Roberto Casado-Vara

List of Publications by Citations

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	How blockchain improves the supply chain: case study alimentary supply chain. *Procedia Computer Science*, **2018**, 134, 393-398	1.6	203
51	A review of edge computing reference architectures and a new global edge proposal. *Future Generation Computer Systems*, **2019**, 99, 278-294	7.5	85
50	Non-linear adaptive closed-loop control system for improved efficiency in IoT-blockchain management. *Information Fusion*, **2019**, 49, 227-239	16.7	83
49	Distributed Continuous-Time Fault Estimation Control for Multiple Devices in IoT Networks. *IEEE Access*, **2019**, 7, 11972-11984	3.5	53
48	IoT network slicing on virtual layers of homogeneous data for improved algorithm operation in smart buildings. *Future Generation Computer Systems*, **2020**, 102, 965-977	7.5	48
47	Blockchain framework for IoT data quality via edge computing **2018**,		48
46	A game theory approach for cooperative control to improve data quality and false data detection in WSN. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 5087-5102	3.6	42
45	Security Countermeasures of a SCIRAS Model for Advanced Malware Propagation. *IEEE Access*, **2019**, 7, 135472-135478	3.5	23
44	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. *Energies*, **2018**, 11, 3430	3.1	23
43	Deepint.net: A Rapid Deployment Platform for Smart Territories. *Sensors*, **2021**, 21,	3.8	21
42	Distributed e-health wide-world accounting ledger via blockchain. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 2381-2386	1.6	19
41	Blockchain for Democratic Voting: How Blockchain Could Cast o Voter Fraud. *Oriental Journal of Computer Science and Technology*, **2018**, 11, 01-03	0.4	18
40	Blockchain-Based Architecture: A MAS Proposal for Efficient Agri-Food Supply Chains. *Advances in Intelligent Systems and Computing*, **2020**, 89-96	0.4	16
39	Reversibility of Symmetric Linear Cellular Automata with Radius r = 3. *Mathematics*, **2019**, 7, 816	2.3	15
38	Smart Contract for Monitoring and Control of Logistics Activities: Pharmaceutical Utilities Case Study. *Advances in Intelligent Systems and Computing*, **2019**, 509-517	0.4	15
37	How Blockchain Could Improve Fraud Detection in Power Distribution Grid. *Advances in Intelligent Systems and Computing*, **2019**, 67-76	0.4	12
36	Deep Reinforcement Learning for the Management of Software-Defined Networks and Network Function Virtualization in an Edge-IoT Architecture. *Sustainability*, **2020**, 12, 5706	3.6	10

35	Blockchain-based architecture for the control of logistics activities: Pharmaceutical utilities case study. *Logic Journal of the IGPL*, **2020**,	1	10
34	Web Traffic Time Series Forecasting Using LSTM Neural Networks with Distributed Asynchronous Training. *Mathematics*, **2021**, 9, 421	2.3	9
33	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
32	Case-Based Reasoning and Agent Based Job Offer Recommender System. *Advances in Intelligent Systems and Computing*, **2019**, 21-33	0.4	7
31	A Review of k-NN Algorithm Based on Classical and Quantum Machine Learning. *Advances in Intelligent Systems and Computing*, **2021**, 189-198	0.4	7
30	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
29	Deep Reinforcement Learning for the management of Software-Defined Networks in Smart Farming **2020**,		7
28	GarbMAS: Simulation of the Application of Gamification Techniques to Increase the Amount of Recycled Waste Through a Multi-agent System. *Advances in Intelligent Systems and Computing*, **2019** , 332-343	0.4	6
27	Hybrid job offer recommender system in a social network. *Expert Systems*, **2019**, 36, e12416	2.1	5
26	Quaternion Neural Networks: State-of-the-Art and Research Challenges. *Lecture Notes in Computer Science*, **2020**, 456-467	0.9	4
25	Smart Buildings IoT Networks Accuracy Evolution Prediction to Improve Their Reliability Using a Lotka-Volterra Ecosystem Model. *Sensors*, **2019**, 19,	3.8	3
24	A Mathematical Study of Barcelona Metro Network. *Electronics (Switzerland)*, **2021**, 10, 557	2.6	3
23	Stochastic Approach for Prediction of WSN Accuracy Degradation with Blockchain Technology. *Advances in Intelligent Systems and Computing*, **2019**, 422-425	0.4	2
22	Bidirectional-Pass Algorithm for Interictal Event Detection. *Advances in Intelligent Systems and Computing*, **2021**, 197-204	0.4	2
21	Blockchain-Based Distributed Cooperative Control Algorithm for WSN Monitoring. *Advances in Intelligent Systems and Computing*, **2019**, 414-417	0.4	2
20	Improving Temperature Control in Smart Buildings Based in IoT Network Slicing Technique **2019**,		2
19	Smart PPE and CPE Platform for Electric Industry Workforce. *Advances in Intelligent Systems and Computing*, **2020**, 422-431	0.4	2
18	SiloMAS: A MAS for Smart Silos to Optimize Food and Water Consumption on Livestock Holdings. *Advances in Intelligent Systems and Computing*, **2020**, 27-37	0.4	2

17	A hybrid intelligent classifier for anomaly detection. *Neurocomputing*, **2021**, 452, 498-507	5.4	2
16	New Approach to Power System Grid Security with a Blockchain-Based Model. *Advances in Intelligent Systems and Computing*, **2019**, 418-421	0.4	1
15	Propagation of the Malware Used in APTs Based on Dynamic Bayesian Networks. *Mathematics*, **2021**, 9, 3097	2.3	1
14	Demand Control Ventilation Strategy by Tracing the Radon Concentration in Smart Buildings. *Advances in Intelligent Systems and Computing*, **2021**, 374-382	0.4	1
13	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. *Lecture Notes in Computer Science*, **2020**, 698-705	0.9	1
12	On the Optimal Control of a Malware Propagation Model. *Mathematics*, **2020**, 8, 1518	2.3	1
11	A New Stability Criterion for IoT Systems in Smart Buildings: Temperature Case Study. *Mathematics*, **2020**, 8, 1412	2.3	1
10	Intelligent Livestock Feeding System by Means of Silos with IoT Technology. *Advances in Intelligent Systems and Computing*, **2020**, 38-48	0.4	1
9	Cooperative Algorithm to Improve Temperature Control in Recovery Unit of Healthcare Facilities. *Advances in Intelligent Systems and Computing*, **2020**, 49-62	0.4	1
8	Smart Contract for Monitoring and Control of Logistics Activities: Garbage Utilities Case Study in a Smart City **2020**, 614-618		1
7	A Reputation Score Proposal for Online Video Platforms. *Lecture Notes in Computer Science*, **2021**, 255-265	0.9	1
6	Transfer Learning for Arthropodous Identification and its Use in the Transmitted Disease Diagnostic. *Communications in Computer and Information Science*, **2021**, 253-260	0.3	1
5	Enhanced Cybersecurity in Smart Cities: Integration Methods of OPC UA and Suricata. *Lecture Notes in Networks and Systems*, **2022**, 61-67	0.5	1
4	The Right to Honour on Social Networks: Detection and Classifications of Users. *Advances in Intelligent Systems and Computing*, **2019**, 90-99	0.4	
3	Comparative of Clustering Techniques for Academic Advice and Performance Measurement. *Advances in Intelligent Systems and Computing*, **2021**, 215-226	0.4	
2	A Hybrid One-Class Topology for Non-convex Sets. *Lecture Notes in Computer Science*, **2020**, 341-349	0.9	
1	Adaptive Fault-Tolerant Tracking Control Algorithm for IoT Systems: Smart Building Case Study. *Advances in Intelligent Systems and Computing*, **2020**, 481-490	0.4	