

# Javier Prieto

## 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.

99  
papers

1,513  
citations

19  
h-index

35  
g-index

106  
ext. papers

1,866  
ext. citations

2  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
99	Blockchain Module for Securing Data Traffic of Industrial Production Machinery on Industrial Platforms 4.0. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 39-47	0.5	
98	An Edge-IoT Architecture and Regression Techniques Applied to an Agriculture Industry Scenario. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 92-102	0.5	
97	Reducing Emissions Prioritising Transport Utility. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 300-311	0.5	
96	Enhanced Cybersecurity in Smart Cities: Integration Methods of OPC UA and Suricata. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 61-67	0.5	1
95	Cryptocurrencies and Price Prediction: A Survey. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 339-346	0.5	3
94	Towards the Prioritised Use of Transportation Infrastructures: The Case of Vehicle-Specific Dynamic Access Restrictions in City Centres. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 576	2.6	0
93	Towards a Blockchain-Based Peer-to-Peer Energy Marketplace. <i>Energies</i> , <b>2022</b> , 15, 3046	3.1	5
92	A Review of k-NN Algorithm Based on Classical and Quantum Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 189-198	0.4	7
91	Video Analysis System Using Deep Learning Algorithms. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 186-199	0.4	4
90	Extraction of Travellers' Preferences Using Their Tweets. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 224-235	0.4	
89	Increasing Profitability and Monitoring Environmental Performance: A Case Study in the Agri-Food Industry through an Edge-IoT Platform. <i>Sustainability</i> , <b>2021</b> , 13, 283	3.6	8
88	Blockchain-Based Systems in Land Registry, A Survey of Their Use and Economic Implications. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 13-22	0.4	3
87	Livestock Welfare by Means of an Edge Computing and IoT Platform. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 156-165	0.4	0
86	Integration of IoT Technologies in the Maritime Industry. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 107-115	0.4	7
85	Artificial neural network analysis of the academic performance of students in virtual learning environments. <i>Neurocomputing</i> , <b>2021</b> , 423, 713-720	5.4	24
84	Virtual agent organizations for user behaviour pattern extraction in energy optimization processes: A new perspective. <i>Neurocomputing</i> , <b>2021</b> , 452, 374-385	5.4	3
83	Deepint.net: A Rapid Deployment Platform for Smart Territories. <i>Sensors</i> , <b>2021</b> , 21,	3.8	21

82	Islanded microgrid management based on blockchain communication <b>2020</b> , 181-193		3
81	A Sustainable Approach for the Management and Valorization of Underwater Cultural Heritage: New Perspectives from the TECTONIC Project. <i>Sustainability</i> , <b>2020</b> , 12, 5000	3.6	5
80	Profile generation system using artificial intelligence for information recovery and analysis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 4583-4592	3.7	4
79	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
78	Quaternion Neural Networks: State-of-the-Art and Research Challenges. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 456-467	0.9	4
77	An intelligent Edge-IoT platform for monitoring livestock and crops in a dairy farming scenario. <i>Ad Hoc Networks</i> , <b>2020</b> , 98, 102047	4.8	83
76	Content-Based Health Recommender Systems <b>2020</b> , 215-236		2
75	Deep Reinforcement Learning for the Management of Software-Defined Networks and Network Function Virtualization in an Edge-IoT Architecture. <i>Sustainability</i> , <b>2020</b> , 12, 5706	3.6	10
74	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
73	Blockchain-based architecture for the control of logistics activities: Pharmaceutical utilities case study. <i>Logic Journal of the IGPL</i> , <b>2020</b> ,	1	10
72	Deep Reinforcement Learning for the management of Software-Defined Networks in Smart Farming <b>2020</b> ,		7
71	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	
70	Smart PPE and CPE Platform for Electric Industry Workforce. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 422-431	0.4	2
69	IoT network slicing on virtual layers of homogeneous data for improved algorithm operation in smart buildings. <i>Future Generation Computer Systems</i> , <b>2020</b> , 102, 965-977	7.5	48
68	SiloMAS: A MAS for Smart Silos to Optimize Food and Water Consumption on Livestock Holdings. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 27-37	0.4	2
67	Intelligent Livestock Feeding System by Means of Silos with IoT Technology. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 38-48	0.4	1
66	Cooperative Algorithm to Improve Temperature Control in Recovery Unit of Healthcare Facilities. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 49-62	0.4	1
65	Blockchain and Applications. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> ,	0.4	1

64	Blockchain-Based Architecture: A MAS Proposal for Efficient Agri-Food Supply Chains. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 89-96	0.4	16
63	Blockchain Technology: A Review of the Current Challenges of Cryptocurrency. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 153-160	0.4	23
62	Smart Contract for Monitoring and Control of Logistics Activities: Garbage Utilities Case Study in a Smart City <b>2020</b> , 614-618		1
61	A multi-agent system framework for autonomous crop irrigation <b>2019</b> ,		5
60	Intelligent multi-agent system for water reduction in automotive irrigation processes. <i>Procedia Computer Science</i> , <b>2019</b> , 151, 971-976	1.6	7
59	A Survey on Software-Defined Networks and Edge Computing over IoT. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 289-301	0.3	9
58	Virtual Organization Structure for Agent-Based Local Electricity Trading. <i>Energies</i> , <b>2019</b> , 12, 1521	3.1	7
57	Collaborative learning via social computing. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2019</b> , 20, 265-282	2.2	9
56	How Blockchain Could Improve Fraud Detection in Power Distribution Grid. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 67-76	0.4	12
55	Smart Contract for Monitoring and Control of Logistics Activities: Pharmaceutical Utilities Case Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 509-517	0.4	15
54	Legal Aspects and Emerging Risks in the Use of Smart Contracts Based on Blockchain. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 525-535	0.3	15
53	Smart Buildings IoT Networks Accuracy Evolution Prediction to Improve Their Reliability Using a Lotka-Volterra Ecosystem Model. <i>Sensors</i> , <b>2019</b> , 19,	3.8	3
52	Blockchain Technology in IoT Systems: Review of the Challenges. <i>Annals of Emerging Technologies in Computing</i> , <b>2019</b> , 3, 17-24	1.2	17
51	Improving Temperature Control in Smart Buildings Based in IoT Network Slicing Technique <b>2019</b> ,		2
50	Distributed Continuous-Time Fault Estimation Control for Multiple Devices in IoT Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 11972-11984	3.5	53
49	Non-linear adaptive closed-loop control system for improved efficiency in IoT-blockchain management. <i>Information Fusion</i> , <b>2019</b> , 49, 227-239	16.7	83
48	IoT Approaches for Distributed Computing. <i>Wireless Communications and Mobile Computing</i> , <b>2018</b> , 2018, 1-2	1.9	4
47	A Framework for Knowledge Discovery from Wireless Sensor Networks in Rural Environments: A Crop Irrigation Systems Case Study. <i>Wireless Communications and Mobile Computing</i> , <b>2018</b> , 2018, 1-14	1.9	34

46	Energy Optimization Using a Case-Based Reasoning Strategy. <i>Sensors</i> , <b>2018</b> , 18,	3.8	85
45	A Robust Multi-Sensor PHD Filter Based on Multi-Sensor Measurement Clustering. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 2064-2067	3.8	17
44	EnerVMAS: Virtual Agent Organizations to Optimize Energy Consumption Using Intelligent Temperature Calibration. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 387-398	0.9	6
43	Semantic Analysis System for Industry 4.0. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 537-548	0.3	7
42	Use of Gamification Techniques to Encourage Garbage Recycling. A Smart City Approach. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 674-685	0.3	11
41	Fault-Tolerant Temperature Control Algorithm for IoT Networks in Smart Buildings. <i>Energies</i> , <b>2018</b> , 11, 3430	3.1	23
40	How blockchain improves the supply chain: case study alimentary supply chain. <i>Procedia Computer Science</i> , <b>2018</b> , 134, 393-398	1.6	203
39	Blockchain framework for IoT data quality via edge computing <b>2018</b> ,		48
38	A Self Regulating and Crowdsourced Indoor Positioning System through Wi-Fi Fingerprinting for Multi Storey Building. <i>Sensors</i> , <b>2018</b> , 18,	3.8	10
37	Reuse of wasted thermal energy in power plants for agricultural crops by means of multi-agent approach <b>2018</b> ,		5
36	Feasibility of Single-Agent Localization from Sequential Measurements <b>2018</b> ,		1
35	Real-Time Communication in Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , <b>2018</b> , 2018, 1-2	1.9	2
34	An Ising Spin-Based Model to Explore Efficient Flexibility in Distributed Power Systems. <i>Complexity</i> , <b>2018</b> , 2018, 1-16	1.6	17
33	Convergence of Distributed Flooding and Its Application for Distributed Bayesian Filtering. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , <b>2017</b> , 3, 580-591	2.8	19
32	Stochastic Navigation in Smart Cities. <i>Energies</i> , <b>2017</b> , 10, 929	3.1	1
31	Energy Flexibility Management Based on Predictive Dispatch Model of Domestic Energy Management System. <i>Energies</i> , <b>2017</b> , 10, 1397	3.1	12
30	Organization-based Multi-Agent structure of the Smart Home Electricity System <b>2017</b> ,		19
29	A generalized framework for wireless localization in gerontechnology <b>2017</b> ,		5

28	Energy Efficiency in Public Buildings through Context-Aware Social Computing. <i>Sensors</i> , <b>2017</b> , 17,	3.8	39
27	A Framework to Improve Energy Efficient Behaviour at Home through Activity and Context Monitoring. <i>Sensors</i> , <b>2017</b> , 17,	3.8	17
26	A Serious Game to Reduce Consumption in Smart Buildings. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 481-493	0.3	17
25	Context-Aided Inertial Navigation via Belief Condensation. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 3250-3261	4.8	28
24	Fitting for smoothing: A methodology for continuous-time target track estimation <b>2016</b> ,		5
23	Smart feeding in farming through IoT in silos. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 355-366		11
22	Adaptive framework for uncertainty analysis in electromagnetic field measurements. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 164, 422-34	0.9	7
21	A Novel Pilot Expansion Approach for MIMO Channel Estimation and Tracking <b>2015</b> ,		2
20	Unified Fingerprinting/Ranging Localization in Harsh Environments. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 479765	1.7	5
19	Pedestrian navigation in harsh environments using wireless and inertial measurements <b>2013</b> ,		9
18	Pedestrian navigation fusing inertial and RSS/TOF measurements with adaptive movement/measurement models: Experimental evaluation and theoretical limits. <i>Sensors and Actuators A: Physical</i> , <b>2013</b> , 203, 249-260	3.9	21
17	Adaptive Data Fusion for Wireless Localization in Harsh Environments. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 1585-1596	4.8	81
16	Self-calibration of TOA/distance relationship for wireless localization in harsh environments <b>2012</b> ,		5
15	Distance Estimation based on 802.11 RTS/CTS Mechanism for Indoor Localization <b>2011</b> ,		1
14	Hybrid RSS-RTT Localization Scheme for Indoor Wireless Networks. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2010</b> , 2010,	1.9	35
13	NLOS Mitigation Prior to Range Estimation Smoothing for Wireless Location Systems <b>2010</b> ,		3
12	Accurate and Integrated Localization System for Indoor Environments Based on IEEE 802.11 Round-Trip Time Measurements. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2010</b> , 2010,	3.2	18
11	Topology Assessment Provided by Weighted Barycentric Parameters in Harsh Environment Wireless Location Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2010</b> , 58, 3842-3857	4.8	33

10	Hybrid RSS-RTT localization scheme for wireless networks <b>2010</b> ,		8
9	E-Field Assessment Errors Caused by the Human Body on Localization Systems <b>2010</b> ,		3
8	On the minimization of different sources of error for an RTT-based indoor localization system without any calibration stage <b>2010</b> ,		9
7	INDOOR LOCATION BASED ON IEEE 802.11 ROUND-TRIP TIME MEASUREMENTS WITH TWO-STEP NLOS MITIGATION. <i>Progress in Electromagnetics Research B</i> , <b>2009</b> , 15, 285-306	0.7	14
6	NLOS mitigation based on range estimation error characterization in an RTT-based IEEE 802.11, indoor location system <b>2009</b> ,		14
5	Assessment of optimum geometric distribution of anchors in non-GNSS wireless location systems <b>2009</b> ,		1
4	IEEE 802.11 Distance Estimation Based on RTS/CTS Two-Frame Exchange Mechanism <b>2009</b> ,		11
3	Adding indoor location capabilities to an IEEE 802.11 WLAN using real-time RTT measurements <b>2009</b> ,		2
2	CHARACTERIZATION AND MITIGATION OF RANGE ESTIMATION ERRORS FOR AN RTT-BASED IEEE 802.11 INDOOR LOCATION SYSTEM. <i>Progress in Electromagnetics Research B</i> , <b>2009</b> , 15, 217-244	0.7	13
1	Accurate and Robust Localization in Harsh Environments Based on V2I Communication		9