Jos Luis Calvo Roll

List of Publications by Citations

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	A hybrid intelligent system for PID controller using in a steel rolling process. *Expert Systems With Applications*, **2013**, 40, 5188-5196	7.8	57
156	Missing data imputation of solar radiation data under different atmospheric conditions. *Sensors*, **2014**, 14, 20382-99	3.8	42
155	A Hybrid Regression System Based on Local Models for Solar Energy Prediction. *Informatica*, **2014**, 25, 265-282	2.9	39
154	Modelling the hypnotic patient response in general anaesthesia using intelligent models. *Logic Journal of the IGPL*, **2019**, 27, 189-201	1	34
153	A Bio-inspired knowledge system for improving combined cycle plant control tuning. *Neurocomputing*, **2014**, 126, 95-105	5.4	33
152	New Climatic Indicators for Improving Urban Sprawl: A Case Study of Tehran City. *Entropy*, **2013**, 15, 999-1013	2.8	33
151	Geothermal heat exchanger energy prediction based on time series and monitoring sensors optimization. *Energy*, **2019**, 171, 49-60	7.9	31
150	Gaining deep knowledge of Android malware families through dimensionality reduction techniques. *Logic Journal of the IGPL*, **2019**, 27, 160-176	1	31
149	Hybrid Intelligent System to Perform Fault Detection on BIS Sensor During Surgeries. *Sensors*, **2017**, 17,	3.8	30
148	Bio-inspired model of ground temperature behavior on the horizontal geothermal exchanger of an installation based on a heat pump. *Neurocomputing*, **2015**, 150, 90-98	5.4	29
147	New approach for the QCM sensors characterization. *Sensors and Actuators A: Physical*, **2014**, 207, 1-9	3.9	29
146	Adaptive fuzzy modeling of the hypnotic process in anesthesia. *Journal of Clinical Monitoring and Computing*, **2017**, 31, 319-330	2	28
145	A fault detection system based on unsupervised techniques for industrial control loops. *Expert Systems*, **2019**, 36, e12395	2.1	28
144	Expert condition monitoring on hydrostatic self-levitating bearings. *Expert Systems With Applications*, **2013**, 40, 2975-2984	7.8	28
143	Formalization and practical implementation of a conceptual model for PID controller tuning. *Asian Journal of Control*, **2011**, 13, 773-784	1.7	28
142	Detecci□ de anomal□s basada en t□nicas inteligentes de una planta de obtenci□ de material bicomponente empleado en la fabricaci□ de palas de aerogenerador. *RIAI - Revista Iberoamericana De Automatica E Informatica Industrial*, **2020**, 17, 84	1.5	28
141	Power Cell SOC Modelling for Intelligent Virtual Sensor Implementation. *Journal of Sensors*, **2017**, 2017, 1-10	2	27

140	An intelligent fault detection system for a heat pump installation based on a geothermal heat exchanger. *Journal of Applied Logic*, **2016**, 17, 36-47		27
139	Hybrid Intelligent Model to Predict the SOC of a LFP Power Cell Type. *Lecture Notes in Computer Science*, **2014**, 561-572	0.9	27
138	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		26
137	Short-Term Energy Demand Forecast in Hotels Using Hybrid Intelligent Modeling. *Sensors*, **2019**, 19,	3.8	26
136	Adaptive Inverse Control Using an Online Learning Algorithm for Neural Networks. *Informatica*, **2014**, 25, 401-414	2.9	26
135	Sistema h□brido inteligente para la predicci□ de la tensi□ de una pila de combustible basada en hidr□geno. *RIAI - Revista Iberoamericana De Automatica E Informatica Industrial*, **2019**, 16, 492	1.5	26
134	Anomaly detection based on one-class intelligent techniques over a control level plant. *Logic Journal of the IGPL*, **2020**, 28, 502-518	1	26
133	CONTROLADOR NEURO-ROBUSTO PARA SISTEMAS NO LINEALES. *Dyna (Spain)*, **2011**, 86, 308-317	0.4	25
132	Fuel Cell Output Current Prediction with a Hybrid Intelligent System. *Complexity*, **2019**, 2019, 1-10	1.6	25
131	On the monitoring task of solar thermal fluid transfer systems using NN based models and rule based techniques. *Engineering Applications of Artificial Intelligence*, **2014**, 27, 129-136	7.2	23
130	Detection of locally relevant variables using SOM□NG algorithm. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1992-2000	7.2	22
129	A Fault Detection System for a Geothermal Heat Exchanger Sensor Based on Intelligent Techniques. *Sensors*, **2019**, 19,	3.8	21
128	A Novel Fuzzy Algorithm to Introduce New Variables in the Drug Supply Decision-Making Process in Medicine. *Complexity*, **2018**, 2018, 1-15	1.6	21
127	Modeling the Electromyogram (EMG) of Patients Undergoing Anesthesia During Surgery. *Advances in Intelligent Systems and Computing*, **2015**, 273-283	0.4	19
126	Missing data imputation over academic records of electrical engineering students. *Logic Journal of the IGPL*, **2020**, 28, 487-501	1	19
125	A New Missing Data Imputation Algorithm Applied to Electrical Data Loggers. *Sensors*, **2015**, 15, 31069-83	3.8	18
124	A new method for anomaly detection based on non-convex boundaries with random two-dimensional projections. *Information Fusion*, **2021**, 65, 50-57	16.7	18
123	A Hybrid Intelligent System to forecast solar energy production. *Computers and Electrical Engineering*, **2019**, 78, 373-387	4.3	17

122	A hybrid batch SOM-NG algorithm **2010**,		17
121	Modeling of Bicomponent Mixing System Used in the Manufacture of Wind Generator Blades. *Lecture Notes in Computer Science*, **2014**, 275-285	0.9	17
120	Lithium iron phosphate power cell fault detection system based on hybrid intelligent system. *Logic Journal of the IGPL*, **2020**, 28, 71-82	1	17
119	Comparative Study of Imputation Algorithms Applied to the Prediction of Student Performance. *Logic Journal of the IGPL*, **2020**, 28, 58-70	1	15
118	Hybrid model for the ANI index prediction using Remifentanil drug and EMG signal. *Neural Computing and Applications*, **2020**, 32, 1249-1258	4.8	13
117	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	0.9	12
116	Virtual Sensor for Fault Detection, Isolation and Data Recovery for Bicomponent Mixing Machine Monitoring. *Informatica*, **2019**, 30, 671-687	2.9	11
115	Attempts Prediction by Missing Data Imputation in Engineering Degree. *Advances in Intelligent Systems and Computing*, **2018**, 167-176	0.4	11
114	An Intelligent Model to Predict ANI in Patients Undergoing General Anesthesia. *Advances in Intelligent Systems and Computing*, **2018**, 492-501	0.4	11
113	Edge Computing and Adaptive Fault-Tolerant Tracking Control Algorithm for Smart Buildings: A Case Study. *Cybernetics and Systems*, **2020**, 51, 685-697	1.9	8
112	Machine learning techniques for computer-based decision systems in the operating theatre: application to analgesia delivery. *Logic Journal of the IGPL*, **2021**, 29, 236-250	1	8
111	Multi-GPU Development of a Neural Networks Based Reconstructor for Adaptive Optics. *Complexity*, **2018**, 2018, 1-9	1.6	8
110	Delving into Android Malware Families with a Novel Neural Projection Method. *Complexity*, **2019**, 2019, 1-10	1.6	7
109	PID-ITS: An Intelligent Tutoring System for PID Tuning Learning Process. *Advances in Intelligent Systems and Computing*, **2018**, 726-735	0.4	7
108	Impact of Individual Headache Types on the Work and Work Efficiency of Headache Sufferers. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	7
107	Comparative Study of One-Class Based Anomaly Detection Techniques for a Bicomponent Mixing Machine Monitoring. *Cybernetics and Systems*, **2020**, 51, 649-667	1.9	7
106	Hybrid Intelligent Model to Predict the Remifentanil Infusion Rate in Patients Under General Anesthesia. *Logic Journal of the IGPL*, **2021**, 29, 193-206	1	7
105	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	0.4	6

104	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. *Processes*, **2019**, 7, 825	2.9	6
103	Rapid tomographic reconstruction through GPU-based adaptive optics. *Logic Journal of the IGPL*, **2019**, 27, 214-226	1	6
102	A One-class Classifier Based on a Hybrid Topology to Detect Faults in Power Cells. *Logic Journal of the IGPL*,	1	6
101	Intrusion Detection with Unsupervised Techniques for Network Management Protocols over Smart Grids. *Applied Sciences (Switzerland)*, **2020**, 10, 2276	2.6	5
100	Radon Mitigation Approach in a Laboratory Measurement Room. *Sensors*, **2017**, 17,	3.8	5
99	Prediction of the Energy Demand of a Hotel Using an Artificial Intelligence-Based Model. *Lecture Notes in Computer Science*, **2018**, 586-596	0.9	5
98	Using GPUs to Speed up a Tomographic Reconstructor Based on Machine Learning. *Advances in Intelligent Systems and Computing*, **2017**, 279-289	0.4	5
97	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. *Cybernetics and Systems*,1-20	1.9	5
96	Hydrogen consumption prediction of a fuel cell based system with a hybrid intelligent approach. *Energy*, **2020**, 205, 117986	7.9	5
95	Adaptive drug interaction model to predict depth of anesthesia in the operating room. *Biomedical Signal Processing and Control*, **2020**, 59, 101931	4.9	4
94	A New Way to Improve Subject Selection in Engineering Degree Studies. *Advances in Intelligent Systems and Computing*, **2015**, 533-545	0.4	4
93	Modelling material flow using the Milk run and Kanban systems in the automotive industry. *Expert Systems*, **2021**, 38,	2.1	4
92	An Application of a Hybrid Intelligent System for Diagnosing Primary Headaches. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	4
91	Machine learning based method for the evaluation of the Analgesia Nociception Index in the assessment of general anesthesia. *Computers in Biology and Medicine*, **2020**, 118, 103645	7	3
90	MONITORIZACIÓN DE LA DEGRADACIÓN DE ACEITES CON SENSORES QUÍMICOS Y POLÍMEROS DE IMPRONTA MOLECULAR OIL DEGRADATION MONITORING WITH CHEMICAL SENSORS AND MOLECULAR IMPRINTED POLYMER. *Dyna (Spain)*, **2010**, 85, 738-745	0.4	3
89	A Machine Learning Based System for Analgesic Drug Delivery. *Advances in Intelligent Systems and Computing*, **2018**, 461-470	0.4	3
88	A Novel Hybrid Intelligent Classifier to Obtain the Controller Tuning Parameters for Temperature Control. *Lecture Notes in Computer Science*, **2012**, 677-689	0.9	3
87	An intelligent system for harmonic distortions detection in wind generator power electronic devices. *Neurocomputing*, **2021**, 456, 609-609	5.4	3

86	A Hybrid Algorithm for Missing Data Imputation and Its Application to Electrical Data Loggers. *Sensors*, **2016**, 16,	3.8	3
85	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	0.4	3
84	Remifentanil Dose Prediction for Patients During General Anesthesia. *Lecture Notes in Computer Science*, **2018**, 537-546	0.9	2
83	A bio-inspired robust controller for a refinery plant process. *Logic Journal of the IGPL*, **2012**, 20, 598-616	1	2
82	ARTIFICIAL INTELLIGENGE IN ENGINEERING: PAST, PRESENT AND FUTURE. *Dyna (Spain)*, **2018**, 93, 350-352	0.4	2
81	Diseño de controladores PID		2
80	Small-Wind Turbine Power Generation Prediction from Atmospheric Variables Based on Intelligent Techniques. *Advances in Intelligent Systems and Computing*, **2021**, 33-43	0.4	2
79	Intelligent Model for Fault Detection on Geothermal Exchanger of a Heat Pump. *Advances in Intelligent Systems and Computing*, **2014**, 237-247	0.4	2
78	Sensor Fault Detection and Recovery Methodology for a Geothermal Heat Exchanger. *Lecture Notes in Computer Science*, **2018**, 171-184	0.9	2
77	Efficient Plant Supervision Strategy Using NN Based Techniques. *Lecture Notes in Computer Science*, **2010**, 385-394	0.9	2
76	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	0.4	2
75	EL SECTOR ELÉCTRICO DESDE SU INICIO HASTA LA SEGUNDA GUERRA MUNDIAL. *Dyna (Spain)*, **2017**, 92, 43-47	0.4	2
74	DESARROLLO DE UN SISTEMA EXPERTO PARA AYUDAR A LA VERIFICACIÓN DEL SISTEMA "TACAN". *Dyna (Spain)*, **2014**, 89, 112-121	0.4	2
73	Electromyogram prediction during anesthesia by using a hybrid intelligent model. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 4467-4476	3.7	2
72	A hybrid intelligent classifier for anomaly detection. *Neurocomputing*, **2021**, 452, 498-507	5.4	2
71	Hybrid Intelligent Modelling in Renewable Energy Sources-Based Microgrid. A Variable Estimation of the Hydrogen Subsystem Oriented to the Energy Management Strategy. *Sustainability*, **2020**, 12, 10566	3.6	1
70	Study of the effect of a geothermal heat exchanger over the ground **2013**,		1
69	Visual supervision of a waste water biological reactor using artificial intelligence algorithms **2013**,		1

68	Modifying the learning rate of FLNG dealing with imbalanced datasets **2010**,		1
67	Developed an expert system of an empirical method to choose correct expressions for PID controllers tuning in open loop **2009**,		1
66	Intelligent One-Class Classifiers for the Development of an Intrusion Detection System: The MQTT Case Study. *Electronics (Switzerland)*, **2022**, 11, 422	2.6	1
65	Intelligent Expert System to Optimize the Quartz Crystal Microbalance (QCM) Characterization Test. *Advances in Computational Intelligence and Robotics Book Series*, **2017**, 469-488	0.4	1
64	Prediction of Student Performance Through an Intelligent Hybrid Model. *Lecture Notes in Computer Science*, **2019**, 710-721	0.9	1
63	Demand Control Ventilation Strategy by Tracing the Radon Concentration in Smart Buildings. *Advances in Intelligent Systems and Computing*, **2021**, 374-382	0.4	1
62	Prediction of Small-Wind Turbine Performance from Time Series Modelling Using Intelligent Techniques. *Lecture Notes in Computer Science*, **2020**, 541-548	0.9	1
61	Inferring Knowledge from Clinical Data for Anesthesia Automation. *Lecture Notes in Computer Science*, **2019**, 480-491	0.9	1
60	Beta-Hebbian Learning for Visualizing Intrusions in Flows. *Advances in Intelligent Systems and Computing*, **2021**, 446-459	0.4	1
59	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. *Lecture Notes in Computer Science*, **2020**, 698-705	0.9	1
58	Autoencoder Latent Space Influence on IoT MQTT Attack Classification. *Lecture Notes in Computer Science*, **2020**, 279-286	0.9	1
57	Thermal Efficiency Supervision by NN Based Functional Approximation Techniques. *Advances in Intelligent and Soft Computing*, **2011**, 405-414		1
56	Supervised Rule Based Thermodynamic Cycles Design Technique. *Lecture Notes in Computer Science* , **2011**, 327-335	0.9	1
55	Knowledge Based Expert System for PID Controller Tuning under Hazardous Operating Conditions. *Advances in Intelligent and Soft Computing*, **2009**, 203-210		1
54	Development of a Conceptual Model for a Knowledge-Based System for the Design of Closed-Loop PID Controllers. *Lecture Notes in Computer Science*, **2009**, 58-65	0.9	1
53	Solar Thermal Collector Output Temperature Prediction by Hybrid Intelligent Model for Smartgrid and Smartbuildings Applications and Optimization. *Applied Sciences (Switzerland)*, **2020**, 10, 4644	2.6	1
52	Fuel Cell Hybrid Model for Predicting Hydrogen Inflow through Energy Demand. *Electronics (Switzerland)*, **2019**, 8, 1325	2.6	1
51	Anomaly Detection on Patients Undergoing General Anesthesia. *Advances in Intelligent Systems and Computing*, **2020**, 141-152	0.4	1

50	A hybrid one-class approach for detecting anomalies in industrial systems. *Expert Systems*,	2.1	1
49	Data Collection Description for Evaluation and Analysis of Engineering Students Academic Performance. *Advances in Intelligent Systems and Computing*, **2021**, 317-328	0.4	0
48	Estudio, medida y mitigación de la concentración de radón en la Escuela Universitaria de Arquitectura Técnica de la Universidade da Coruña. *Informes De La Construccion*, **2017**, 69, 217	0.4	0
47	Intrusion Detection System for MQTT Protocol Based on Intelligent One-Class Classifiers. *Lecture Notes in Networks and Systems*, **2022**, 249-260	0.5	0
46	Diagnosing a solar volumetric receiver combining NN-based modelling with online parameter identification and rule-based techniques. *Logic Journal of the IGPL*, **2015**, 23, 379-399	1	
45	Bioclimatic House Heat Exchanger Behavior Prediction with Time Series Modeling. *Advances in Intelligent Systems and Computing*, **2018**, 112-124	0.4	
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	0.9	
43	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. *Lecture Notes in Computer Science*, **2020**, 329-340	0.9	
42	Detecting Performance Anomalies in the Multi-component Software a Collaborative Robot. *Lecture Notes in Computer Science*, **2020**, 533-540	0.9	
41	Atmospheric Tomography Using Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2020**, 561-569	0.9	
40	A Fault Detection System for Power Cells During Capacity Confirmation Test Through a Global One-Class Classifier. *Lecture Notes in Computer Science*, **2020**, 477-484	0.9	
39	Detection of DoS Attacks in an IoT Environment with MQTT Protocol Based on Intelligent Binary Classifiers. *Engineering Proceedings*, **2021**, 7, 16	0.5	
38	Anomaly Detection Over an Ultrasonic Sensor in an Industrial Plant. *Lecture Notes in Computer Science*, **2019**, 492-503	0.9	
37	Study of Data Pre-processing for Short-Term Prediction of Heat Exchanger Behaviour Using Time Series. *Lecture Notes in Computer Science*, **2019**, 38-49	0.9	
36	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	0.4	
35	An Energy Storage System. *Advances in Environmental Engineering and Green Technologies Book Series*, **2020**, 337-356	0.4	
34	A Comparative Study to Detect Flowmeter Deviations Using One-Class Classifiers. *Advances in Intelligent Systems and Computing*, **2021**, 66-75	0.4	
33	Comparative of Clustering Techniques for Academic Advice and Performance Measurement. *Advances in Intelligent Systems and Computing*, **2021**, 215-226	0.4	

32	Bio-Inspired System for MRP Production and Delivery Planning in Automotive Industry. *Advances in Intelligent Systems and Computing*, **2021**, 550-559	0.4
31	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. *Advances in Intelligent Systems and Computing*, **2021**, 355-365	0.4
30	Hybrid Approximate Convex Hull One-Class Classifier for an Industrial Plant. *Advances in Intelligent Systems and Computing*, **2021**, 282-292	0.4
29	A Hybrid One-Class Topology for Non-convex Sets. *Lecture Notes in Computer Science*, **2020**, 341-349	0.9
28	Energy Management Strategies to Improve Electrical Networks Using Storage Systems. *Advances in Computer and Electrical Engineering Book Series*, **2016**, 63-75	0.3
27	An Intelligent Model for Bispectral Index (BIS) in Patients Undergoing General Anesthesia. *Advances in Intelligent Systems and Computing*, **2017**, 290-300	0.4
26	Energy Management Strategies to Improve Electrical Networks Using Storage Systems **2017**, 1500-1514	
25	The Complexity of the Batch Neural Gas Extended to Local PCA. *Lecture Notes in Computer Science*, **2009**, 212-219	0.9
24	A Novel Method to Prevent Control System Instability Based on a Soft Computing Knowledge System. *Advances in Intelligent and Soft Computing*, **2011**, 427-436	
23	A Hybrid Intelligent System for Generic Decision for PID Controllers Design in Open-Loop. *Lecture Notes in Computer Science*, **2011**, 352-362	0.9
22	Supervision Strategy of a Solar Volumetric Receiver Using NN and Rule Based Techniques. *Lecture Notes in Computer Science*, **2012**, 577-587	0.9
21	Data Mining and Modelling for Wave Power Applications Using Hybrid SOM-NG Algorithm. *Communications in Computer and Information Science*, **2013**, 350-359	0.3
20	Viscosity Measurement Monitoring by Means of Functional Approximation and Rule Based Techniques. *Advances in Intelligent Systems and Computing*, **2013**, 427-438	0.4
19	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	0.4
18	RECENT ADVANCES IN THE APPLICATION OF DATA SCIENCE TO INDUSTRIAL CYBERSECURITY. *Dyna (Spain)*, **2021**, 96, 231-232	0.4
17	Student Performance Prediction Applying Missing Data Imputation in Electrical Engineering Studies Degree. *Lecture Notes in Computer Science*, **2016**, 126-135	0.9
16	Adaptive Fault-Tolerant Tracking Control Algorithm for IoT Systems: Smart Building Case Study. *Advances in Intelligent Systems and Computing*, **2020**, 481-490	0.4
15	A Hybrid Bio-Inspired Tabu Search Clustering Approach. *Lecture Notes in Computer Science*, **2021**, 436-447	0.9

14	Hybrid Model to Calculate the State of Charge of a Battery. *Lecture Notes in Computer Science*, **2021**, 379-390	0.9
13	A Virtual Sensor for a Cell Voltage Prediction of a Proton-Exchange Membranes Based on Intelligent Techniques. *Lecture Notes in Networks and Systems*, **2022**, 240-248	0.5
12	Intelligent System for Switching Modes Detection and Classification of a Half-Bridge Buck Converter. *Lecture Notes in Networks and Systems*, **2022**, 229-239	0.5
11	Dimensional Reduction on an Intelligent Model for Efficiency Improvement of Switching Modes Detection. *Advances in Intelligent Systems and Computing*, **2022**, 14-23	0.4
10	Beta Hebbian Learning for Intrusion Detection in Networks of IoT Devices. *Advances in Intelligent Systems and Computing*, **2022**, 23-32	0.4
9	Detection of Denial of Service Attacks in an MQTT Environment Using a One-Class Approach. *Advances in Intelligent Systems and Computing*, **2022**, 84-93	0.4
8	Advanced 3D Visualization of Android Malware Families. *Advances in Intelligent Systems and Computing*, **2022**, 167-177	0.4
7	A New Information Infrastructure Approach for End-To-End Supply Chain Management. *Advances in Intelligent Systems and Computing*, **2022**, 314-323	0.4
6	Low Cost Three-Phase Motor Speed Control System Design for Educational Laboratory Practices. *Advances in Intelligent Systems and Computing*, **2022**, 315-324	0.4
5	Virtual Implementation of Practical Control Subjects as an Alternative to Face-to-Face Laboratory Lessons. *Advances in Intelligent Systems and Computing*, **2022**, 254-263	0.4
4	Analysis of the Seasonality in a Geothermal System Using Projectionist and Clustering Methods. *Lecture Notes in Computer Science*, **2021**, 500-510	0.9
3	Hybrid Intelligent Model for Switching Modes Classification in a Half-Bridge Buck Converter. *Lecture Notes in Computer Science*, **2021**, 367-378	0.9
2	Intelligent Techniques for Optimization, Modelling and Control of Power Management Systems Efficiency. *Intelligent Systems Reference Library*, **2022**, 149-166	0.8
1	A Novel Proposal for´Estimating PID Parameters Based on´Centroids. *Lecture Notes in Electrical Engineering*, **2022**, 532-541	0.2