

# 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	LoRa-based Network for Water Quality Monitoring in Coastal Areas. Mobile Networks and Applications, 2023, 28, 65-81.	3.3	20
2	A Beacon and GTS Scheduling Scheme for IEEE 802.15.4 DSME Networks. IEEE Internet of Things Journal, 2022, 9, 5162-5172.	8.7	5
3	Survey of Existing RSSI-Based L&T Systems. EAI/Springer Innovations in Communication and Computing, 2022, , 49-64.	1.1	2
4	Fundamentals of Wireless Sensor Networks. EAI/Springer Innovations in Communication and Computing, 2022, , 1-19.	1.1	8
5	Target Localization and Tracking Using WSN. EAI/Springer Innovations in Communication and Computing, 2022, , 21-48.	1.1	1
6	Artificial intelligent system for multimedia services in smart home environments. Cluster Computing, 2022, 25, 2085-2105.	5.0	8
7	GRNN-Based Target L&T Using RSSI. EAI/Springer Innovations in Communication and Computing, 2022, , 133-170.	1.1	2
8	Received Signal Strength Based Target Localization and Tracking Using Wireless Sensor Networks. EAI/Springer Innovations in Communication and Computing, 2022, , .	1.1	22
9	Big Data Classification and Internet of Things in Healthcare. , 2022, , 1458-1476.		0
10	DADC: A Novel Duty-cycling Scheme for IEEE 802.15.4 Cluster-tree-based IoT Applications. ACM Transactions on Internet Technology, 2022, 22, 1-26.	4.4	2
11	Analytical models for randomized neighbor discovery protocols based on collision detection in wireless ad hoc networks. Ad Hoc Networks, 2022, 126, 102739.	5.5	5
12	Unsupervised online anomaly detection in Software Defined Network environments. Expert Systems With Applications, 2022, 191, 116225.	7.6	6
13	An integrated SWOT-AHP-fuzzy TOPSIS approach for maturity management following the COVID-19 outbreak: lessons learned from fast fashion. Journal of Global Operations and Strategic Sourcing, 2022, 15, 510-533.	4.6	8
14	Support Vector Regression for Mobile Target Localization in Indoor Environments. Sensors, 2022, 22, 358.	3.8	27
15	5G for mobile augmented reality. International Journal of Communication Systems, 2022, 35, .	2.5	0
16	Editorial: 5G for Augmented Reality. Mobile Networks and Applications, 2022, 27, 849-850.	3.3	1
17	Complexity Problems Handled by Advanced Computer Simulation Technology in Smart Cities 2021. Complexity, 2022, 2022, 1-3.	1.6	2
18	Low-Cost Sensor to Detect the Blood in Urine. Advances in Intelligent Systems and Computing, 2022, , 1011-1020.	0.6	0

#	ARTICLE	IF	CITATIONS
19	The Usefulness of Drone Imagery and Remote Sensing Methods for Monitoring Turfgrass Irrigation. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 913-923.	0.6	3
20	SWAP: Smart WATER Protocol for the Irrigation of Urban Gardens in Smart Cities. <i>IEEE Access</i> , 2022, 10, 39239-39247.	4.2	12
21	Device-to-Device (D2D) Multi-Criteria Learning Algorithm Using Secured Sensors. <i>Sensors</i> , 2022, 22, 2115.	3.8	14
22	Towards Resilient and Secure Cooperative Behavior of Intelligent Transportation System Using Sensor Technologies. <i>IEEE Sensors Journal</i> , 2022, 22, 7352-7360.	4.7	9
23	Remote sensing devices as key methods in the advanced turfgrass phenotyping under different water regimes. <i>Agricultural Water Management</i> , 2022, 266, 107581.	5.6	15
24	Methodology to Differentiate Legume Species in Intercropping Agroecosystems Based on UAV with RGB Camera. <i>Electronics (Switzerland)</i> , 2022, 11, 609.	3.1	3
25	Video Streaming Adaptive QoS Routing with Resource Reservation (VQoSRR) Model for SDN Networks. <i>Electronics (Switzerland)</i> , 2022, 11, 1252.	3.1	5
26	Optimized Embedded Healthcare Industry Model with Lightweight Computing Using Wireless Body Area Network. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-10.	1.2	1
27	Green Communication in Internet of Things: A Hybrid Bio-Inspired Intelligent Approach. <i>Sensors</i> , 2022, 22, 3910.	3.8	4
28	Editorial Augmented Reality for Bioinformatics. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2403-2404.	6.3	0
29	Self-Sovereignty Identity Management Model for Smart Healthcare System. <i>Sensors</i> , 2022, 22, 4714.	3.8	9
30	EmotIoT: An IoT System to Improve Users' Wellbeing. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5804.	2.5	9
31	Joint wireless resource allocation and service function chaining scheduling for Tactile Internet. <i>Computer Networks</i> , 2022, 213, 109113.	5.1	0
32	A Gated Recurrent Unit Deep Learning Model to Detect and Mitigate Distributed Denial of Service and Portscan Attacks. <i>IEEE Access</i> , 2022, 10, 73229-73242.	4.2	2
33	Delay-Optimal and Incentive-Aware Computation Offloading for Reconfigurable Intelligent Surface-Assisted Mobile Edge Computing. <i>IEEE Networking Letters</i> , 2022, 4, 127-131.	1.9	0
34	Use of wireless sensor network system based on water level, rain, conductivity, oil and turbidity sensors to monitor the storm sewerage. <i>IET Wireless Sensor Systems</i> , 2022, 12, 103-121.	1.7	1
35	NCHR: A Nonthreshold-Based Cluster-Head Rotation Scheme for IEEE 802.15.4 Cluster-Tree Networks. <i>IEEE Internet of Things Journal</i> , 2021, 8, 168-178.	8.7	15
36	CROSA: Context-aware cloud service ranking approach using online reviews based on sentiment analysis. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, 1-1.	2.2	3

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37	A comprehensive survey of multi-view video summarization. Pattern Recognition, 2021, 109, 107567.	8.1	78
38	An Efficient Deep Learning Framework for Intelligent Energy Management in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 3170-3179.	8.7	80
39	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
40	IoT-networks group-based model that uses AI for workgroup allocation. Computer Networks, 2021, 186, 107745.	5.1	5
41	Channel Modeling and Characteristics for 6G Wireless Communications. IEEE Network, 2021, 35, 296-303.	6.9	59
42	Multikernel Clustering via Non-Negative Matrix Factorization Tailored Graph Tensor Over Distributed Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1946-1956.	14.0	17
43	Secrecy Rate Maximization in Virtual-MIMO Enabled SWIPT for 5G Centric IoT Applications. IEEE Systems Journal, 2021, 15, 2810-2821.	4.6	14
44	A deep multimodal system for provenance filtering with universal forgery detection and localization. Multimedia Tools and Applications, 2021, 80, 17025-17044.	3.9	5
45	IEEE Access Special Section Editorial: Toward Service-Centric Internet of Things (IoT): From Modeling to Practice. IEEE Access, 2021, 9, 91259-91264.	4.2	0
46	A Repository of Method Fragments for Agent-Oriented Development of Learning-Based Edge Computing Systems. IEEE Network, 2021, 35, 156-162.	6.9	10
47	A QoE adaptive management system for high definition video streaming over wireless networks. Telecommunication Systems, 2021, 77, 63-81.	2.5	22
48	An IoT Based diabetic patient Monitoring System Using Machine Learning and Node MCU. Journal of Physics: Conference Series, 2021, 1743, 012035.	0.4	16
49	Wireless Sensor Network to Create a Water Quality Observatory in Coastal Areas. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 100-118.	0.3	1
50	Internet of Things (IoT)-Based Wireless Health: Enabling Technologies and Applications. Electronics (Switzerland), 2021, 10, 148.	3.1	11
51	An Asynchronous Leader-Based Neighbor Discovery Protocol in Static Wireless Ad Hoc Networks. Lecture Notes in Networks and Systems, 2021, , 145-161.	0.7	0
52	A Joint Filter and Spectrum Shifting Architecture for Low Complexity Flexible UFMC in 5G. IEEE Transactions on Wireless Communications, 2021, 20, 6706-6714.	9.2	4
53	Correlation of NDVI with RGB Data to Evaluate the Effects of Solar Exposure on Different Combinations of Ornamental Grass Used in Lawns. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 207-220.	0.3	0
54	A Proposal for Monitoring Grass Coverage in Citrus Crops Applying Time Series Analysis in Sentinel-2 Bands. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 193-206.	0.3	0

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55	Evaluating the Effects of Environmental Conditions on Sensed Parameters for Green Areas Monitoring and Smart Irrigation Systems. <i>Sensors</i> , 2021, 21, 2255.	3.8	1
56	Guest Editorial: 5G for Internet of Things. <i>IEEE Network</i> , 2021, 35, 16-17.	6.9	2
57	Towards Green Computing Oriented Security: A Lightweight Postquantum Signature for IoE. <i>Sensors</i> , 2021, 21, 1883.	3.8	18
58	Deployment Strategies of Soil Monitoring WSN for Precision Agriculture Irrigation Scheduling in Rural Areas. <i>Sensors</i> , 2021, 21, 1693.	3.8	55
59	A Low-Cost Sensor for Detecting Illicit Discharge in Sewerage. <i>Journal of Sensors</i> , 2021, 2021, 1-16.	1.1	7
60	A Rhizogenic Biostimulant Effect on Soil Fertility and Roots Growth of Turfgrass. <i>Agronomy</i> , 2021, 11, 573.	3.0	13
61	Randomized neighbor discovery protocols with collision detection for static multi-hop wireless ad hoc networks. <i>Telecommunication Systems</i> , 2021, 77, 577-596.	2.5	1
62	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
63	Real-time image processing for augmented reality on mobile devices. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 245-248.	3.5	7
64	MASEMUL: A Simulation Tool for Movement-Aware MANET Scheduling Strategies for Multimedia Communications. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-12.	1.2	13
65	New Protocol and Architecture for a Wastewater Treatment System Intended for Irrigation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3648.	2.5	5
66	Secured Big Data Analytics for Decision-Oriented Medical System Using Internet of Things. <i>Electronics (Switzerland)</i> , 2021, 10, 1273.	3.1	20
67	An automated model for the assessment of QoE of adaptive video streaming over wireless networks. <i>Multimedia Tools and Applications</i> , 2021, 80, 26833-26854.	3.9	14
68	Guest Editorial Software Defined Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3504-3510.	8.0	8
69	Grouping and Sponsoring Centric Green Coverage Model for Internet of Things. <i>Sensors</i> , 2021, 21, 3948.	3.8	11
70	A Deep Segmentation Network of Stent Structs Based on IoT for Interventional Cardiovascular Diagnosis. <i>IEEE Wireless Communications</i> , 2021, 28, 36-43.	9.0	16
71	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4316-4336.	8.0	170
72	A Spontaneous Wireless Ad Hoc Trusted Neighbor Network Creation Protocol. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-20.	1.2	2

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73	Incorrect Facemask-Wearing Detection Using Convolutional Neural Networks with Transfer Learning. Healthcare (Switzerland), 2021, 9, 1050.	2.0	31
74	Mobility Support 5G Architecture with Real-Time Routing for Sustainable Smart Cities. Sustainability, 2021, 13, 9092.	3.2	16
75	Low-Cost System Based on Optical Sensor to Monitor Discharge of Industrial Oil in Irrigation Ditches. Sensors, 2021, 21, 5449.	3.8	5
76	Efficient data uncertainty management for health industrial internet of things using machine learning. International Journal of Communication Systems, 2021, 34, e4948.	2.5	10
77	Drone RGB Images as a Reliable Information Source to Determine Legumes Establishment Success. Drones, 2021, 5, 79.	4.9	6
78	Special Issue on "Augmented Reality, Virtual Reality & Semantic 3D Reconstruction" Applied Sciences (Switzerland), 2021, 11, 8590.	2.5	2
79	A Machine Learning SDN-Enabled Big Data Model for IoMT Systems. Electronics (Switzerland), 2021, 10, 2228.	3.1	20
80	Design and Calibration of Moisture Sensor Based on Electromagnetic Field Measurement for Irrigation Monitoring. Chemosensors, 2021, 9, 251.	3.6	3
81	A QoS-Based routing algorithm over software defined networks. Journal of Network and Computer Applications, 2021, 194, 103215.	9.1	16
82	Adversarial Deep Learning approach detection and defense against DDoS attacks in SDN environments. Future Generation Computer Systems, 2021, 125, 156-167.	7.5	66
83	A new system to detect coronavirus social distance violation. International Journal of Electrical and Computer Engineering, 2021, 11, 5034.	0.7	0
84	Multi-layer Fog Computing Framework for Constrained LoRa Networks Intended for Water Quality Monitoring and Precision Agriculture Systems. , 2021, , .		0
85	Design of a Tag Antenna for IoT Applications in the Healthcare Field. , 2021, , .		0
86	Cluster-Based Communication Protocol and Architecture for a Wastewater Purification System Intended for Irrigation. IEEE Access, 2021, 9, 142374-142389.	4.2	7
87	A WiFi-Based Sensor Network for Flood Irrigation Control in Agriculture. Electronics (Switzerland), 2021, 10, 2454.	3.1	6
88	Reliable Bidirectional Data Transfer Approach for the Internet of Secured Medical Things Using ZigBee Wireless Network. Applied Sciences (Switzerland), 2021, 11, 9947.	2.5	4
89	Energy-Efficient IoT e-Health Using Artificial Intelligence Model with Homomorphic Secret Sharing. Energies, 2021, 14, 6414.	3.1	19
90	A Wireless Sensor Network Deployment for Soil Moisture Monitoring in Precision Agriculture. Sensors, 2021, 21, 7243.	3.8	35

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91	An Optimization Model with Network Edges for Multimedia Sensors Using Artificial Intelligence of Things. <i>Sensors</i> , 2021, 21, 7103.	3.8	7
92	Development of a Low-Cost Optical Sensor to Detect Eutrophication in Irrigation Reservoirs. <i>Sensors</i> , 2021, 21, 7637.	3.8	5
93	Improved trilateration for indoor localization: Neural network and centroid-based approach. <i>International Journal of Distributed Sensor Networks</i> , 2021, 17, 155014772110539.	2.2	14
94	Design of a Tag Antenna for IoT Applications in the Healthcare Field. , 2021, , .		0
95	The Combined Use of Remote Sensing and Wireless Sensor Network to Estimate Soil Moisture in Golf Course. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11769.	2.5	5
96	EETP-MAC: energy efficient traffic prioritization for medium access control in wireless body area networks. <i>Telecommunication Systems</i> , 2020, 75, 181-203.	2.5	21
97	ELDC: An Artificial Neural Network Based Energy-Efficient and Robust Routing Scheme for Pollution Monitoring in WSNs. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020, 8, 106-114.	4.6	56
98	Anomaly Detection in UASN Localization Based on Time Series Analysis and Fuzzy Logic. <i>Mobile Networks and Applications</i> , 2020, 25, 55-67.	3.3	5
99	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
100	Reconfigurable Architecture of UFMC Transmitter for 5G and Its FPGA Prototype. <i>IEEE Systems Journal</i> , 2020, 14, 28-38.	4.6	11
101	An Intelligent Algorithm for Resource Sharing and Self-Management of Wireless-IoT-Gateway. <i>IEEE Access</i> , 2020, 8, 3159-3170.	4.2	20
102	Mitigation of mutual interference in IEEE 802.15.4-based wireless body sensor networks deployed in e-health monitoring systems. <i>Wireless Networks</i> , 2020, 26, 2857-2874.	3.0	4
103	Deadline-Aware Fair Scheduling for Offloaded Tasks in Fog Computing With Inter-Fog Dependency. <i>IEEE Communications Letters</i> , 2020, 24, 307-311.	4.1	51
104	On enhancing model-based expectation maximization source separation in dynamic reverberant conditions using automatic Clifton effect. <i>International Journal of Communication Systems</i> , 2020, 33, e4210.	2.5	1
105	A robust multimedia traffic SDN-Based management system using patterns and models of QoE estimation with BRNN. <i>Journal of Network and Computer Applications</i> , 2020, 150, 102498.	9.1	6
106	Big Data Classification and Internet of Things in Healthcare. <i>International Journal of E-Health and Medical Communications</i> , 2020, 11, 20-37.	1.6	13
107	A Smart Architecture for Diabetic Patient Monitoring Using Machine Learning Algorithms. <i>Healthcare (Switzerland)</i> , 2020, 8, 348.	2.0	32
108	Evaluating Irrigation Efficiency with Performance Indicators: A Case Study of Citrus in the East of Spain. <i>Agronomy</i> , 2020, 10, 1359.	3.0	9

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109	An Array-Type System Applied to Complex Surfaces in Nuclear Pollution Detection. Electronics (Switzerland), 2020, 9, 1870.	3.1	2
110	Architecture and Protocol to Optimize Videoconference in Wireless Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-22.	1.2	0
111	Edge detection for weed recognition in lawns. Computers and Electronics in Agriculture, 2020, 176, 105684.	7.7	22
112	IoT-WLAN Proximity Network for Potentiostats. , 2020, , .		1
113	Development of Inductive Sensor for Control Gate Opening of an Agricultural Irrigation System. , 2020, , .		1
114	New Sensor Based on Magnetic Fields for Monitoring the Concentration of Organic Fertilisers in Fertigation Systems. Applied Sciences (Switzerland), 2020, 10, 7222.	2.5	4
115	Close2U: An App for Monitoring Cancer Patients with Enriched Information from Interaction Patterns. Journal of Healthcare Engineering, 2020, 2020, 1-13.	1.9	5
116	Leveraging Intelligent Computation Offloading with Fog/Edge Computing for Tactile Internet: Advantages and Limitations. IEEE Network, 2020, 34, 322-329.	6.9	19
117	Improved Road Segment-Based Geographical Routing Protocol for Vehicular Ad-hoc Networks. Electronics (Switzerland), 2020, 9, 1248.	3.1	6
118	Green Communication for Underwater Wireless Sensor Networks: Triangle Metric Based Multi-Layered Routing Protocol. Sensors, 2020, 20, 7278.	3.8	6
119	DronAway: A Proposal on the Use of Remote Sensing Drones as Mobile Gateway for WSN in Precision Agriculture. Applied Sciences (Switzerland), 2020, 10, 6668.	2.5	16
120	Toward Energy-Oriented Optimization for Green Communication in Sensor Enabled IoT Environments. IEEE Systems Journal, 2020, 14, 4663-4673.	4.6	41
121	Revenue Maximization in Delay-Aware Computation Offloading Among Service Providers With Fog Federation. IEEE Communications Letters, 2020, 24, 1799-1803.	4.1	15
122	A Smart Glucose Monitoring System for Diabetic Patient. Electronics (Switzerland), 2020, 9, 678.	3.1	36
123	Internet of Unmanned Aerial Vehicles: QoS Provisioning in Aerial Ad-Hoc Networks. Sensors, 2020, 20, 3160.	3.8	28
124	IEEE Access Special Section Editorial: Emerging Trends, Issues, and Challenges in Energy-Efficient Cloud Computing. IEEE Access, 2020, 8, 108847-108856.	4.2	1
125	Green Computing in Underwater Wireless Sensor Networks Pressure Centric Energy Modeling. IEEE Systems Journal, 2020, 14, 4735-4745.	4.6	39
126	Drone assisted Flying Ad-Hoc Networks: Mobility and Service oriented modeling using Neuro-fuzzy. Ad Hoc Networks, 2020, 106, 102242.	5.5	37



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127	A Performance-to-Cost Analysis of IEEE 802.15.4 MAC With 802.15.4e MAC Modes. IEEE Access, 2020, 8, 41936-41950.	4.2	39
128	Near real-time security system applied to SDN environments in IoT networks using convolutional neural network. Computers and Electrical Engineering, 2020, 86, 106738.	4.8	72
129	Defenses Against Perception-Layer Attacks on IoT Smart Furniture for Impaired People. IEEE Access, 2020, 8, 119795-119805.	4.2	24
130	FIPA-based reference architecture for efficient discovery and selection of appropriate cloud service using cloud ontology. International Journal of Communication Systems, 2020, 33, e4504.	2.5	8
131	A Hardware-Efficient and Reconfigurable UFMC Transmitter Architecture With its FPGA Prototype. IEEE Embedded Systems Letters, 2020, 12, 109-112.	1.9	3
132	Optimized Cluster-Based Dynamic Energy-Aware Routing Protocol for Wireless Sensor Networks in Agriculture Precision. Journal of Sensors, 2020, 2020, 1-19.	1.1	79
133	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
134	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
135	Smart Green Communication Protocols Based on Several-Fold Messages Extracted from Common Sequential Patterns in UAVs. IEEE Network, 2020, 34, 249-255.	6.9	3
136	LoRaWAN Network for Fire Monitoring in Rural Environments. Electronics (Switzerland), 2020, 9, 531.	3.1	38
137	Low-Rank Hypergraph Hashing for Large-Scale Remote Sensing Image Retrieval. Remote Sensing, 2020, 12, 1164.	4.0	11
138	Exploiting Multi-Verse Optimization and Sine-Cosine Algorithms for Energy Management in Smart Cities. Applied Sciences (Switzerland), 2020, 10, 2095.	2.5	17
139	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
140	The Impact of Mobility Speed over Varying Radio Propagation Models Using Routing Protocol in MANET. Lecture Notes in Networks and Systems, 2020, , 277-288.	0.7	1
141	Application of Supervised Learning Approach for Target Localization in Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2020, , 493-519.	0.6	15
142	Long Short-Term Memory and Fuzzy Logic for Anomaly Detection and Mitigation in Software-Defined Network Environment. IEEE Access, 2020, 8, 83765-83781.	4.2	74
143	Collision-Aware Deterministic Neighbor Discovery in Static Ad Hoc Wireless Networks. , 2020, , .		3
144	Editorial RGB-D Sensors and 3D Reconstruction. IEEE Sensors Journal, 2020, 20, 11751-11752.	4.7	3

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145	Unmanned aerial vehicles optimal airtime estimation for energy aware deployment in IoT-enabled fifth generation cellular networks. Eurasip Journal on Wireless Communications and Networking, 2020, ,	2.4	8
146	A New Conductivity Sensor for Monitoring the Fertigation in Smart Irrigation Systems. Advances in Intelligent Systems and Computing, 2020, , 136-144.	0.6	5
147	Estimation of the Best Measuring Time for the Environmental Parameters of a Low-Cost Meteorology Monitoring System. Lecture Notes in Networks and Systems, 2020, , 137-144.	0.7	1
148	Sensors and Biosorption for Better Reuse of Wastewater. Advances in Intelligent Systems and Computing, 2020, , 321-330.	0.6	0
149	TRADING: Traffic Aware Data Offloading for Big Data Enabled Intelligent Transportation System. IEEE Transactions on Vehicular Technology, 2020, 69, 6869-6879.	6.3	20
150	Implementation of an Optical Sensor to Detect Fish in Aquiculture Tanks. , 2020, , .		1
151	A Novel Low-Cost Conductivity Based Soil Moisture Sensor. Advances in Intelligent Systems and Computing, 2020, , 27-35.	0.6	2
152	An overview on IoUT and the performance of WiFi low-cost nodes for IoUT Applications. , 2020, , .		1
153	A secure task-offloading framework for cooperative fog computing environment. , 2020, , .		3
154	Non-invasive Wireless Mobile System for COVID-19 Monitoring in Nursing Homes. , 2020, , .		2
155	Container description ontology for CaaS. International Journal of Web and Grid Services, 2020, 16, 341.	0.5	2
156	Development of Optical Sensor to detect Industrial Oil in Agricultural Irrigation System. , 2020, , .		0
157	WLAN IEEE 802.11b/g/n Coverage Study for Rural Areas. , 2020, , .		3
158	Towards a cooperative security system for mobile-health applications. Electronic Commerce Research, 2019, 19, 629.	5.0	0
159	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
160	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
161	A Decentralized Deadline-Driven Electric Vehicle Charging Recommendation. IEEE Systems Journal, 2019, 13, 3410-3421.	4.6	36
162	Guest Editorial Special Issue on Toward Securing Internet of Connected Vehicles (IoV) From Virtual Vehicle Hijacking. IEEE Internet of Things Journal, 2019, 6, 5866-5869.	8.7	2

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163	Collaborative LoRa-Based Sensor Network for Pollution Monitoring in Smart Cities. , 2019, , .		7
164	Special Section on Emerging Trends Issues and Challenges in Edge Artificial Intelligence. IEEE Transactions on Industrial Informatics, 2019, 15, 4172-4177.	11.3	2
165	Machine Learning Prediction Approach to Enhance Congestion Control in 5G IoT Environment. Electronics (Switzerland), 2019, 8, 607.	3.1	36
166	LBS: A Beacon Synchronization Scheme With Higher Schedulability for IEEE 802.15.4 Cluster-Tree-Based IoT Applications. IEEE Internet of Things Journal, 2019, 6, 8883-8896.	8.7	16
167	Machine Learning/AI for IoT, M2M, and Computer Communication. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3757.	3.9	5
168	SDNâ€œDMM for intelligent mobility management in heterogeneous mobile IP networks. International Journal of Communication Systems, 2019, 32, e4140.	2.5	6
169	Human-Centric AI for Trustworthy IoT Systems With Explainable Multilayer Perceptrons. IEEE Access, 2019, 7, 125562-125574.	4.2	45
170	Guest Editorial: Interactive Virtual Environments for Neuroscience. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1863-1864.	6.3	0
171	Water Conductivity Sensor based on Coils to Detect Illegal Dumpings in Smart Cities. , 2019, , .		1
172	Synchronization for Diffusion-Based Molecular Communication Systems via Faster Molecules. , 2019, , .		10
173	Secret sharing-based authentication and key agreement protocol for machine-type communications. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984100.	2.2	3
174	Managing a Multi-device Multimedia Service Using Software Defined Networks. , 2019, , .		0
175	Game Theoretic Solution for Power Management in IoT-Based Wireless Sensor Networks. Sensors, 2019, 19, 3835.	3.8	19
176	Editorial: Advances in Green Communications and Networking. Mobile Networks and Applications, 2019, 24, 653-656.	3.3	3
177	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
178	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
179	Sensor Network Proposal for Greenhouse Automation placed at the South of Algeria. Network Protocols and Algorithms, 2019, 10, 53.	1.0	4
180	An Energy-Efficient IoT Group-Based Architecture for Smart Cities. Studies in Systems, Decision and Control, 2019, , 111-127.	1.0	5

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