Javier Prieto

List of Publications by Year
in descending order

100 papers	2,280 citations	279701 23 h-index	254106 43 g-index
106 all docs	106 docs citations	106 times ranked	1818 citing authors

#	Article	IF	Citations
1	How blockchain improves the supply chain: case study alimentary supply chain. Procedia Computer Science, 2018, 134, 393-398.	1.2	320
2	An intelligent Edge-IoT platform for monitoring livestock and crops in a dairy farming scenario. Ad Hoc Networks, 2020, 98, 102047.	3.4	168
3	Non-linear adaptive closed-loop control system for improved efficiency in IoT-blockchain management. Information Fusion, 2019, 49, 227-239.	11.7	112
4	Energy Optimization Using a Case-Based Reasoning Strategy. Sensors, 2018, 18, 865.	2.1	110
5	Adaptive Data Fusion for Wireless Localization in Harsh Environments. IEEE Transactions on Signal Processing, 2012, 60, 1585-1596.	3.2	94
6	Distributed Continuous-Time Fault Estimation Control for Multiple Devices in IoT Networks. IEEE Access, 2019, 7, 11972-11984.	2.6	76
7	IoT network slicing on virtual layers of homogeneous data for improved algorithm operation in smart buildings. Future Generation Computer Systems, 2020, 102, 965-977.	4.9	76
8	Blockchain framework for IoT data quality via edge computing. , 2018, , .		72
9	Artificial neural network analysis of the academic performance of students in virtual learning environments. Neurocomputing, 2021, 423, 713-720.	3.5	53
10	Energy Efficiency in Public Buildings through Context-Aware Social Computing. Sensors, 2017, 17, 826.	2.1	49
11	Blockchain Technology: A Review of the Current Challenges of Cryptocurrency. Advances in Intelligent Systems and Computing, 2020, , 153-160.	0.5	45
12	Topology Assessment Provided by Weighted Barycentric Parameters in Harsh Environment Wireless Location Systems. IEEE Transactions on Signal Processing, 2010, 58, 3842-3857.	3.2	44
13	A Framework for Knowledge Discovery from Wireless Sensor Networks in Rural Environments: A Crop Irrigation Systems Case Study. Wireless Communications and Mobile Computing, 2018, 2018, 1-14.	0.8	42
14	Hybrid RSS-RTT Localization Scheme for Indoor Wireless Networks. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	39
15	Deepint.net: A Rapid Deployment Platform for Smart Territories. Sensors, 2021, 21, 236.	2.1	36
16	Context-Aided Inertial Navigation via<?Pub _newline ?>Belief Condensation. IEEE Transactions on Signal Processing, 2016, 64, 3250-3261.	3.2	34
17	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. Energies, 2018, 11, 3430.	1.6	29
18	Convergence of Distributed Flooding and Its Application for Distributed Bayesian Filtering. IEEE Transactions on Signal and Information Processing Over Networks, 2017, 3, 580-591.	1.6	28

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19	A Framework to Improve Energy Efficient Behaviour at Home through Activity and Context Monitoring. Sensors, 2017, 17, 1749.	2.1	28
20	Pedestrian navigation fusing inertial and RSS/TOF measurements with adaptive movement/measurement models: Experimental evaluation and theoretical limits. Sensors and Actuators A: Physical, 2013, 203, 249-260.	2.0	26
21	Legal Aspects and Emerging Risks in the Use of Smart Contracts Based on Blockchain. Communications in Computer and Information Science, 2019, , 525-535.	0.4	26
22	Smart Contract for Monitoring and Control of Logistics Activities: Pharmaceutical Utilities Case Study. Advances in Intelligent Systems and Computing, 2019, , 509-517.	0.5	25
23	Blockchain Technology in IoT Systems: Review of the Challenges. Annals of Emerging Technologies in Computing, 2019, 3, 17-24.	1.0	25
24	A Robust Multi-Sensor PHD Filter Based on Multi-Sensor Measurement Clustering. IEEE Communications Letters, 2018, 22, 2064-2067.	2.5	24
25	Blockchain-Based Architecture: A MAS Proposal for Efficient Agri-Food Supply Chains. Advances in Intelligent Systems and Computing, 2020, , 89-96.	0.5	24
26	Organization-based Multi-Agent structure of the Smart Home Electricity System. , 2017, , .		23
27	INDOOR LOCATION BASED ON IEEE 802.11 ROUND-TRIP TIME MEASUREMENTS WITH TWO-STEP NLOS MITIGATION. Progress in Electromagnetics Research B, 2009, 15, 285-306.	0.7	21
28	Accurate and Integrated Localization System for Indoor Environments Based on IEEE 802.11 Round-Trip Time Measurements. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	1.5	21
29	NLOS mitigation based on range estimation error characterization in an RTT-based IEEE 802.11, indoor location system. , 2009, , .		19
30	IEEE 802.11 Distance Estimation Based on RTS/CTS Two-Frame Exchange Mechanism. , 2009, , .		19
31	An Ising Spin-Based Model to Explore Efficient Flexibility in Distributed Power Systems. Complexity, 2018, 2018, 1-16.	0.9	19
32	A Serious Game to Reduce Consumption in Smart Buildings. Communications in Computer and Information Science, 2017, , 481-493.	0.4	19
33	Use of Gamification Techniques to Encourage Garbage Recycling. A Smart City Approach. Communications in Computer and Information Science, 2018, , 674-685.	0.4	19
34	How Blockchain Could Improve Fraud Detection in Power Distribution Grid. Advances in Intelligent Systems and Computing, 2019, , 67-76.	0.5	18
35	Smart feeding in farming through IoT in silos. Advances in Intelligent Systems and Computing, 2016, , 355-366.	0.5	17
36	Deep Reinforcement Learning for the Management of Software-Defined Networks and Network Function Virtualization in an Edge-IoT Architecture. Sustainability, 2020, 12, 5706.	1.6	17

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37	Blockchain-based architecture for the control of logistics activities: Pharmaceutical utilities case study. Logic Journal of the IGPL, 2020, , .	1.3	17
38	Deep Reinforcement Learning for the management of Software-Defined Networks in Smart Farming. , 2020, , .		17
39	Increasing Profitability and Monitoring Environmental Performance: A Case Study in the Agri-Food Industry through an Edge-IoT Platform. Sustainability, 2021, 13, 283.	1.6	17
40	A Review of k-NN Algorithm Based on Classical and Quantum Machine Learning. Advances in Intelligent Systems and Computing, 2021, , 189-198.	0.5	17
41	CHARACTERIZATION AND MITIGATION OF RANGE ESTIMATION ERRORS FOR AN RTT-BASED IEEE 802.11 INDOOR LOCATION SYSTEM. Progress in Electromagnetics Research B, 2009, 15, 217-244.	0.7	16
42	Energy Flexibility Management Based on Predictive Dispatch Model of Domestic Energy Management System. Energies, 2017, 10, 1397.	1.6	16
43	Intelligent multi-agent system for water reduction in automotive irrigation processes. Procedia Computer Science, 2019, 151, 971-976.	1.2	16
44	Integration of IoT Technologies in the Maritime Industry. Advances in Intelligent Systems and Computing, 2021, , 107-115.	0.5	16
45	Self-calibration of TOA/distance relationship for wireless localization in harsh environments. , 2012, , .		15
46	Towards a Blockchain-Based Peer-to-Peer Energy Marketplace. Energies, 2022, 15, 3046.	1.6	15
47	Collaborative learning via social computing. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 265-282.	1.5	13
48	Edge Computing and Adaptive Fault-Tolerant Tracking Control Algorithm for Smart Buildings: A Case Study. Cybernetics and Systems, 2020, 51, 685-697.	1.6	13
49	Hybrid RSS-RTT localization scheme for wireless networks. , 2010, , .		10
50	A Self Regulating and Crowdsourced Indoor Positioning System through Wi-Fi Fingerprinting for Multi Storey Building. Sensors, 2018, 18, 3766.	2.1	10
51	A Survey on Software-Defined Networks and Edge Computing over IoT. Communications in Computer and Information Science, 2019, , 289-301.	0.4	10
52	Virtual Organization Structure for Agent-Based Local Electricity Trading. Energies, 2019, 12, 1521.	1.6	10
53	A Sustainable Approach for the Management and Valorization of Underwater Cultural Heritage: New Perspectives from the TECTONIC Project. Sustainability, 2020, 12, 5000.	1.6	10
54	On the minimization of different sources of error for an RTT-based indoor localization system without any calibration stage. , 2010, , .		9

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55	Pedestrian navigation in harsh environments using wireless and inertial measurements. , 2013, , .		9
56	Quaternion Neural Networks: State-of-the-Art and Research Challenges. Lecture Notes in Computer Science, 2020, , 456-467.	1.0	9
57	Accurate and Robust Localization in Harsh Environments Based on V2I Communication. , 0, , .		9
58	Adaptive framework for uncertainty analysis in electromagnetic field measurements. Radiation Protection Dosimetry, 2015, 164, 422-434.	0.4	8
59	Fitting for smoothing: A methodology for continuous-time target track estimation. , 2016, , .		8
60	EnerVMAS: Virtual Agent Organizations to Optimize Energy Consumption Using Intelligent Temperature Calibration. Lecture Notes in Computer Science, 2018, , 387-398.	1.0	8
61	Cooperative Algorithm to Improve Temperature Control in Recovery Unit of Healthcare Facilities. Advances in Intelligent Systems and Computing, 2020, , 49-62.	0.5	8
62	Semantic Analysis System for Industry 4.0. Communications in Computer and Information Science, 2018, , 537-548.	0.4	8
63	Blockchain-Based Systems in Land Registry, A Survey of Their Use and Economic Implications. Advances in Intelligent Systems and Computing, 2021, , 13-22.	0.5	8
64	Cryptocurrencies and Price Prediction: AÂSurvey. Lecture Notes in Networks and Systems, 2022, , 339-346.	0.5	7
65	A generalized framework for wireless localization in gerontechnology. , 2017, , .		6
66	IoT Approaches for Distributed Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	0.8	6
67	A multi-agent system framework for autonomous crop irrigation. , 2019, , .		6
68	Profile generation system using artificial intelligence for information recovery and analysis. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4583-4592.	3.3	6
69	Video Analysis System Using Deep Learning Algorithms. Advances in Intelligent Systems and Computing, 2021, , 186-199.	0.5	6
70	Edge Computing and Internet of Things Based Platform to Improve the Quality of Life of the Silver Economy on Leisure Cruise Ships. , 2021, , .		6
71	Adding indoor location capabilities to an IEEE 802.11 WLAN using real-time RTT measurements. , 2009, , .		5
72	A Novel Pilot Expansion Approach for MIMO Channel Estimation and Tracking. , 2015, , .		5

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73	Reuse of wasted thermal energy in power plants for agricultural crops by means of multi-agent approach. , 2018, , .		5
74	Smart Buildings IoT Networks Accuracy Evolution Prediction to Improve Their Reliability Using a Lotkaâ€"Volterra Ecosystem Model. Sensors, 2019, 19, 4642.	2.1	5
75	Improving Temperature Control in Smart Buildings Based in IoT Network Slicing Technique. , 2019, , .		5
76	Islanded microgrid management based on blockchain communication. , 2020, , 181-193.		5
77	Unified Fingerprinting/Ranging Localization in Harsh Environments. International Journal of Distributed Sensor Networks, 2015, 11, 479765.	1.3	5
78	Blockchain-based land registry platforms: a survey on their implementation and potential challenges. Logic Journal of the IGPL, 2022, 30, 1017-1027.	1.3	5
79	A Review on Deep Reinforcement Learning for the management of SDN and NFV in Edge-IoT. , 2021, , .		5
80	NLOS Mitigation Prior to Range Estimation Smoothing for Wireless Location Systems. , 2010, , .		4
81	E-Field Assessment Errors Caused by the Human Body on Localization Systems. , 2010, , .		4
82	Distance Estimation based on 802.11 RTS/CTS Mechanism for Indoor Localization. , 0, , .		4
83	Assessment of optimum geometric distribution of anchors in non-GNSS wireless location systems. , 2009, , .		3
84	Stochastic Navigation in Smart Cities. Energies, 2017, 10, 929.	1.6	3
85	Real-Time Communication in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	0.8	3
86	Virtual agent organizations for user behaviour pattern extraction in energy optimization processes: A new perspective. Neurocomputing, 2021, 452, 374-385.	3.5	3
87	A short revisit of nonlinear Gaussian filters: State-of-the-art and some concerns. , 2016, , .		2
88	Energy and Spectrum Efficient Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2016, 12, 3708927.	1.3	2
89	SiloMAS: A MAS for Smart Silos to Optimize Food and Water Consumption on Livestock Holdings. Advances in Intelligent Systems and Computing, 2020, , 27-37.	0.5	2
90	Smart Contract for Monitoring and Control of Logistics Activities: Garbage Utilities Case Study in a Smart City. , 2020, , 614-618.		2

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91	Towards the Prioritised Use of Transportation Infrastructures: The Case of Vehicle-Specific Dynamic Access Restrictions in City Centres. Electronics (Switzerland), 2022, 11, 576.	1.8	2
92	Feasibility of Single-Agent Localization from Sequential Measurements. , 2018, , .		1
93	Distributed Computing and Artificial Intelligence, Special Sessions, 15th International Conference. Advances in Intelligent Systems and Computing, 2019, , .	0.5	1
94	Intelligent Livestock Feeding System by Means of Silos with IoT Technology. Advances in Intelligent Systems and Computing, 2020, , 38-48.	0.5	1
95	Blockchain Module for Securing Data Traffic of Industrial Production Machinery on Industrial Platforms 4.0. Lecture Notes in Networks and Systems, 2022, , 39-47.	0.5	1
96	Deep Learning for House Categorisation, a Proposal Towards Automation in Land Registry. Lecture Notes in Computer Science, 2020, , 698-705.	1.0	1
97	Livestock Welfare by Means of an Edge Computing and IoT Platform. Advances in Intelligent Systems and Computing, 2021, , 156-165.	0.5	1
98	An Edge-IoT Architecture and Regression Techniques Applied to an Agriculture Industry Scenario. Lecture Notes in Networks and Systems, 2022, , 92-102.	0.5	0
99	Reducing Emissions Prioritising Transport Utility. Lecture Notes in Networks and Systems, 2022, , 300-311.	0.5	0
100	Extraction of Travellers' Preferences Using Their Tweets. Advances in Intelligent Systems and Computing, 2021, , 224-235.	0.5	0