>2019</b> , 19,	3.8	21
91	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
90	A fault detection system based on unsupervised techniques for industrial control loops. <i>Expert Systems</i> , <b>2019</b> , 36, e12395	2.1	28
89	A Hybrid Intelligent System to forecast solar energy production. <i>Computers and Electrical Engineering</i> , <b>2019</b> , 78, 373-387	4.3	17
88	Delving into Android Malware Families with a Novel Neural Projection Method. <i>Complexity</i> , <b>2019</b> , 2019, 1-10	1.6	7
87	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. <i>Sensors</i> , <b>2019</b> , 19,	3.8	26

86	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
85	Sistema híbrido inteligente para la predicción de la tensión de una pila de combustible basada en hidrógeno. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , <b>2019</b> , 16, 492	1.5	26
84	Prediction of Student Performance Through an Intelligent Hybrid Model. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 710-721	0.9	1
83	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 492-503	0.9	
82	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	
81	Inferring Knowledge from Clinical Data for Anesthesia Automation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 480-491	0.9	1
80	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
79	Fuel Cell Output Current Prediction with a Hybrid Intelligent System. <i>Complexity</i> , <b>2019</b> , 2019, 1-10	1.6	25
78	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
77	Fuel Cell Hybrid Model for Predicting Hydrogen Inflow through Energy Demand. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1325	2.6	1
76	Rapid tomographic reconstruction through GPU-based adaptive optics. <i>Logic Journal of the IGPL</i> , <b>2019</b> , 27, 214-226	1	6
75	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
74	Gaining deep knowledge of Android malware families through dimensionality reduction techniques. <i>Logic Journal of the IGPL</i> , <b>2019</b> , 27, 160-176	1	31
73	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	
72	Remifentanyl Dose Prediction for Patients During General Anesthesia. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 537-546	0.9	2
71	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
70	ARTIFICIAL INTELLIGENCE IN ENGINEERING: PAST, PRESENT AND FUTURE. <i>Dyna (Spain)</i> , <b>2018</b> , 93, 350-352		2
69	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

68	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
67	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
66	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
65	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
64	Multi-GPU Development of a Neural Networks Based Reconstructor for Adaptive Optics. <i>Complexity</i> , <b>2018</b> , 2018, 1-9	1.6	8
63	A Novel Fuzzy Algorithm to Introduce New Variables in the Drug Supply Decision-Making Process in Medicine. <i>Complexity</i> , <b>2018</b> , 2018, 1-15	1.6	21
62	Adaptive fuzzy modeling of the hypnotic process in anesthesia. <i>Journal of Clinical Monitoring and Computing</i> , <b>2017</b> , 31, 319-330	2	28
61	Power Cell SOC Modelling for Intelligent Virtual Sensor Implementation. <i>Journal of Sensors</i> , <b>2017</b> , 2017, 1-10	2	27
60	Hybrid Intelligent System to Perform Fault Detection on BIS Sensor During Surgeries. <i>Sensors</i> , <b>2017</b> , 17,	3.8	30
59	Radon Mitigation Approach in a Laboratory Measurement Room. <i>Sensors</i> , <b>2017</b> , 17,	3.8	5
58	Using GPUs to Speed up a Tomographic Reconstructor Based on Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 279-289	0.4	5
57	Intelligent Expert System to Optimize the Quartz Crystal Microbalance (QCM) Characterization Test. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2017</b> , 469-488	0.4	1
56	An Intelligent Model for Bispectral Index (BIS) in Patients Undergoing General Anesthesia. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 290-300	0.4	
55	Energy Management Strategies to Improve Electrical Networks Using Storage Systems <b>2017</b> , 1500-1514		
54	EL SECTOR ELÉCTRICO DESDE SU INICIO HASTA LA SEGUNDA GUERRA MUNDIAL. <i>Dyna (Spain)</i> , <b>2017</b> , 92, 43-47	0.4	2
53	Estudio, medida y mitigación de la concentración de radón en la Escuela Universitaria de Arquitectura Técnica de la Universidade da Coruña. <i>Informes De La Construcción</i> , <b>2017</b> , 69, 217	0.4	0
52	Hybrid Intelligent Model for Fault Detection of a Lithium Iron Phosphate Power Cell Used in Electric Vehicles. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 751-762	0.9	12
51	An intelligent fault detection system for a heat pump installation based on a geothermal heat exchanger. <i>Journal of Applied Logic</i> , <b>2016</b> , 17, 36-47		27



50	Energy Management Strategies to Improve Electrical Networks Using Storage Systems. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2016</b> , 63-75	0.3	
49	A Hybrid Algorithm for Missing Data Imputation and Its Application to Electrical Data Loggers. <i>Sensors</i> , <b>2016</b> , 16,	3.8	3
48	Student Performance Prediction Applying Missing Data Imputation in Electrical Engineering Studies Degree. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 126-135	0.9	
47	Diagnosing a solar volumetric receiver combining NN-based modelling with online parameter identification and rule-based techniques. <i>Logic Journal of the IGPL</i> , <b>2015</b> , 23, 379-399	1	
46	Modeling the Electromyogram (EMG) of Patients Undergoing Anesthesia During Surgery. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 273-283	0.4	19
45	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> , <b>2015</b> , 13, 37-47		26
44	Bio-inspired model of ground temperature behavior on the horizontal geothermal exchanger of an installation based on a heat pump. <i>Neurocomputing</i> , <b>2015</b> , 150, 90-98	5.4	29
43	A New Missing Data Imputation Algorithm Applied to Electrical Data Loggers. <i>Sensors</i> , <b>2015</b> , 15, 31069-838	3.8	18
42	A New Way to Improve Subject Selection in Engineering Degree Studies. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 533-545	0.4	4
41	New approach for the QCM sensors characterization. <i>Sensors and Actuators A: Physical</i> , <b>2014</b> , 207, 1-9	3.9	29
40	On the monitoring task of solar thermal fluid transfer systems using NN based models and rule based techniques. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 27, 129-136	7.2	23
39	A Bio-inspired knowledge system for improving combined cycle plant control tuning. <i>Neurocomputing</i> , <b>2014</b> , 126, 95-105	5.4	33
38	Missing data imputation of solar radiation data under different atmospheric conditions. <i>Sensors</i> , <b>2014</b> , 14, 20382-99	3.8	42
37	Adaptive Inverse Control Using an Online Learning Algorithm for Neural Networks. <i>Informatica</i> , <b>2014</b> , 25, 401-414	2.9	26
36	A Hybrid Regression System Based on Local Models for Solar Energy Prediction. <i>Informatica</i> , <b>2014</b> , 25, 265-282	2.9	39
35	Intelligent Model for Fault Detection on Geothermal Exchanger of a Heat Pump. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 237-247	0.4	2
34	Hybrid Intelligent Model to Predict the SOC of a LFP Power Cell Type. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 561-572	0.9	27
33	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



32	DESARROLLO DE UN SISTEMA EXPERTO PARA AYUDAR A LA VERIFICACIÓN DEL SISTEMA "TACAN". <i>Dyna (Spain)</i> , <b>2014</b> , 89, 112-121	0.4	2
31	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> , <b>2014</b> , 121-130	0.4	
30	Study of the effect of a geothermal heat exchanger over the ground <b>2013</b> ,		1
29	A hybrid intelligent system for PID controller using in a steel rolling process. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 5188-5196	7.8	57
28	Visual supervision of a waste water biological reactor using artificial intelligence algorithms <b>2013</b> ,		1
27	Detection of locally relevant variables using SOM-NG algorithm. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 1992-2000	7.2	22
26	Expert condition monitoring on hydrostatic self-levitating bearings. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 2975-2984	7.8	28
25	New Climatic Indicators for Improving Urban Sprawl: A Case Study of Tehran City. <i>Entropy</i> , <b>2013</b> , 15, 999-1013	10.13	33
24	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> , <b>2013</b> , 249-256	0.4	2
23	Data Mining and Modelling for Wave Power Applications Using Hybrid SOM-NG Algorithm. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 350-359	0.3	
22	Viscosity Measurement Monitoring by Means of Functional Approximation and Rule Based Techniques. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 427-438	0.4	
21	A bio-inspired robust controller for a refinery plant process. <i>Logic Journal of the IGPL</i> , <b>2012</b> , 20, 598-616	1	2
20	A Novel Hybrid Intelligent Classifier to Obtain the Controller Tuning Parameters for Temperature Control. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 677-689	0.9	3
19	Supervision Strategy of a Solar Volumetric Receiver Using NN and Rule Based Techniques. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 577-587	0.9	
18	Formalization and practical implementation of a conceptual model for PID controller tuning. <i>Asian Journal of Control</i> , <b>2011</b> , 13, 773-784	1.7	28
17	CONTROLADOR NEURO-ROBUSTO PARA SISTEMAS NO LINEALES. <i>Dyna (Spain)</i> , <b>2011</b> , 86, 308-317	0.4	25
16	Thermal Efficiency Supervision by NN Based Functional Approximation Techniques. <i>Advances in Intelligent and Soft Computing</i> , <b>2011</b> , 405-414		1
15	Supervised Rule Based Thermodynamic Cycles Design Technique. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 327-335	0.9	1

14	A Novel Method to Prevent Control System Instability Based on a Soft Computing Knowledge System. <i>Advances in Intelligent and Soft Computing</i> , <b>2011</b> , 427-436		
13	A Hybrid Intelligent System for Generic Decision for PID Controllers Design in Open-Loop. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 352-362	0.9	
12	Modifying the learning rate of FLNG dealing with imbalanced datasets <b>2010</b> ,		1
11	A hybrid batch SOM-NG algorithm <b>2010</b> ,		17
10	MONITORIZACI3N DE LA DEGRADACI3N DE ACEITES CON SENSORES QU3MICOS Y POL3MEROS DE IMPRONTA MOLECULAR OIL DEGRADATION MONITORING WITH CHEMICAL SENSORS AND MOLECULAR IMPRINTED POLYMER. <i>Dyna (Spain)</i> , <b>2010</b> , 85, 738-745	0.4	3
9	Efficient Plant Supervision Strategy Using NN Based Techniques. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 385-394	0.9	2
8	Developed an expert system of an empirical method to choose correct expressions for PID controllers tuning in open loop <b>2009</b> ,		1
7	Knowledge Based Expert System for PID Controller Tuning under Hazardous Operating Conditions. <i>Advances in Intelligent and Soft Computing</i> , <b>2009</b> , 203-210		1
6	The Complexity of the Batch Neural Gas Extended to Local PCA. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 212-219	0.9	
5	Development of a Conceptual Model for a Knowledge-Based System for the Design of Closed-Loop PID Controllers. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 58-65	0.9	1
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	Dise3o 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