

Jaime Lloret

List of Publications by Year in descending order

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574
papers

13,333
citations

31976

53
h-index

49909

87
g-index

594
all docs

594
docs citations

594
times ranked

11350
citing authors

#	ARTICLE	IF	CITATIONS
1	Network Traffic Classifier With Convolutional and Recurrent Neural Networks for Internet of Things. IEEE Access, 2017, 5, 18042-18050.	4.2	487
2	A Survey on Electric Power Demand Forecasting: Future Trends in Smart Grids, Microgrids and Smart Buildings. IEEE Communications Surveys and Tutorials, 2014, 16, 1460-1495.	39.4	387
3	IoT-Based Smart Irrigation Systems: An Overview on the Recent Trends on Sensors and IoT Systems for Irrigation in Precision Agriculture. Sensors, 2020, 20, 1042.	3.8	321
4	Context-aware vehicular cyber-physical systems with cloud support: architecture, challenges, and solutions. , 2014, 52, 106-113.		310
5	A Wireless Sensor Network Deployment for Rural and Forest Fire Detection and Verification. Sensors, 2009, 9, 8722-8747.	3.8	243
6	Secure Surveillance Framework for IoT Systems Using Probabilistic Image Encryption. IEEE Transactions on Industrial Informatics, 2018, 14, 3679-3689.	11.3	219
7	An Integrated IoT Architecture for Smart Metering. , 2016, 54, 50-57.		206
8	Underwater Acoustic Modems. IEEE Sensors Journal, 2016, 16, 4063-4071.	4.7	199
9	Conditional Variational Autoencoder for Prediction and Feature Recovery Applied to Intrusion Detection in IoT. Sensors, 2017, 17, 1967.	3.8	189
10	A multi-agent system architecture for smart grid management and forecasting of energy demand in virtual power plants. , 2013, 51, 106-113.		172
11	Artificial neural networks for short-term load forecasting in microgrids environment. Energy, 2014, 75, 252-264.	8.8	170
12	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	8.0	170
13	A Time-Driven Data Placement Strategy for a Scientific Workflow Combining Edge Computing and Cloud Computing. IEEE Transactions on Industrial Informatics, 2019, 15, 4254-4265.	11.3	164
14	CODIE: Controlled Data and Interest Evaluation in Vehicular Named Data Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 3954-3963.	6.3	156
15	Grey wolf optimization based clustering algorithm for vehicular ad-hoc networks. Computers and Electrical Engineering, 2018, 70, 853-870.	4.8	147
16	Underwater Wireless Sensor Communications in the 2.4 GHz ISM Frequency Band. Sensors, 2012, 12, 4237-4264.	3.8	145
17	Short-Term Load Forecasting for Microgrids Based on Artificial Neural Networks. Energies, 2013, 6, 1385-1408.	3.1	121
18	A Wireless Sensor Network for Vineyard Monitoring That Uses Image Processing. Sensors, 2011, 11, 6165-6196.	3.8	119

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19	Context-Aware Cloud Robotics for Material Handling in Cognitive Industrial Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2272-2281.	8.7	115
20	An architecture and protocol for smart continuous eHealth monitoring using 5G. Computer Networks, 2017, 129, 340-351.	5.1	114
21	Seamless Outdoors-Indoors Localization Solutions on Smartphones. ACM Computing Surveys, 2016, 48, 1-34.	23.0	107
22	Power Saving and Energy Optimization Techniques for Wireless Sensor Networks (Invited Paper). Journal of Communications, 2011, 6, .	1.6	107
23	A smart communication architecture for ambient assisted living. , 2015, 53, 26-33.		106
24	Cold-Start Recommendation Using Bi-Clustering and Fusion for Large-Scale Social Recommender Systems. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 239-250.	4.6	105
25	Multimedia group and inter-stream synchronization techniques: A comparative study. Information Systems, 2009, 34, 108-131.	3.6	101
26	Design and Deployment of Low-Cost Sensors for Monitoring the Water Quality and Fish Behavior in Aquaculture Tanks during the Feeding Process. Sensors, 2018, 18, 750.	3.8	97
27	Underwater Sensor Nodes and Networks. Sensors, 2013, 13, 11782-11796.	3.8	96
28	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. IEEE Access, 2015, 3, 1729-1739.	4.2	96
29	Virtualization in Wireless Sensor Networks: Fault Tolerant Embedding for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 571-580.	8.7	96
30	Systems and WBANs for Controlling Obesity. Journal of Healthcare Engineering, 2018, 2018, 1-21.	1.9	91
31	Design and development of low cost smart turbidity sensor for water quality monitoring in fish farms. Aquacultural Engineering, 2018, 81, 10-18.	3.1	90
32	Mobile Sensing Systems. Sensors, 2013, 13, 17292-17321.	3.8	87
33	Beaconing Approaches in Vehicular Ad Hoc Networks: A Survey. Wireless Personal Communications, 2013, 73, 885-912.	2.7	86
34	Artificial Neural Network for Short-Term Load Forecasting in Distribution Systems. Energies, 2014, 7, 1576-1598.	3.1	86
35	An IoT service-oriented system for agriculture monitoring. , 2017, , .		84
36	An Efficient Deep Learning Framework for Intelligent Energy Management in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 3170-3179.	8.7	80

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37	Optimized Cluster-Based Dynamic Energy-Aware Routing Protocol for Wireless Sensor Networks in Agriculture Precision. <i>Journal of Sensors</i> , 2020, 2020, 1-19.	1.1	79
38	Distributed Database Management Techniques for Wireless Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015, 26, 604-620.	5.6	78
39	Security in networks of unmanned aerial vehicles for surveillance with an agent-based approach inspired by the principles of blockchain. <i>Ad Hoc Networks</i> , 2019, 86, 72-82.	5.5	78
40	A comprehensive survey of multi-view video summarization. <i>Pattern Recognition</i> , 2021, 109, 107567.	8.1	78
41	Development of a Conductivity Sensor for Monitoring Groundwater Resources to Optimize Water Management in Smart City Environments. <i>Sensors</i> , 2015, 15, 20990-21015.	3.8	77
42	Including artificial intelligence in a routing protocol using Software Defined Networks. , 2017, , .		77
43	Towards video streaming in IoT Environments: Vehicular communication perspective. <i>Computer Communications</i> , 2018, 118, 93-119.	5.1	76
44	Pain-Free Blood Glucose Monitoring Using Wearable Sensors: Recent Advancements and Future Prospects. <i>IEEE Reviews in Biomedical Engineering</i> , 2018, 11, 21-35.	18.0	75
45	A Smart Decision System for Digital Farming. <i>Agronomy</i> , 2019, 9, 216.	3.0	74
46	Long Short-Term Memory and Fuzzy Logic for Anomaly Detection and Mitigation in Software-Defined Network Environment. <i>IEEE Access</i> , 2020, 8, 83765-83781.	4.2	74
47	Near real-time security system applied to SDN environments in IoT networks using convolutional neural network. <i>Computers and Electrical Engineering</i> , 2020, 86, 106738.	4.8	72
48	Software Defined Network-based control system for an efficient traffic management for emergency situations in smart cities. <i>Future Generation Computer Systems</i> , 2018, 88, 243-253.	7.5	71
49	A GRU deep learning system against attacks in software defined networks. <i>Journal of Network and Computer Applications</i> , 2021, 177, 102942.	9.1	68
50	Wireless Technologies for IoT in Smart Cities. <i>Network Protocols and Algorithms</i> , 2018, 10, 23.	1.0	66
51	Adversarial Deep Learning approach detection and defense against DDoS attacks in SDN environments. <i>Future Generation Computer Systems</i> , 2021, 125, 156-167.	7.5	66
52	Advanced Industrial Wireless Sensor Networks and Intelligent IoT. , 2018, 56, 14-15.		61
53	Saving energy and improving communications using cooperative group-based Wireless Sensor Networks. <i>Telecommunication Systems</i> , 2013, 52, 2489-2502.	2.5	60
54	CASMOC: a novel complex alliance strategy with multi-objective optimization of coverage in wireless sensor networks. <i>Wireless Networks</i> , 2017, 23, 1201-1222.	3.0	59

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55	Imminent Communication Technologies for Smart Communities: Part 2. IEEE Communications Magazine, 2018, 56, 80-81.	6.1	59
56	An Intelligent System for Video Surveillance in IoT Environments. IEEE Access, 2018, 6, 31580-31598.	4.2	59
57	Channel Modeling and Characteristics for 6G Wireless Communications. IEEE Network, 2021, 35, 296-303.	6.9	59
58	Energy-efficient multi-level and distance-aware clustering mechanism for WSNs. International Journal of Communication Systems, 2015, 28, 972-989.	2.5	58
59	Intelligent IoT Traffic Classification Using Novel Search Strategy for Fast-Based-Correlation Feature Selection in Industrial Environments. IEEE Internet of Things Journal, 2018, 5, 1616-1624.	8.7	58
60	Smart System for Bicarbonate Control in Irrigation for Hydroponic Precision Farming. Sensors, 2018, 18, 1333.	3.8	57
61	ELDC: An Artificial Neural Network Based Energy-Efficient and Robust Routing Scheme for Pollution Monitoring in WSNs. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 106-114.	4.6	56
62	Intelligent beaconless geographical forwarding for urban vehicular environments. Wireless Networks, 2013, 19, 345-362.	3.0	55
63	Deployment Strategies of Soil Monitoring WSN for Precision Agriculture Irrigation Scheduling in Rural Areas. Sensors, 2021, 21, 1693.	3.8	55
64	A Hybrid Stochastic Approach for Self-Location of Wireless Sensors in Indoor Environments. Sensors, 2009, 9, 3695-3712.	3.8	53
65	Geometry-Based Localization for GPS Outage in Vehicular Cyber Physical Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3800-3812.	6.3	53
66	A Cluster-Based Architecture to Structure the Topology of Parallel Wireless Sensor Networks. Sensors, 2009, 9, 10513-10544.	3.8	52
67	Using Concept Lattice for Personalized Recommendation System Design. IEEE Systems Journal, 2017, 11, 305-314.	4.6	51
68	Deadline-Aware Fair Scheduling for Offloaded Tasks in Fog Computing With Inter-Fog Dependency. IEEE Communications Letters, 2020, 24, 307-311.	4.1	51
69	Shallow neural network with kernel approximation for prediction problems in highly demanding data networks. Expert Systems With Applications, 2019, 124, 196-208.	7.6	50
70	Internet of Things for Measuring Human Activities in Ambient Assisted Living and e-Health. Network Protocols and Algorithms, 2016, 8, 15.	1.0	49
71	An Optimized Probabilistic Delay Tolerant Network (DTN) Routing Protocol Based on Scheduling Mechanism for Internet of Things (IoT). Sensors, 2019, 19, 243.	3.8	48
72	Elastic and cost-effective data carrier architecture for smart contract in blockchain. Future Generation Computer Systems, 2019, 100, 590-599.	7.5	46

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73	Fog computing enabled cost-effective distributed summarization of surveillance videos for smart cities. <i>Journal of Parallel and Distributed Computing</i> , 2019, 126, 161-170.	4.1	46
74	Smart system for children's chronic illness monitoring. <i>Information Fusion</i> , 2018, 40, 76-86.	19.1	45
75	Human-Centric AI for Trustworthy IoT Systems With Explainable Multilayer Perceptrons. <i>IEEE Access</i> , 2019, 7, 125562-125574.	4.2	45
76	Wireless Sensors Self-Location in an Indoor WLAN Environment. , 2007, , .		43
77	A Secure Protocol for Spontaneous Wireless Ad Hoc Networks Creation. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013, 24, 629-641.	5.6	42
78	Smart Collaborative Mobile System for Taking Care of Disabled and Elderly People. <i>Mobile Networks and Applications</i> , 2014, 19, 287-302.	3.3	42
79	A Mobile Anchor Assisted Localization Algorithm Based on Regular Hexagon in Wireless Sensor Networks. <i>Scientific World Journal, The</i> , 2014, 2014, 1-13.	2.1	41
80	Toward Energy-Oriented Optimization for Green Communication in Sensor Enabled IoT Environments. <i>IEEE Systems Journal</i> , 2020, 14, 4663-4673.	4.6	41
81	Physical Sensors for Precision Aquaculture: A Review. <i>IEEE Sensors Journal</i> , 2018, 18, 3915-3923.	4.7	40
82	A QoE management system to improve the IPTV network. <i>International Journal of Communication Systems</i> , 2011, 24, 118-138.	2.5	39
83	Architecture and protocol for intercloud communication. <i>Information Sciences</i> , 2014, 258, 434-451.	6.9	39
84	IRPL: An energy efficient routing protocol for wireless sensor networks. <i>Journal of Systems Architecture</i> , 2017, 75, 35-49.	4.3	39
85	Green Computing in Underwater Wireless Sensor Networks Pressure Centric Energy Modeling. <i>IEEE Systems Journal</i> , 2020, 14, 4735-4745.	4.6	39
86	A Performance-to-Cost Analysis of IEEE 802.15.4 MAC With 802.15.4e MAC Modes. <i>IEEE Access</i> , 2020, 8, 41936-41950.	4.2	39
87	Deep Learning Model for Multimedia Quality of Experience Prediction Based on Network Flow Packets. <i>IEEE Communications Magazine</i> , 2018, 56, 110-117.	6.1	38
88	Intelligent and Energy-Efficient Data Prioritization in Green Smart Cities: Current Challenges and Future Directions. <i>IEEE Communications Magazine</i> , 2019, 57, 60-65.	6.1	38
89	LoRaWAN Network for Fire Monitoring in Rural Environments. <i>Electronics (Switzerland)</i> , 2020, 9, 531.	3.1	38
90	Secure Routing Protocol Using Cross-Layer Design and Energy Harvesting in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 374796.	2.2	37

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91	Underwater Wireless Communications in Freshwater at 2.4 GHz. IEEE Communications Letters, 2013, 17, 1794-1797.	4.1	37
92	Cross-Layer Energy Optimization for IoT Environments: Technical Advances and Opportunities. Energies, 2017, 10, 2073.	3.1	37
93	Spectral and Energy Efficient Low-Overhead Uplink and Downlink Channel Estimation for 5G Massive MIMO Systems. Entropy, 2018, 20, 92.	2.2	37
94	Drone assisted Flying Ad-Hoc Networks: Mobility and Service oriented modeling using Neuro-fuzzy. Ad Hoc Networks, 2020, 106, 102242.	5.5	37
95	Real Deployments of Wireless Sensor Networks. , 2009, , .		36
96	Routing Protocols in Vehicular Ad hoc Networks: Survey and Research Challenges. Network Protocols and Algorithms, 0, , 39.	1.0	36
97	A Decentralized Deadline-Driven Electric Vehicle Charging Recommendation. IEEE Systems Journal, 2019, 13, 3410-3421.	4.6	36
98	Machine Learning Prediction Approach to Enhance Congestion Control in 5G IoT Environment. Electronics (Switzerland), 2019, 8, 607.	3.1	36
99	A Smart Glucose Monitoring System for Diabetic Patient. Electronics (Switzerland), 2020, 9, 678.	3.1	36
100	Self-Assessment Based Clustering Data Dissemination for Sparse and Dense Traffic Conditions for Internet of Vehicles. IEEE Access, 2020, 8, 10363-10372.	4.2	36
101	Improved Short-Term Load Forecasting Based on Two-Stage Predictions with Artificial Neural Networks in a Microgrid Environment. Energies, 2013, 6, 4489-4507.	3.1	35
102	Robust Image Hashing Based Efficient Authentication for Smart Industrial Environment. IEEE Transactions on Industrial Informatics, 2019, 15, 6541-6550.	11.3	35
103	Pairing-based authentication protocol for V2G networks in smart grid. Ad Hoc Networks, 2019, 90, 101745.	5.5	35
104	A Wireless Sensor Network Deployment for Soil Moisture Monitoring in Precision Agriculture. Sensors, 2021, 21, 7243.	3.8	35
105	An RTP/RTCP based approach for multimedia group and inter-stream synchronization. Multimedia Tools and Applications, 2008, 40, 285-319.	3.9	34
106	A secure and low-energy zone-based wireless sensor networks routing protocol for pollution monitoring. Wireless Communications and Mobile Computing, 2016, 16, 2869-2883.	1.2	34
107	GBP-WAHSN: A Group-Based Protocol for Large Wireless Ad Hoc and Sensor Networks. Journal of Computer Science and Technology, 2008, 23, 461-480.	1.5	33
108	A mobile health monitoring solution for weight control. , 2011, , .		33

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109	Group-based underwater wireless sensor network for marine fish farms. , 2011, , .		33
110	Group-based protocol and mobility model for VANETs to offer internet access. Journal of Network and Computer Applications, 2013, 36, 1027-1038.	9.1	33
111	Lightweight algorithm for protecting SDN controller against DDoS attacks. , 2017, , .		33
112	Agent-Based Simulation of Smart Beds With Internet-of-Things for Exploring Big Data Analytics. IEEE Access, 2018, 6, 366-379.	4.2	33
113	Security in Vehicles With IoT by Prioritization Rules, Vehicle Certificates, and Trust Management. IEEE Internet of Things Journal, 2019, 6, 5927-5934.	8.7	33
114	A hybrid intelligent model for network selection in the industrial Internet of Things. Applied Soft Computing Journal, 2019, 74, 529-546.	7.2	33
115	Fuzzy-Based Channel Selection for Location Oriented Services in Multichannel VCPS Environments. IEEE Internet of Things Journal, 2018, 5, 4642-4651.	8.7	32
116	An m-health application for cerebral stroke detection and monitoring using cloud services. International Journal of Information Management, 2019, 45, 319-327.	17.5	32
117	A Smart Architecture for Diabetic Patient Monitoring Using Machine Learning Algorithms. Healthcare (Switzerland), 2020, 8, 348.	2.0	32
118	Experimental Analysis of the Input Variablesâ€™ Relevance to Forecast Next Dayâ€™s Aggregated Electric Demand Using Neural Networks. Energies, 2013, 6, 2927-2948.	3.1	31
119	A Survey on Proxy Mobile IPv6 Handover. IEEE Systems Journal, 2016, 10, 208-217.	4.6	31
120	Incorrect Facemask-Wearing Detection Using Convolutional Neural Networks with Transfer Learning. Healthcare (Switzerland), 2021, 9, 1050.	2.0	31
121	Spectrum Assignment in Hardware-Constrained Cognitive Radio IoT Networks Under Varying Channel-Quality Conditions. IEEE Access, 2019, 7, 42816-42825.	4.2	30
122	Improving networks using group-based topologies. Computer Communications, 2008, 31, 3438-3450.	5.1	29
123	A QoE Management System for Ubiquitous IPTV Devices. , 2009, , .		28
124	A secure NFC application for credit transfer among mobile phones. , 2012, , .		28
125	Cross-Layer Dynamic Admission Control for Cloud-Based Multimedia Sensor Networks. IEEE Systems Journal, 2014, 8, 235-246.	4.6	28
126	Road Perception Based Geographical Routing Protocol for Vehicular Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2016, 12, 2617480.	2.2	28

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127	Towards Efficient Sink Mobility in Underwater Wireless Sensor Networks. <i>Energies</i> , 2018, 11, 1471.	3.1	28
128	Internet of Unmanned Aerial Vehicles: QoS Provisioning in Aerial Ad-Hoc Networks. <i>Sensors</i> , 2020, 20, 3160.	3.8	28
129	An Intelligent Vertical Handover Scheme for Audio and Video Streaming in Heterogeneous Vehicular Networks. <i>Mobile Networks and Applications</i> , 2013, 18, 879-895.	3.3	27
130	Design and deployment of a smart system for data gathering in aquaculture tanks using wireless sensor networks. <i>International Journal of Communication Systems</i> , 2017, 30, e3335.	2.5	27
131	OSPF routing protocol performance in Software Defined Networks. , 2017, , .		27
132	Efficient Conversion of Deep Features to Compact Binary Codes Using Fourier Decomposition for Multimedia Big Data. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 3205-3215.	11.3	27
133	ABSCEV: An agent-based simulation framework about smart transportation for reducing waiting times in charging electric vehicles. <i>Computer Networks</i> , 2018, 138, 119-135.	5.1	27
134	Low Cost LoRa based Network for Forest Fire Detection. , 2019, , .		27
135	Support Vector Regression for Mobile Target Localization in Indoor Environments. <i>Sensors</i> , 2022, 22, 358.	3.8	27
136	Systems and Algorithms for Wireless Sensor Networks Based on Animal and Natural Behavior. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 625972.	2.2	26
137	Multimedia sensors embedded in smartphones for ambient assisted living and e-health. <i>Multimedia Tools and Applications</i> , 2016, 75, 13271-13297.	3.9	26
138	Birthmark based identification of software piracy using Haar wavelet. <i>Mathematics and Computers in Simulation</i> , 2019, 166, 144-154.	4.4	26
139	IEEE 802.11a/b/g/n Indoor Coverage and Performance Comparison. , 2010, , .		25
140	Road-Aware Routing Strategies for Vehicular Ad Hoc Networks: Characteristics and Comparisons. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 1605734.	2.2	25
141	A Novel Shortcut Addition Algorithm With Particle Swarm for Multisink Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3566-3577.	11.3	25
142	Distributed media-aware flow scheduling in cloud computing environment. <i>Computer Communications</i> , 2012, 35, 1819-1827.	5.1	24
143	A Network Access Control Framework for 6LoWPAN Networks. <i>Sensors</i> , 2013, 13, 1210-1230.	3.8	24
144	An underwater wireless group-based sensor network for marine fish farms sustainability monitoring. <i>Telecommunication Systems</i> , 2015, 60, 67-84.	2.5	24

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145	Glucose Data Classification for Diabetic Patient Monitoring. Applied Sciences (Switzerland), 2019, 9, 4459.	2.5	24
146	Coordinate Memory Deduplication and Partition for Improving Performance in Cloud Computing. IEEE Transactions on Cloud Computing, 2019, 7, 357-368.	4.4	24
147	Defenses Against Perception-Layer Attacks on IoT Smart Furniture for Impaired People. IEEE Access, 2020, 8, 119795-119805.	4.2	24
148	Multiple Kernel Driven Clustering With Locally Consistent and Selfish Graph in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 2956-2963.	11.3	24
149	Two secure and energy-saving spontaneous ad-hoc protocol for wireless mesh client networks. Journal of Network and Computer Applications, 2011, 34, 492-505.	9.1	23
150	Denial of service mitigation approach for IPv6-enabled smart object networks. Concurrency Computation Practice and Experience, 2013, 25, 129-142.	2.2	23
151	A Localization Method Avoiding Flip Ambiguities for Micro-UAVs with Bounded Distance Measurement Errors. IEEE Transactions on Mobile Computing, 2019, 18, 1718-1730.	5.8	23
152	A network management algorithm and protocol for improving QoE in mobile IPTV. Computer Communications, 2012, 35, 1855-1870.	5.1	22
153	Spontaneous Ad Hoc Mobile Cloud Computing Network. Scientific World Journal, The, 2014, 2014, 1-19.	2.1	22
154	A smart handover prediction system based on curve fitting model for Fast Mobile IPv6 in wireless networks. International Journal of Communication Systems, 2014, 27, 969-990.	2.5	22
155	Oceanographic Multisensor Buoy Based on Low Cost Sensors for Posidonia Meadows Monitoring in Mediterranean Sea. Journal of Sensors, 2015, 2015, 1-23.	1.1	22
156	Replication-Aware Data Dissemination for Vehicular Ad Hoc Networks using Location Determination. Mobile Networks and Applications, 2015, 20, 251-267.	3.3	22
157	LAPEL: Hop Limit Based Adaptive PIT Entry Lifetime for Vehicular Named Data Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5546-5557.	6.3	22
158	Edge detection for weed recognition in lawns. Computers and Electronics in Agriculture, 2020, 176, 105684.	7.7	22
159	A QoE adaptive management system for high definition video streaming over wireless networks. Telecommunication Systems, 2021, 77, 63-81.	2.5	22
160	Received Signal Strength Based Target Localization and Tracking Using Wireless Sensor Networks. EAI/Springer Innovations in Communication and Computing, 2022, , .	1.1	22
161	Ubiquitous Monitoring of Electrical Household Appliances. Sensors, 2012, 12, 15159-15191.	3.8	21
162	Internet of things: where to be is to trust. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	21

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163	A group-based wireless body sensors network using energy harvesting for soccer team monitoring. International Journal of Sensor Networks, 2016, 21, 208.	0.4	21
164	An Efficient Approach for Coordination of Dual-Channel Closed-Loop Supply Chain Management. Sustainability, 2018, 10, 3433.	3.2	21
165	EETP-MAC: energy efficient traffic prioritization for medium access control in wireless body area networks. Telecommunication Systems, 2020, 75, 181-203.	2.5	21
166	RGB Vegetation Indices, NDVI, and Biomass as Indicators to Evaluate C3 and C4 Turfgrass under Different Water Conditions. Sustainability, 2020, 12, 2160.	3.2	21
167	Internet of Things: Surveys for Measuring Human Activities from Everywhere. International Journal of Electrical and Computer Engineering, 2017, 7, 2474.	0.7	21
168	A survey of secure protocols in Mobile IPv6. Journal of Network and Computer Applications, 2014, 39, 351-368.	9.1	20
169	An IoT-based smart pillow for sleep quality monitoring in AAL environments. , 2018, , .		20
170	Towards green communication in wireless sensor network: GA enabled distributed zone approach. Ad Hoc Networks, 2019, 93, 101903.	5.5	20
171	Time division multiple access scheduling strategies for emerging vehicular ad hoc network medium access control protocols: a survey. Telecommunication Systems, 2019, 70, 595-616.	2.5	20
172	An Intelligent Algorithm for Resource Sharing and Self-Management of Wireless-IoT-Gateway. IEEE Access, 2020, 8, 3159-3170.	4.2	20
173	Secured Big Data Analytics for Decision-Oriented Medical System Using Internet of Things. Electronics (Switzerland), 2021, 10, 1273.	3.1	20
174	A Machine Learning SDN-Enabled Big Data Model for IoMT Systems. Electronics (Switzerland), 2021, 10, 2228.	3.1	20
175	TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. IEEE Transactions on Vehicular Technology, 2020, 69, 6869-6879.	6.3	20
176	LoRa-based Network for Water Quality Monitoring in Coastal Areas. Mobile Networks and Applications, 2023, 28, 65-81.	3.3	20
177	Improved Geographical Routing in Vehicular Ad Hoc Networks. Wireless Personal Communications, 2015, 80, 785-804.	2.7	19
178	Ad hoc Network for Emergency Rescue System based on Unmanned Aerial Vehicles. Network Protocols and Algorithms, 2016, 7, 72.	1.0	19
179	Game Theoretic Solution for Power Management in IoT-Based Wireless Sensor Networks. Sensors, 2019, 19, 3835.	3.8	19
180	Leveraging Intelligent Computation Offloading with Fog/Edge Computing for Tactile Internet: Advantages and Limitations. IEEE Network, 2020, 34, 322-329.	6.9	19

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181	Energy-Efficient IoT e-Health Using Artificial Intelligence Model with Homomorphic Secret Sharing. <i>Energies</i> , 2021, 14, 6414.	3.1	19
182	Performance analysis of V2V dynamic anchor position-based routing protocols. <i>Wireless Networks</i> , 2015, 21, 911-929.	3.0	18
183	A survey of IEEE 802.15.4 effective system parameters for wireless body sensor networks. <i>International Journal of Communication Systems</i> , 2016, 29, 1269-1292.	2.5	18
184	Towards Green Computing Oriented Security: A Lightweight Postquantum Signature for IoE. <i>Sensors</i> , 2021, 21, 1883.	3.8	18
185	Study of Multimedia Delivery over Software Defined Networks. <i>Network Protocols and Algorithms</i> , 2016, 7, 37.	1.0	17
186	System to Recommend the Best Place to Live Based on Wellness State of the User Employing the Heart Rate Variability. <i>IEEE Access</i> , 2017, 5, 10594-10604.	4.2	17
187	Transmission and Latency-Aware Load Balancing for Fog Radio Access Networks. , 2018, , .		17
188	Design of a WSN for smart irrigation in citrus plots with fault-tolerance and energy-saving algorithms. <i>Network Protocols and Algorithms</i> , 2018, 10, 95.	1.0	17
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