

Roberto Casado-Vara

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.

52 papers	836 citations	15 h-index	28 g-index
53 ext. papers	1,067 ext. citations	1.9 avg, IF	5.16 L-index

#	Paper	IF	Citations
52	Enhanced Cybersecurity in Smart Cities: Integration Methods of OPC UA and Suricata. <i>Lecture Notes in Networks and Systems</i> , 2022 , 61-67	0.5	1
51	A Review of k-NN Algorithm Based on Classical and Quantum Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 189-198	0.4	7
50	Propagation of the Malware Used in APTs Based on Dynamic Bayesian Networks. <i>Mathematics</i> , 2021 , 9, 3097	2.3	1
49	Comparative of Clustering Techniques for Academic Advice and Performance Measurement. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 215-226	0.4	
48	Demand Control Ventilation Strategy by Tracing the Radon Concentration in Smart Buildings. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 374-382	0.4	1
47	Bidirectional-Pass Algorithm for Interictal Event Detection. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 197-204	0.4	2
46	A Reputation Score Proposal for Online Video Platforms. <i>Lecture Notes in Computer Science</i> , 2021 , 255-265	0.9	1
45	Deepint.net: A Rapid Deployment Platform for Smart Territories. <i>Sensors</i> , 2021 , 21,	3.8	21
44	Transfer Learning for Arthropodous Identification and its Use in the Transmitted Disease Diagnostic. <i>Communications in Computer and Information Science</i> , 2021 , 253-260	0.3	1
43	A Mathematical Study of Barcelona Metro Network. <i>Electronics (Switzerland)</i> , 2021 , 10, 557	2.6	3
42	Web Traffic Time Series Forecasting Using LSTM Neural Networks with Distributed Asynchronous Training. <i>Mathematics</i> , 2021 , 9, 421	2.3	9
41	A hybrid intelligent classifier for anomaly detection. <i>Neurocomputing</i> , 2021 , 452, 498-507	5.4	2
40	A Hybrid One-Class Topology for Non-convex Sets. <i>Lecture Notes in Computer Science</i> , 2020 , 341-349	0.9	
39	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
38	Quaternion Neural Networks: State-of-the-Art and Research Challenges. <i>Lecture Notes in Computer Science</i> , 2020 , 456-467	0.9	4
37	On the Optimal Control of a Malware Propagation Model. <i>Mathematics</i> , 2020 , 8, 1518	2.3	1
36	Deep Reinforcement Learning for the Management of Software-Defined Networks and Network Function Virtualization in an Edge-IoT Architecture. <i>Sustainability</i> , 2020 , 12, 5706	3.6	10

35	Edge Computing and Adaptive Fault-Tolerant Tracking Control Algorithm for Smart Buildings: A Case Study. <i>Cybernetics and Systems</i> , 2020 , 51, 685-697	1.9	8
34	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
33	A New Stability Criterion for IoT Systems in Smart Buildings: Temperature Case Study. <i>Mathematics</i> , 2020 , 8, 1412	2.3	1
32	Blockchain-based architecture for the control of logistics activities: Pharmaceutical utilities case study. <i>Logic Journal of the IGPL</i> , 2020 ,	1	10
31	Deep Reinforcement Learning for the management of Software-Defined Networks in Smart Farming 2020 ,		7
30	Adaptive Fault-Tolerant Tracking Control Algorithm for IoT Systems: Smart Building Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 481-490	0.4	
29	Smart PPE and CPE Platform for Electric Industry Workforce. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 422-431	0.4	2
28	IoT network slicing on virtual layers of homogeneous data for improved algorithm operation in smart buildings. <i>Future Generation Computer Systems</i> , 2020 , 102, 965-977	7.5	48
27	SiloMAS: A MAS for Smart Silos to Optimize Food and Water Consumption on Livestock Holdings. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 27-37	0.4	2
26	Intelligent Livestock Feeding System by Means of Silos with IoT Technology. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 38-48	0.4	1
25	Cooperative Algorithm to Improve Temperature Control in Recovery Unit of Healthcare Facilities. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 49-62	0.4	1
24	Blockchain-Based Architecture: A MAS Proposal for Efficient Agri-Food Supply Chains. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 89-96	0.4	16
23	Smart Contract for Monitoring and Control of Logistics Activities: Garbage Utilities Case Study in a Smart City 2020 , 614-618		1
22	Security Countermeasures of a SCIRAS Model for Advanced Malware Propagation. <i>IEEE Access</i> , 2019 , 7, 135472-135478	3.5	23
21	Reversibility of Symmetric Linear Cellular Automata with Radius $r = 3$. <i>Mathematics</i> , 2019 , 7, 816	2.3	15
20	Hybrid job offer recommender system in a social network. <i>Expert Systems</i> , 2019 , 36, e12416	2.1	5
19	A review of edge computing reference architectures and a new global edge proposal. <i>Future Generation Computer Systems</i> , 2019 , 99, 278-294	7.5	85
18	New Approach to Power System Grid Security with a Blockchain-Based Model. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 418-421	0.4	1

17	Stochastic Approach for Prediction of WSN Accuracy Degradation with Blockchain Technology. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 422-425	0.4	2
16	Distributed e-health wide-world accounting ledger via blockchain. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 2381-2386	1.6	19
15	How Blockchain Could Improve Fraud Detection in Power Distribution Grid. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 67-76	0.4	12
14	Case-Based Reasoning and Agent Based Job Offer Recommender System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 21-33	0.4	7
13	The Right to Honour on Social Networks: Detection and Classifications of Users. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 90-99	0.4	
12	Smart Contract for Monitoring and Control of Logistics Activities: Pharmaceutical Utilities Case Study. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 509-517	0.4	15
11	Smart Buildings IoT Networks Accuracy Evolution Prediction to Improve Their Reliability Using a Lotka-Volterra Ecosystem Model. <i>Sensors</i> , 2019 , 19,	3.8	3
10	GarbMAS: Simulation of the Application of Gamification Techniques to Increase the Amount of Recycled Waste Through a Multi-agent System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 332-343	0.4	6
9	Blockchain-Based Distributed Cooperative Control Algorithm for WSN Monitoring. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 414-417	0.4	2
8	Improving Temperature Control in Smart Buildings Based in IoT Network Slicing Technique 2019 ,		2
7	Distributed Continuous-Time Fault Estimation Control for Multiple Devices in IoT Networks. <i>IEEE Access</i> , 2019 , 7, 11972-11984	3.5	53
6	Non-linear adaptive closed-loop control system for improved efficiency in IoT-blockchain management. <i>Information Fusion</i> , 2019 , 49, 227-239	16.7	83
5	A game theory approach for cooperative control to improve data quality and false data detection in WSN. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 5087-5102	3.6	42
4	Blockchain for Democratic Voting: How Blockchain Could Cast oVoter Fraud. <i>Oriental Journal of Computer Science and Technology</i> , 2018 , 11, 01-03	0.4	18
3	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. <i>Energies</i> , 2018 , 11, 3430	3.1	23
2	How blockchain improves the supply chain: case study alimentary supply chain. <i>Procedia Computer Science</i> , 2018 , 134, 393-398	1.6	203
1	Blockchain framework for IoT data quality via edge computing 2018 ,		48