

Mohsen Guizani

List of Publications by Year in descending order

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1,134
papers

45,439
citations

4641

85
h-index

4535

171
g-index

1152
all docs

1152
docs citations

1152
times ranked

29513
citing authors

#	ARTICLE	IF	CITATIONS
1	Internet of Things: A Survey on Enabling Technologies, Protocols, and Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 2347-2376.	24.8	5,614
2	Unmanned Aerial Vehicles (UAVs): A Survey on Civil Applications and Key Research Challenges. IEEE Access, 2019, 7, 48572-48634.	2.6	1,221
3	Deep Learning for IoT Big Data and Streaming Analytics: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2923-2960.	24.8	905
4	MeDShare: Trust-Less Medical Data Sharing Among Cloud Service Providers via Blockchain. IEEE Access, 2017, 5, 14757-14767.	2.6	834
5	A Comprehensive Review of the COVID-19 Pandemic and the Role of IoT, Drones, AI, Blockchain, and 5G in Managing its Impact. IEEE Access, 2020, 8, 90225-90265.	2.6	802
6	A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security. IEEE Communications Surveys and Tutorials, 2020, 22, 1646-1685.	24.8	576
7	5G wireless backhaul networks: challenges and research advances. IEEE Network, 2014, 28, 6-11.	4.9	486
8	Internet of Things Architecture: Recent Advances, Taxonomy, Requirements, and Open Challenges. IEEE Wireless Communications, 2017, 24, 10-16.	6.6	442
9	An effective key management scheme for heterogeneous sensor networks. Ad Hoc Networks, 2007, 5, 24-34.	3.4	427
10	Smart Cities: A Survey on Data Management, Security, and Enabling Technologies. IEEE Communications Surveys and Tutorials, 2017, 19, 2456-2501.	24.8	383
11	Home M2M networks: Architectures, standards, and QoS improvement. , 2011, 49, 44-52.		374
12	A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 2220-2243.	24.8	370
13	Transactions papers a routing-driven Elliptic Curve Cryptography based key management scheme for Heterogeneous Sensor Networks. IEEE Transactions on Wireless Communications, 2009, 8, 1223-1229.	6.1	321
14	Reliable Federated Learning for Mobile Networks. IEEE Wireless Communications, 2020, 27, 72-80.	6.6	321
15	Internet-of-things-based smart environments: state of the art, taxonomy, and open research challenges. IEEE Wireless Communications, 2016, 23, 10-16.	6.6	315
16	Privacy-Preserving Support Vector Machine Training Over Blockchain-Based Encrypted IoT Data in Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7702-7712.	5.5	313
17	Edge Computing in the Industrial Internet of Things Environment: Software-Defined-Networks-Based Edge-Cloud Interplay. , 2018, 56, 44-51.		297
18	CorrAUC: A Malicious Bot-IoT Traffic Detection Method in IoT Network Using Machine-Learning Techniques. IEEE Internet of Things Journal, 2021, 8, 3242-3254.	5.5	296

#	ARTICLE	IF	CITATIONS
19	Semisupervised Deep Reinforcement Learning in Support of IoT and Smart City Services. IEEE Internet of Things Journal, 2018, 5, 624-635.	5.5	293
20	Timing Channel in IaaS: How to Identify and Investigate. IEEE Access, 2019, 7, 1-11.	2.6	286
21	A Survey on Federated Learning: The Journey From Centralized to Distributed On-Site Learning and Beyond. IEEE Internet of Things Journal, 2021, 8, 5476-5497.	5.5	283
22	5G D2D Networks: Techniques, Challenges, and Future Prospects. IEEE Systems Journal, 2018, 12, 3970-3984.	2.9	262
23	Selection of effective machine learning algorithm and Bot-IoT attacks traffic identification for internet of things in smart city. Future Generation Computer Systems, 2020, 107, 433-442.	4.9	256
24	5G Millimeter-Wave Antenna Array: Design and Challenges. IEEE Wireless Communications, 2017, 24, 106-112.	6.6	252
25	Deep Feature Learning for Medical Image Analysis with Convolutional Autoencoder Neural Network. IEEE Transactions on Big Data, 2021, 7, 750-758.	4.4	247
26	Cognitive radio based hierarchical communications infrastructure for smart grid. IEEE Network, 2011, 25, 6-14.	4.9	235
27	A Distributed Deep Learning System for Web Attack Detection on Edge Devices. IEEE Transactions on Industrial Informatics, 2020, 16, 1963-1971.	7.2	234
28	A survey of secure mobile Ad Hoc routing protocols. IEEE Communications Surveys and Tutorials, 2008, 10, 78-93.	24.8	224
29	ACPN: A Novel Authentication Framework with Conditional Privacy-Preservation and Non-Repudiation for VANETs. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 938-948.	4.0	223
30	When Mobile Crowd Sensing Meets UAV: Energy-Efficient Task Assignment and Route Planning. IEEE Transactions on Communications, 2018, 66, 5526-5538.	4.9	221
31	An Efficient Distributed Trust Model for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1228-1237.	4.0	218
32	Call Admission Control Optimization in WiMAX Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2509-2522.	3.9	216
33	Blockchain and IoT-Based Cognitive Edge Framework for Sharing Economy Services in a Smart City. IEEE Access, 2019, 7, 18611-18621.	2.6	216
34	Blockchain-Assisted Secure Device Authentication for Cross-Domain Industrial IoT. IEEE Journal on Selected Areas in Communications, 2020, 38, 942-954.	9.7	201
35	The rise of ransomware and emerging security challenges in the Internet of Things. Computer Networks, 2017, 129, 444-458.	3.2	197
36	Security in Mobile Edge Caching with Reinforcement Learning. IEEE Wireless Communications, 2018, 25, 116-122.	6.6	188

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37	Software-Defined Networking for RSU Clouds in Support of the Internet of Vehicles. IEEE Internet of Things Journal, 2015, 2, 133-144.	5.5	184
38	Multiple Moving Targets Surveillance Based on a Cooperative Network for Multi-UAV. IEEE Communications Magazine, 2018, 56, 82-89.	4.9	180
39	Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. IEEE Communications Surveys and Tutorials, 2019, 21, 3340-3385.	24.8	167
40	Digital Twin for Intelligent Context-Aware IoT Healthcare Systems. IEEE Internet of Things Journal, 2021, 8, 16749-16757.	5.5	166
41	Network function virtualization in 5G. , 2016, 54, 84-91.		165
42	IoT malicious traffic identification using wrapper-based feature selection mechanisms. Computers and Security, 2020, 94, 101863.	4.0	165
43	Blockchain-Based On-Demand Computing Resource Trading in IoV-Assisted Smart City. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1373-1385.	3.2	160
44	Drone-Assisted Public Safety Networks: The Security Aspect. IEEE Communications Magazine, 2017, 55, 218-223.	4.9	157
45	The Internet of Things: A Review of Enabled Technologies and Future Challenges. IEEE Access, 2019, 7, 7606-7640.	2.6	152
46	Towards Dynamic Coordination Among Home Appliances Using Multi-Objective Energy Optimization for Demand Side Management in Smart Buildings. IEEE Access, 2018, 6, 19509-19529.	2.6	151
47	A Comprehensive Review of Unmanned Aerial Vehicle Attacks and Neutralization Techniques. Ad Hoc Networks, 2021, 111, 102324.	3.4	149
48	Evaluating Reputation Management Schemes of Internet of Vehicles Based on Evolutionary Game Theory. IEEE Transactions on Vehicular Technology, 2019, 68, 5971-5980.	3.9	148
49	A Blockchain-SDN-Enabled Internet of Vehicles Environment for Fog Computing and 5G Networks. IEEE Internet of Things Journal, 2020, 7, 4278-4291.	5.5	147
50	Trust Management Techniques for the Internet of Things: A Survey. IEEE Access, 2019, 7, 29763-29787.	2.6	146
51	SecAuthUAV: A Novel Authentication Scheme for UAV-Ground Station and UAV-UAV Communication. IEEE Transactions on Vehicular Technology, 2020, 69, 15068-15077.	3.9	145
52	Secure UAV Communication Networks over 5G. IEEE Wireless Communications, 2019, 26, 114-120.	6.6	144
53	Toward better horizontal integration among IoT services. , 2015, 53, 72-79.		141
54	When Energy Trading Meets Blockchain in Electrical Power System: The State of the Art. Applied Sciences (Switzerland), 2019, 9, 1561.	1.3	140

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55	Communication Security of Unmanned Aerial Vehicles. IEEE Wireless Communications, 2017, 24, 134-139.	6.6	139
56	Routing protocols for underwater wireless sensor networks. , 2015, 53, 72-78.		138
57	A Cooperation Strategy Based on Nash Bargaining Solution in Cooperative Relay Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2570-2577.	3.9	137
58	BPDS: A Blockchain Based Privacy-Preserving Data Sharing for Electronic Medical Records. , 2018, , .		136
59	Secure and Efficient Data Transmission for Cluster-Based Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 750-761.	4.0	131
60	Caching in Information-Centric Networking: Strategies, Challenges, and Future Research Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1443-1474.	24.8	130
61	Applications of blockchain in unmanned aerial vehicles: A review. Vehicular Communications, 2020, 23, 100249.	2.7	130
62	Blockchain-Based Mobile Edge Computing Framework for Secure Therapy Applications. IEEE Access, 2018, 6, 72469-72478.	2.6	129
63	Cross-layer-based modeling for quality of service guarantees in mobile wireless networks. , 2006, 44, 100-106.		126
64	Enabling Smart Cloud Services Through Remote Sensing: An Internet of Everything Enabler. IEEE Internet of Things Journal, 2014, 1, 276-288.	5.5	122
65	Topology Discovery in Software Defined Networks: Threats, Taxonomy, and State-of-the-Art. IEEE Communications Surveys and Tutorials, 2017, 19, 303-324.	24.8	122
66	Energy-Efficient Resource Allocation and Provisioning Framework for Cloud Data Centers. IEEE Transactions on Network and Service Management, 2015, 12, 377-391.	3.2	121
67	An Attack-Resistant Trust Model Based on Multidimensional Trust Metrics in Underwater Acoustic Sensor Network. IEEE Transactions on Mobile Computing, 2015, 14, 2447-2459.	3.9	121
68	Machine learning in the Internet of Things: Designed techniques for smart cities. Future Generation Computer Systems, 2019, 100, 826-843.	4.9	121
69	Energy Efficient Integration of Renewable Energy Sources in the Smart Grid for Demand Side Management. IEEE Access, 2018, 6, 77077-77096.	2.6	120
70	A data-driven method for future Internet route decision modeling. Future Generation Computer Systems, 2019, 95, 212-220.	4.9	119
71	DTRAB: Combating Against Attacks on Encrypted Protocols Through Traffic-Feature Analysis. IEEE/ACM Transactions on Networking, 2010, 18, 1234-1247.	2.6	117
72	Green internet of things using UAVs in B5G networks: A review of applications and strategies. Ad Hoc Networks, 2021, 117, 102505.	3.4	114

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73	Compressed Wideband Spectrum Sensing: Concept, Challenges, and Enablers. IEEE Communications Magazine, 2018, 56, 136-141.	4.9	113
74	Reliable Task Offloading for Vehicular Fog Computing Under Information Asymmetry and Information Uncertainty. IEEE Transactions on Vehicular Technology, 2019, 68, 8322-8335.	3.9	112
75	Software-defined networking security: pros and cons. , 2015, 53, 73-79.		110
76	A survey of Internet of Things communication using ICN: A use case perspective. Computer Communications, 2019, 142-143, 95-123.	3.1	109
77	Derivation of PAPR Distribution for OFDM Wireless Systems Based on Extreme Value Theory. IEEE Transactions on Wireless Communications, 2008, 7, 1298-1305.	6.1	108
78	DL-CRC: Deep Learning-Based Chest Radiograph Classification for COVID-19 Detection: A Novel Approach. IEEE Access, 2020, 8, 171575-171589.	2.6	108
79	An Accurate and Fast Converging Short-Term Load Forecasting Model for Industrial Applications in a Smart Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 2587-2596.	7.2	107
80	Security in the Internet of Things Supported by Mobile Edge Computing. IEEE Communications Magazine, 2018, 56, 56-61.	4.9	106
81	Edge and fog computing for IoT: A survey on current research activities & future directions. Computer Communications, 2021, 180, 210-231.	3.1	106
82	Auction Design and Analysis for SDN-Based Traffic Offloading in Hybrid Satellite-Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 2202-2217.	9.7	105
83	Graph Neural Network-Driven Traffic Forecasting for the Connected Internet of Vehicles. IEEE Transactions on Network Science and Engineering, 2022, 9, 3015-3027.	4.1	103
84	A blockchain-based fog computing framework for activity recognition as an application to e-Healthcare services. Future Generation Computer Systems, 2019, 100, 569-578.	4.9	100
85	A Disaster Management-Oriented Path Planning for Mobile Anchor Node-Based Localization in Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 115-125.	3.2	99
86	Multi-Access Edge Computing: A Survey. IEEE Access, 2020, 8, 197017-197046.	2.6	99
87	Privacy in the Internet of Things for Smart Healthcare. IEEE Communications Magazine, 2018, 56, 38-44.	4.9	98
88	Secure and Optimized Load Balancing for Multitier IoT and Edge-Cloud Computing Systems. IEEE Internet of Things Journal, 2021, 8, 8119-8132.	5.5	98
89	Advanced spectrum sharing in 5G cognitive heterogeneous networks. IEEE Wireless Communications, 2016, 23, 94-101.	6.6	95
90	Privacy-Preserving DDoS Attack Detection Using Cross-Domain Traffic in Software Defined Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 628-643.	9.7	93

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91	M2M Communications in 5G: State-of-the-Art Architecture, Recent Advances, and Research Challenges. , 2017, 55, 194-201.		92
92	Deep Multi-Layer Perceptron Classifier for Behavior Analysis to Estimate Parkinsonâ€™s Disease Severity Using Smartphones. IEEE Access, 2018, 6, 36825-36833.	2.6	92
93	Softwarization of Internet of Things Infrastructure for Secure and Smart Healthcare. Computer, 2017, 50, 74-79.	1.2	91
94	A High-Availability Data Collection Scheme based on Multi-AUVs for Underwater Sensor Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1010-1022.	3.9	91
95	5G Vehicular Network Resource Management for Improving Radio Access Through Machine Learning. IEEE Access, 2020, 8, 6792-6800.	2.6	91
96	Secure and Lightweight Authentication Scheme for Smart Metering Infrastructure in Smart Grid. IEEE Transactions on Industrial Informatics, 2020, 16, 3548-3557.	7.2	90
97	Energy-efficient and traffic-aware service function chaining orchestration in multi-domain networks. Future Generation Computer Systems, 2019, 91, 347-360.	4.9	89
98	Blockchain-Based Incentives for Secure and Collaborative Data Sharing in Multiple Clouds. IEEE Journal on Selected Areas in Communications, 2020, 38, 1229-1241.	9.7	89
99	Deep CNN-Based Real-Time Traffic Light Detector for Self-Driving Vehicles. IEEE Transactions on Mobile Computing, 2020, 19, 300-313.	3.9	88
100	User privacy and data trustworthiness in mobile crowd sensing. IEEE Wireless Communications, 2015, 22, 28-34.	6.6	87
101	Toward energy-efficient cloud computing: Prediction, consolidation, and overcommitment. IEEE Network, 2015, 29, 56-61.	4.9	87
102	A Review on the Role of Machine Learning in Enabling IoT Based Healthcare Applications. IEEE Access, 2021, 9, 38859-38890.	2.6	87
103	A lightweight live memory forensic approach based on hardware virtualization. Information Sciences, 2017, 379, 23-41.	4.0	85
104	Secure Edge of Things for Smart Healthcare Surveillance Framework. IEEE Access, 2019, 7, 31010-31021.	2.6	85
105	Fast, Reliable, and Secure Drone Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2802-2832.	24.8	84
106	Deep Learning-Powered Vessel Trajectory Prediction for Improving Smart Traffic Services in Maritime Internet of Things. IEEE Transactions on Network Science and Engineering, 2022, 9, 3080-3094.	4.1	84
107	Joint physical-application layer security for wireless multimedia delivery. , 2014, 52, 66-72.		83
108	Bringing Deep Learning at the Edge of Information-Centric Internet of Things. IEEE Communications Letters, 2019, 23, 52-55.	2.5	83

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109	Lightweight Mutual Authentication Protocol for V2G Using Physical Unclonable Function. IEEE Transactions on Vehicular Technology, 2020, 69, 7234-7246.	3.9	82
110	Two Tier Secure Routing Protocol for Heterogeneous Sensor Networks. IEEE Transactions on Wireless Communications, 2007, 6, 3395-3401.	6.1	81
111	Coalitional Game Theoretic Approach for Secondary Spectrum Access in Cooperative Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 844-856.	6.1	81
112	File-Centric Multi-Key Aggregate Keyword Searchable Encryption for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 3648-3658.	7.2	81
113	Offloading Time Optimization via Markov Decision Process in Mobile-Edge Computing. IEEE Internet of Things Journal, 2021, 8, 2483-2493.	5.5	81
114	An incentive mechanism for data sharing based on blockchain with smart contracts. Computers and Electrical Engineering, 2020, 83, 106587.	3.0	79
115	A framework for a distributed key management scheme in heterogeneous wireless sensor networks. IEEE Transactions on Wireless Communications, 2008, 7, 639-647.	6.1	78
116	Reinforcement learning for resource provisioning in the vehicular cloud. IEEE Wireless Communications, 2016, 23, 128-135.	6.6	78
117	Double proportional fair user pairing algorithm for uplink virtual MIMO systems. IEEE Transactions on Wireless Communications, 2008, 7, 2425-2429.	6.1	76
118	Cooperative earth observation through complex space information networks. IEEE Wireless Communications, 2016, 23, 136-144.	6.6	76
119	A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3166-3178.	3.9	76
120	StabTrustâ€”A Stable and Centralized Trust-Based Clustering Mechanism for IoT Enabled Vehicular Ad-Hoc Networks. IEEE Access, 2020, 8, 21159-21177.	2.6	76
121	RobustTrust â€” A Pro-Privacy Robust Distributed Trust Management Mechanism for Internet of Things. IEEE Access, 2019, 7, 62095-62106.	2.6	75
122	MEdge-Chain: Leveraging Edge Computing and Blockchain for Efficient Medical Data Exchange. IEEE Internet of Things Journal, 2021, 8, 15762-15775.	5.5	75
123	Secure and Efficient Time Synchronization in Heterogeneous Sensor Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2387-2394.	3.9	74
124	Interference-Aware Energy Efficiency Maximization in 5G Ultra-Dense Networks. IEEE Transactions on Communications, 2017, 65, 728-739.	4.9	74
125	Ant-Colony-Based Complete-Coverage Path-Planning Algorithm for Underwater Gliders in Ocean Areas With Thermoclines. IEEE Transactions on Vehicular Technology, 2020, 69, 8959-8971.	3.9	73
126	Blockchain for decentralized <sc>multiâ€”drone</sc> to combat <sc>COVID</sc>â€”19 and future pandemics: Framework and proposed solutions. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4255.	2.6	73

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127	Secure service provision in smart grid communications. , 2012, 50, 53-61.		72
128	Mobile application security: malware threats and defenses. IEEE Wireless Communications, 2015, 22, 138-144.	6.6	72
129	An AUV Location Prediction-Based Data Collection Scheme for Underwater Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 6037-6049.	3.9	72
130	A Survey of Blockchain Enabled Cyber-Physical Systems. Sensors, 2020, 20, 282.	2.1	72
131	Capacity of Hybrid Wireless Networks with Directional Antenna and Delay Constraint. IEEE Transactions on Communications, 2010, 58, 2097-2106.	4.9	71
132	Millimeter-wave multimedia communications: challenges, methodology, and applications. , 2015, 53, 232-238.		71
133	Towards secure and efficient energy trading in IIoT-enabled energy internet: A blockchain approach. Future Generation Computer Systems, 2020, 110, 686-695.	4.9	71
134	A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 5391-5402.	3.9	71
135	Collaborative Intrusion Detection for VANETs: A Deep Learning-Based Distributed SDN Approach. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4519-4530.	4.7	71
136	Cooperation for spectral and energy efficiency in ultra-dense small cell networks. IEEE Wireless Communications, 2016, 23, 64-71.	6.6	70
137	Angelah: a framework for assisting elders at home. IEEE Journal on Selected Areas in Communications, 2009, 27, 480-494.	9.7	69
138	Heterogeneous Information Network-Based Content Caching in the Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 10216-10226.	3.9	68
139	A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5481-5493.	3.9	68
140	A Survey on Intent-Driven Networks. IEEE Access, 2020, 8, 22862-22873.	2.6	68
141	A Unified Approach for Calculating the Outage Performance of Two-Way AF Relaying Over Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 1218-1229.	3.9	67
142	Building Redactable Consortium Blockchain for Industrial Internet-of-Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3670-3679.	7.2	67
143	Securing vehicle-to-grid communications in the smart grid. IEEE Wireless Communications, 2013, 20, 66-73.	6.6	66
144	Assured Data Deletion With Fine-Grained Access Control for Fog-Based Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 4538-4547.	7.2	66

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145	Security Analysis of a Space-Based Wireless Network. IEEE Network, 2019, 33, 36-43.	4.9	66
146	Blockchain-Enhanced High-Confidence Energy Sharing in Internet of Electric Vehicles. IEEE Internet of Things Journal, 2020, 7, 7868-7882.	5.5	66
147	Bus-Trajectory-Based Street-Centric Routing for Message Delivery in Urban Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 7550-7563.	3.9	65
148	A Decade of Internet of Things: Analysis in the Light of Healthcare Applications. IEEE Access, 2019, 7, 89967-89979.	2.6	65
149	Blockchain-Empowered Digital Twins Collaboration: Smart Transportation Use Case. Machines, 2021, 9, 193.	1.2	65
150	Stream-based cipher feedback mode in wireless error channel. IEEE Transactions on Wireless Communications, 2009, 8, 622-626.	6.1	64
151	On WiFi Offloading in Heterogeneous Networks: Various Incentives and Trade-off Strategies. IEEE Communications Surveys and Tutorials, 2016, , 1-1.	24.8	64
152	Systematization of Knowledge (SoK): A Systematic Review of Software-Based Web Phishing Detection. IEEE Communications Surveys and Tutorials, 2017, 19, 2797-2819.	24.8	64
153	Mixed RF/FSO Cooperative Relaying Systems With Co-Channel Interference. IEEE Transactions on Communications, 2018, 66, 4014-4027.	4.9	63
154	Inter-Group Complementary Codes for Interference-Resistant CDMA Wireless Communications. IEEE Transactions on Wireless Communications, 2008, 7, 166-174.	6.1	62
155	Backscatter-Enabled Efficient V2X Communication With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2021, 70, 1724-1735.	3.9	62
156	A Routing-Driven Key Management Scheme for Heterogeneous Sensor Networks. , 2007, , .		61
157	Battery Status-aware Authentication Scheme for V2G Networks in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 99-110.	6.2	61
158	Green Routing Protocols for Wireless Multimedia Sensor Networks. IEEE Wireless Communications, 2016, 23, 140-146.	6.6	61
159	Joint Power Coordination for Spectral-and-Energy Efficiency in Heterogeneous Small Cell Networks: A Bargaining Game-Theoretic Perspective. IEEE Transactions on Wireless Communications, 2016, 15, 1364-1376.	6.1	61
160	Privacy and Security Issues in Online Social Networks. Future Internet, 2018, 10, 114.	2.4	61
161	V2V Routing in a VANET Based on the Autoregressive Integrated Moving Average Model. IEEE Transactions on Vehicular Technology, 2019, 68, 908-922.	3.9	61
162	Spammer Detection and Fake User Identification on Social Networks. IEEE Access, 2019, 7, 68140-68152.	2.6	60

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163	Real-Time Intersection-Based Segment Aware Routing Algorithm for Urban Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2125-2141.	4.7	59
164	Imminent Communication Technologies for Smart Communities: Part 2. IEEE Communications Magazine, 2018, 56, 80-81.	4.9	59
165	HoliTrust-A Holistic Cross-Domain Trust Management Mechanism for Service-Centric Internet of Things. IEEE Access, 2019, 7, 52191-52201.	2.6	59
166	<sc>Replisom</sc>; Disciplined Tiny Memory Replication for Massive IoT Devices in LTE Edge Cloud. IEEE Internet of Things Journal, 2016, 3, 327-338.	5.5	58
167	Security and privacy preservation in fog-based crowd sensing on the internet of vehicles. Journal of Network and Computer Applications, 2019, 134, 89-99.	5.8	58
168	A survey on 5G/6G, AI, and Robotics. Computers and Electrical Engineering, 2021, 95, 107372.	3.0	58
169	Sustainability of Healthcare Data Analysis IoT-Based Systems Using Deep Federated Learning. IEEE Internet of Things Journal, 2022, 9, 7338-7346.	5.5	58
170	An enhanced public key infrastructure to secure smart grid wireless communication networks. IEEE Network, 2014, 28, 10-16.	4.9	57
171	Cooperative Spectrum Sharing in Cognitive Radio Networks: A Distributed Matching Approach. IEEE Transactions on Communications, 2014, 62, 2651-2664.	4.9	57
172	Prediction-Based Delay Optimization Data Collection Algorithm for Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 6926-6936.	3.9	57
173	Achieving data utility-privacy tradeoff in Internet of Medical Things: A machine learning approach. Future Generation Computer Systems, 2019, 98, 60-68.	4.9	57
174	Cross Layer NOMA Interference Mitigation for Femtocell Users in 5G Environment. IEEE Transactions on Vehicular Technology, 2019, 68, 4721-4733.	3.9	56
175	A survey on location privacy protection in Wireless Sensor Networks. Journal of Network and Computer Applications, 2019, 125, 93-114.	5.8	56
176	DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. IEEE Transactions on Vehicular Technology, 2020, 69, 4182-4191.	3.9	56
177	Survey on energy harvesting wireless communications: Challenges and opportunities for radio resource allocation. Computer Networks, 2015, 88, 234-248.	3.2	55
178	KCLP: A k-Means Cluster-Based Location Privacy Protection Scheme in WSNs for IoT. IEEE Wireless Communications, 2018, 25, 84-90.	6.6	55
179	A Synergetic Trust Model Based on SVM in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11239-11247.	3.9	55
180	CPSLP: A Cloud-Based Scheme for Protecting Source Location Privacy in Wireless Sensor Networks Using Multi-Sinks. IEEE Transactions on Vehicular Technology, 2019, 68, 2739-2750.	3.9	55

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181	Blockchain-Based Anonymous Authentication With Selective Revocation for Smart Industrial Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 3290-3300.	7.2	55
182	Secure and Latency-Aware Digital Twin Assisted Resource Scheduling for 5G Edge Computing-Empowered Distribution Grids. IEEE Transactions on Industrial Informatics, 2022, 18, 4933-4943.	7.2	55
183	Cloud of Things for Sensing-as-a-Service: Architecture, Algorithms, and Use Case. IEEE Internet of Things Journal, 2016, 3, 1099-1112.	5.5	54
184	A Hybrid Deep Reinforcement Learning For Autonomous Vehicles Smart-Platooning. IEEE Transactions on Vehicular Technology, 2021, 70, 13340-13350.	3.9	54
185	Orthogonal complementary codes for interference-free CDMA technologies. IEEE Wireless Communications, 2006, 13, 68-79.	6.6	53
186	Secondary users cooperation in cognitive radio networks: balancing sensing accuracy and efficiency. IEEE Wireless Communications, 2012, 19, 30-37.	6.6	53
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