

Shiwen Mao

List of Publications by Year in descending order

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281
papers

12,984
citations

34105

52
h-index

30087

103
g-index

283
all docs

283
docs citations

283
times ranked

11088
citing authors

#	ARTICLE	IF	CITATIONS
1	Big Data: A Survey. Mobile Networks and Applications, 2014, 19, 171-209.	3.3	2,248
2	CSI-based Fingerprinting for Indoor Localization: A Deep Learning Approach. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	578
3	Optimized Computation Offloading Performance in Virtual Edge Computing Systems Via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2019, 6, 4005-4018.	8.7	467
4	Multiobjective Optimization for Computation Offloading in Fog Computing. IEEE Internet of Things Journal, 2018, 5, 283-294.	8.7	380
5	Application of Machine Learning in Wireless Networks: Key Techniques and Open Issues. IEEE Communications Surveys and Tutorials, 2019, 21, 3072-3108.	39.4	357
6	CSI Phase Fingerprinting for Indoor Localization With a Deep Learning Approach. IEEE Internet of Things Journal, 2016, 3, 1113-1123.	8.7	312
7	Video transport over ad hoc networks: multistream coding with multipath transport. IEEE Journal on Selected Areas in Communications, 2003, 21, 1721-1737.	14.0	210
8	Adaptive Electricity Scheduling in Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 270-281.	9.0	195
9	PhaseBeat: Exploiting CSI Phase Data for Vital Sign Monitoring with Commodity WiFi Devices. , 2017, , .		192
10	EMC: Emotion-aware mobile cloud computing in 5G. IEEE Network, 2015, 29, 32-38.	6.9	164
11	Contour Stella Image and Deep Learning for Signal Recognition in the Physical Layer. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 34-46.	7.9	163
12	Deep Reinforcement Learning-Based Mode Selection and Resource Management for Green Fog Radio Access Networks. IEEE Internet of Things Journal, 2019, 6, 1960-1971.	8.7	161
13	Learn to Cache: Machine Learning for Network Edge Caching in the Big Data Era. IEEE Wireless Communications, 2018, 25, 28-35.	9.0	160
14	Directional geographical routing for real-time video communications in wireless sensor networks. Computer Communications, 2007, 30, 3368-3383.	5.1	156
15	Online Distributed Offloading and Computing Resource Management With Energy Harvesting for Heterogeneous MEC-Enabled IoT. IEEE Transactions on Wireless Communications, 2021, 20, 6743-6757.	9.2	156
16	User Grouping for Massive MIMO in FDD Systems: New Design Methods and Analysis. IEEE Access, 2014, 2, 947-959.	4.2	155
17	BiLoc: Bi-Modal Deep Learning for Indoor Localization With Commodity 5GHz WiFi. IEEE Access, 2017, 5, 4209-4220.	4.2	144
18	Deep Convolutional Neural Networks for Indoor Localization with CSI Images. IEEE Transactions on Network Science and Engineering, 2020, 7, 316-327.	6.4	142

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19	Wireless Multimedia Cognitive Radio Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1056-1103.	39.4	141
20	CAP: community activity prediction based on big data analysis. IEEE Network, 2014, 28, 52-57.	6.9	139
21	Performance Evaluation of Cognitive Radios: Metrics, Utility Functions, and Methodology. Proceedings of the IEEE, 2009, 97, 642-659.	21.3	135
22	Optimized Content Caching and User Association for Edge Computing in Densely Deployed Heterogeneous Networks. IEEE Transactions on Mobile Computing, 2022, 21, 2130-2142.	5.8	135
23	A Survey of Energy Management in Interconnected Multi-Microgrids. IEEE Access, 2019, 7, 72158-72169.	4.2	129
24	A survey of free space optical networks. Digital Communications and Networks, 2017, 3, 67-77.	5.0	127
25	TensorBeat. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-27.	4.5	127
26	On Hierarchical Power Scheduling for the Macrogrid and Cooperative Microgrids. IEEE Transactions on Industrial Informatics, 2015, 11, 1574-1584.	11.3	125
27	Base Station ON-OFF Switching in 5G Wireless Networks: Approaches and Challenges. IEEE Wireless Communications, 2017, 24, 46-54.	9.0	112
28	A 5G Cognitive System for Healthcare. Big Data and Cognitive Computing, 2017, 1, 2.	4.7	110
29	Large-scale real-world radio signal recognition with deep learning. Chinese Journal of Aeronautics, 2022, 35, 35-48.	5.3	105
30	A survey of mobile cloud computing for rich media applications. IEEE Wireless Communications, 2013, 20, 46-53.	9.0	101
31	CiFi: Deep convolutional neural networks for indoor localization with 5 GHz Wi-Fi. , 2017, , .		99
32	Complex-Valued Networks for Automatic Modulation Classification. IEEE Transactions on Vehicular Technology, 2020, 69, 10085-10089.	6.3	99
33	Performance Optimization in Mobile-Edge Computing via Deep Reinforcement Learning. , 2018, , .		95
34	Software-Defined Mobile Networks Security. Mobile Networks and Applications, 2016, 21, 729-743.	3.3	92
35	Dynamic Spectrum Interaction of UAV Flight Formation Communication With Priority: A Deep Reinforcement Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 892-903.	7.9	84
36	DeepFi: Deep learning for indoor fingerprinting using channel state information. , 2015, , .		83

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37	LASSO and LSTM Integrated Temporal Model for Short-Term Solar Intensity Forecasting. IEEE Internet of Things Journal, 2019, 6, 2933-2944.	8.7	83
38	Electric Vehicle Charge Scheduling Mechanism to Maximize Cost Efficiency and User Convenience. IEEE Transactions on Smart Grid, 2019, 10, 3020-3030.	9.0	83
39	RF Sensing in the Internet of Things: A General Deep Learning Framework. IEEE Communications Magazine, 2018, 56, 62-67.	6.1	80
40	Energy Delay Tradeoff in Cloud Offloading for Multi-Core Mobile Devices. IEEE Access, 2015, 3, 2306-2316.	4.2	79
41	Distributed Online Algorithm for Optimal Real-Time Energy Distribution in the Smart Grid. IEEE Internet of Things Journal, 2014, 1, 70-80.	8.7	77
42	Local Cyber-Physical Attack for Masking Line Outage and Topology Attack in Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 4577-4588.	9.0	73
43	Solar Power Generation Forecasting With a LASSO-Based Approach. IEEE Internet of Things Journal, 2018, 5, 1090-1099.	8.7	72
44	PhaseFi: Phase Fingerprinting for Indoor Localization with a Deep Learning Approach. , 2015, , .		68
45	On Joint BBU/RRH Resource Allocation in Heterogeneous Cloud-RANs. IEEE Internet of Things Journal, 2017, 4, 749-759.	8.7	68
46	User Association in Massive MIMO HetNets. IEEE Systems Journal, 2017, 11, 7-19.	4.6	65
47	Dealing with Limited Backhaul Capacity in Millimeter-Wave Systems: A Deep Reinforcement Learning Approach. IEEE Communications Magazine, 2019, 57, 50-55.	6.1	65
48	Multi-UAV-Enabled Mobile-Edge Computing for Time-Constrained IoT Applications. IEEE Internet of Things Journal, 2021, 8, 15553-15567.	8.7	65
49	Multipath video transport over ad hoc networks. IEEE Wireless Communications, 2005, 12, 42-49.	9.0	64
50	Hierarchical Radio Resource Allocation for Network Slicing in Fog Radio Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 3866-3881.	6.3	63
51	M RTP: a multiframe real-time transport protocol for ad hoc networks. IEEE Transactions on Multimedia, 2006, 8, 356-369.	7.2	62
52	Threat of Adversarial Attacks on DL-Based IoT Device Identification. IEEE Internet of Things Journal, 2022, 9, 9012-9024.	8.7	62
53	A Directional CSMA/CA Protocol for mmWave Wireless PANs. , 2010, , .		60
54	On Path Selection and Rate Allocation for Video in Wireless Mesh Networks. IEEE/ACM Transactions on Networking, 2009, 17, 212-224.	3.8	59

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55	Adaptive Learning Hybrid Model for Solar Intensity Forecasting. IEEE Transactions on Industrial Informatics, 2018, 14, 1635-1645.	11.3	59
56	An uncertainty-aware deep reinforcement learning framework for residential air conditioning energy management. Applied Energy, 2020, 276, 115426.	10.1	59
57	DeepML: Deep LSTM for Indoor Localization with Smartphone Magnetic and Light Sensors. , 2018, , .		58
58	Threats of Adversarial Attacks in DNN-Based Modulation Recognition. , 2020, , .		58
59	On Remote Temperature Sensing Using Commercial UHF RFID Tags. IEEE Internet of Things Journal, 2019, 6, 10715-10727.	8.7	56
60	Privacy Protection and Intrusion Avoidance for Cloudlet-Based Medical Data Sharing. IEEE Transactions on Cloud Computing, 2020, 8, 1274-1283.	4.4	55
61	Cross-layer optimized multipath routing for video communications in wireless networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 831-840.	14.0	54
62	A View Synthesis-Based 360° VR Caching System Over MEC-Enabled C-RAN. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3843-3855.	8.3	52
63	TCP-Drinc: Smart Congestion Control Based on Deep Reinforcement Learning. IEEE Access, 2019, 7, 11892-11904.	4.2	51
64	Joint duplex mode selection, channel allocation, and power control for full-duplex cognitive femtocell networks. Digital Communications and Networks, 2015, 1, 30-44.	5.0	48
65	Optical power allocation for adaptive transmissions in wavelength-division multiplexing free space optical networks. Digital Communications and Networks, 2015, 1, 171-180.	5.0	46
66	ResLoc: Deep residual sharing learning for indoor localization with CSI tensors. , 2017, , .		46
67	Streaming Scalable Videos over Multi-Hop Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2010, 9, 3501-3511.	9.2	45
68	On CSI-Based Vital Sign Monitoring Using Commodity WiFi. ACM Transactions on Computing for Healthcare, 2020, 1, 1-27.	5.0	45
69	User grouping and scheduling for large scale MIMO systems with two-stage precoding. , 2014, , .		43
70	Joint Frame Design, Resource Allocation and User Association for Massive MIMO Heterogeneous Networks With Wireless Backhaul. IEEE Transactions on Wireless Communications, 2018, 17, 1937-1950.	9.2	42
71	Adaptive electricity scheduling in microgrids. , 2013, , .		41
72	A SURVEY OF LTE WI-FI COEXISTENCE IN UNLICENSED BANDS. GetMobile (New York, N Y), 2017, 20, 17-23.	1.0	41

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73	BOOST: Base Station on-off Switching Strategy for Green Massive MIMO HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 7319-7332.	9.2	41
74	Robust RFID Based 6-DoF Localization for Unmanned Aerial Vehicles. IEEE Access, 2019, 7, 77348-77361.	4.2	41
75	Ensemble Learning for Load Forecasting. IEEE Transactions on Green Communications and Networking, 2020, 4, 616-628.	5.5	41
76	On Medium Grain Scalable Video Streaming over Femtocell Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 641-651.	14.0	40
77	Share communication and computation resources on mobile devices: a social awareness perspective. IEEE Wireless Communications, 2016, 23, 52-59.	9.0	40
78	Respiration Monitoring With RFID in Driving Environments. IEEE Journal on Selected Areas in Communications, 2021, 39, 500-512.	14.0	40
79	BOOST: Base station ON-OFF switching strategy for energy efficient massive MIMO HetNets. , 2016, , .		38
80	Online Algorithm for Optimal Real-Time Energy Distribution in the Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 10-21.	4.6	37
81	Improving the Operation of Solar Water Heating Systems in Green Buildings via Optimized Control Strategies. IEEE Transactions on Industrial Informatics, 2018, 14, 1646-1655.	11.3	36
82	Indoor Radio Map Construction and Localization With Deep Gaussian Processes. IEEE Internet of Things Journal, 2020, 7, 11238-11249.	8.7	36
83	Receiver-oriented load-balancing and reliable routing in wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 405-416.	1.2	35
84	On frame-based scheduling for directional mmWave WPANs. , 2012, , .		35
85	Cooperative small cell networks: high capacity for hotspots with interference mitigation. IEEE Wireless Communications, 2014, 21, 108-116.	9.0	35
86	A Game-Theoretic Approach to Cache and Radio Resource Management in Fog Radio Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 10145-10159.	6.3	35
87	Resilient Respiration Rate Monitoring With Realtime Bimodal CSI Data. IEEE Sensors Journal, 2020, 20, 10187-10198.	4.7	34
88	Unsupervised Drowsy Driving Detection With RFID. IEEE Transactions on Vehicular Technology, 2020, 69, 8151-8163.	6.3	34
89	RFID-Pose: Vision-Aided Three-Dimensional Human Pose Estimation With Radio-Frequency Identification. IEEE Transactions on Reliability, 2021, 70, 1218-1231.	4.6	31
90	Data augmentation with conditional GAN for automatic modulation classification. , 2020, , .		31

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91	Overhead Analysis for Radio Environment Map-enabled Cognitive Radio Networks. , 2006, , .		29
92	Design and Optimization of a Tiered Wireless Access Network. , 2010, , .		29
93	CA2T: Cooperative Antenna Arrays Technique for Pinpoint Indoor Localization. Procedia Computer Science, 2014, 34, 392-399.	2.0	29
94	A Cross-layer Approach to Channel Assignment in Wireless Ad Hoc Networks. Mobile Networks and Applications, 2007, 12, 43-56.	3.3	28
95	Directional Controlled Fusion in Wireless Sensor Networks. Mobile Networks and Applications, 2009, 14, 220-229.	3.3	28
96	Approximation Algorithms for Cell Association and Scheduling in Femtocell Networks. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 432-443.	4.6	28
97	On Link Scheduling Under Blockage and Interference in 60-GHz Ad Hoc Networks. IEEE Access, 2015, 3, 1437-1449.	4.2	27
98	Joint Parallel Offloading and Load Balancing for Cooperative-MEC Systems With Delay Constraints. IEEE Transactions on Vehicular Technology, 2022, 71, 4249-4263.	6.3	27
99	Wi-Wheat: Contact-Free Wheat Moisture Detection with Commodity WiFi. , 2018, , .		26
100	RFHUI: an RFID based human-unmanned aerial vehicle interaction system in an indoor environment. Digital Communications and Networks, 2020, 6, 14-22.	5.0	26
101	Wireless Device Identification Based on Radio Frequency Fingerprint Features. , 2020, , .		26
102	Indoor Fingerprinting With Bimodal CSI Tensors: A Deep Residual Sharing Learning Approach. IEEE Internet of Things Journal, 2021, 8, 4498-4513.	8.7	26
103	Adaptive Online Power Management for More Electric Aircraft With Hybrid Energy Storage Systems. IEEE Transactions on Transportation Electrification, 2020, 6, 1780-1790.	7.8	26
104	Indoor Localization Using Smartphone Magnetic and Light Sensors: a Deep LSTM Approach. Mobile Networks and Applications, 2020, 25, 819-832.	3.3	25
105	Energy efficiency improvement of solar water heating systems " An IoT based commissioning methodology. Energy and Buildings, 2020, 224, 110231.	6.7	24
106	Harvest the potential of massive MIMO with multi-layer techniques. IEEE Network, 2016, 30, 40-45.	6.9	22
107	MAQ: A Multiple Model Predictive Congestion Control Scheme for Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2614-2626.	9.2	22
108	SparseTag: High-Precision Backscatter Indoor Localization with Sparse RFID Tag Arrays. , 2019, , .		22

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109	Frame-Based Medium Access Control for 5G Wireless Networks. <i>Mobile Networks and Applications</i> , 2015, 20, 763-772.	3.3	21
110	On Directional Neighbor Discovery in mmWave Networks. , 2017, , .		21
111	Unsupervised Detection of Apnea Using Commodity RFID Tags With a Recurrent Variational Autoencoder. <i>IEEE Access</i> , 2019, 7, 67526-67538.	4.2	21
112	Energy-Efficient Power Control in Wireless Networks With Spatial Deep Neural Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020, 6, 111-124.	7.9	21
113	On joint routing and server selection for MD video streaming in ad hoc networks. <i>IEEE Transactions on Wireless Communications</i> , 2007, 6, 338-347.	9.2	20
114	Adaptive multiple description coding and transmission of uncompressed video over 60GHz networks. <i>Mobile Computing and Communications Review</i> , 2014, 18, 14-24.	1.7	20
115	A survey of QoE-driven video streaming over cognitive radio networks. <i>IEEE Network</i> , 2015, 29, 20-25.	6.9	20
116	A Decomposition Approach to Quality-Driven Multiuser Video Streaming in Cellular Cognitive Radio Networks. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 728-739.	9.2	20
117	Optical power allocation for adaptive WDM transmissions in free space optical networks. , 2014, , .		19
118	Energy Delay Trade-Off in Cloud Offloading for Mutli-Core Mobile Devices. , 2015, , .		19
119	Quality of Experience Driven Multi-User Video Streaming in Cellular Cognitive Radio Networks With Single Channel Access. <i>IEEE Transactions on Multimedia</i> , 2016, 18, 1401-1413.	7.2	19
120	On Link Scheduling in Dual-Hop 60-GHz mmWave Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 11180-11192.	6.3	19
121	A survey of multimedia big data. <i>China Communications</i> , 2018, 15, 155-176.	3.2	19
122	Modulation Recognition of Underwater Acoustic Signals Using Deep Hybrid Neural Networks. <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 5977-5988.	9.2	18
123	Enhancing the performance of future wireless networks with software-defined networking. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2016, 17, 606-619.	2.6	17
124	Forecasting of Grain Pile Temperature From Meteorological Factors Using Machine Learning. <i>IEEE Access</i> , 2019, 7, 130721-130733.	4.2	17
125	S-Nav: Safety-Aware IoT Navigation Tool for Avoiding COVID-19 Hotspots. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6975-6982.	8.7	17
126	Energy-Efficient Federated Learning With Intelligent Reflecting Surface. <i>IEEE Transactions on Green Communications and Networking</i> , 2022, 6, 845-858.	5.5	17

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127	AutoTag: Recurrent Variational Autoencoder for Unsupervised Apnea Detection with RFID Tags. , 2018, , .		16
128	IADRL: Imitation Augmented Deep Reinforcement Learning Enabled UGV-UAV Coalition for Tasking in Complex Environments. IEEE Access, 2020, 8, 102335-102347.	4.2	16
129	Delay-aware Cellular Traffic Scheduling with Deep Reinforcement Learning. , 2020, , .		16
130	Cooperative relay with interference alignment for video over cognitive radio networks. , 2012, , .		15
131	Power Control in Full Duplex Underlay Cognitive Radio Networks: A Control Theoretic Approach. , 2014, , .		15
132	Interoperator Opportunistic Spectrum Sharing in LTE-Unclassified. IEEE Transactions on Vehicular Technology, 2017, 66, 5217-5228.	6.3	15
133	Scheduled Sequential Compressed Spectrum Sensing for Wideband Cognitive Radios. IEEE Transactions on Mobile Computing, 2018, 17, 913-926.	5.8	15
134	RFHUI. , 2018, , .		15
135	On the Performance of Distributed Polling Service-based Medium Access Control. IEEE Transactions on Wireless Communications, 2008, 7, 4635-4645.	9.2	14
136	Resource Allocation for Medium Grain Scalable Videos over Femtocell Cognitive Radio Networks. , 2011, , .		14
137	On power control in full duplex underlay cognitive radio networks. Ad Hoc Networks, 2016, 37, 183-194.	5.5	14
138	On Quality of Usage Provisioning for Electricity Scheduling in Microgrids. IEEE Systems Journal, 2014, 8, 619-628.	4.6	13
139	Distributed Online Energy Management in Interconnected Microgrids. IEEE Internet of Things Journal, 2020, 7, 2738-2750.	8.7	13
140	Pre-Trained Models for Non-Intrusive Appliance Load Monitoring. IEEE Transactions on Green Communications and Networking, 2022, 6, 56-68.	5.5	13
141	Resource Allocation for Millimeter-Wave Train-Ground Communications in High-Speed Railway Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 4823-4838.	6.3	13
142	Algebraic connectivity of degree constrained spanning trees for FSO networks. , 2013, , .		12
143	QoE driven video streaming in cognitive radio networks: The case of single channel access. , 2014, , .		12
144	Analysis of solar generation and weather data in smart grid with simultaneous inference of nonlinear time series. , 2015, , .		12

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145	On relay selection and power allocation in cooperative free-space optical networks. Photonic Network Communications, 2015, 29, 1-11.	2.7	12
146	QoE-Driven Resource Allocation for DASH over OFDMA Networks. , 2016, , .		12
147	Scheduling of Collaborative Sequential Compressed Sensing Over Wide Spectrum Band. IEEE/ACM Transactions on Networking, 2018, 26, 492-505.	3.8	12
148	Multi-Class Wheat Moisture Detection with 5GHz Wi-Fi: A Deep LSTM Approach. , 2018, , .		12
149	Dynamic Base Station Sleep Control and RF Chain Activation for Energy-Efficient Millimeter-Wave Cellular Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 9911-9921.	6.3	12
150	Short-Term Load Forecasting with LSTM Based Ensemble Learning. , 2019, , .		12
151	Temperature Forecasting for Stored Grain: A Deep Spatiotemporal Attention Approach. IEEE Internet of Things Journal, 2021, 8, 17147-17160.	8.7	12
152	Smartphone Sonar-Based Contact-Free Respiration Rate Monitoring. ACM Transactions on Computing for Healthcare, 2021, 2, 1-26.	5.0	12
153	DRL-Based Channel and Latency Aware Radio Resource Allocation for 5G Service-Oriented RoF-MmWave RAN. Journal of Lightwave Technology, 2021, 39, 5706-5714.	4.6	12
154	Distributed power control in full duplex wireless networks. , 2015, , .		11
155	Duplex mode selection and channel allocation for full-duplex cognitive femtocell networks. , 2015, , .		11
156	Robust QoE-Driven DASH Over OFDMA Networks. IEEE Transactions on Multimedia, 2020, 22, 474-486.	7.2	11
157	Directional neighbor discovery in mmWave wireless networks. Digital Communications and Networks, 2021, 7, 1-15.	5.0	11
158	A DQN-Based Consensus Mechanism for Blockchain in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 11962-11973.	8.7	11
159	Multimedia-Centric Routing for Multiple Description Video in Wireless Mesh Networks. IEEE Network, 2008, 22, 19-24.	6.9	10
160	Building robust spanning trees in free space optical networks. , 2010, , .		10
161	On the design and optimization of a free space optical access network. Optical Switching and Networking, 2014, 11, 29-43.	2.0	10
162	Energy Efficient Joint Resource Scheduling for Delay-Aware Traffic in Cloud-RAN. , 2016, , .		10

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163	On distributed power control in full duplex wireless networks. Digital Communications and Networks, 2017, 3, 1-10.	5.0	10
164	Internet multimedia traffic classification from QoS perspective using semi-supervised dictionary learning models. China Communications, 2017, 14, 202-218.	3.2	10
165	Interference Management and User Association for Nested Array-Based Massive MIMO HetNets. IEEE Transactions on Vehicular Technology, 2018, 67, 454-466.	6.3	10
166	Joint Power and Channel Resource Optimization in Soft Multi-View Video Delivery. IEEE Access, 2019, 7, 148084-148097.	4.2	10
167	QoS-Aware Bandwidth Allocation and Concurrent Scheduling for Terahertz Wireless Backhaul Networks. IEEE Access, 2020, 8, 125814-125825.	4.2	10
168	Downlink power control for variable bit rate videos over multicell wireless networks. , 2011, , .		9
169	Smooth electric power scheduling in power distribution networks. , 2012, , .		9
170	Distributed Learning for Multi-Channel Selection in Wireless Network Monitoring. , 2016, , .		9
171	Interference Alignment Improves the Capacity of OFDM Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 756-767.	6.3	9
172	ResBeat: Resilient Breathing Beats Monitoring with Realtime Bimodal CSI Data. , 2017, , .		9
173	Sidelink-Aided Multiquality Tiled 360° Virtual Reality Video Multicast. IEEE Internet of Things Journal, 2022, 9, 4584-4597.	8.7	9
174	Environment Adaptive RFID-Based 3D Human Pose Tracking With a Meta-Learning Approach. IEEE Journal of Radio Frequency Identification, 2022, 6, 413-425.	2.3	9
175	Energy-Efficient Trajectory Optimization for Aerial Video Surveillance under QoS Constraints. , 2022, , .		9
176	Utility Function Selection for Streaming Videos with a Cognitive Engine Testbed. Mobile Networks and Applications, 2010, 15, 446-460.	3.3	8
177	A distributed polling service-based MAC protocol testbed. International Journal of Communication Systems, 2014, 27, 3901-3921.	2.5	8
178	On joint topology design and load balancing in free-space optical networks. Optical Switching and Networking, 2014, 11, 92-104.	2.0	8
179	Smooth Scheduling for Electricity Distribution in the Smart Grid. IEEE Systems Journal, 2015, 9, 966-977.	4.6	8
180	Dealing with link blockage in mmWave networks: D2D relaying or multi-beam reflection?. , 2017, , .		8

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181	Cooperative Caching for Scalable Video Transmissions Over Heterogeneous Networks. IEEE Networking Letters, 2019, 1, 63-67.	1.9	8
182	Dynamic Channel Allocation for Multi-UAVs: A Deep Reinforcement Learning Approach. , 2019, , .		8
183	Online Energy Management in Microgrids Considering Reactive Power. IEEE Internet of Things Journal, 2019, 6, 2895-2906.	8.7	8
184	Smart Power Control for Quality-Driven Multi-User Video Transmissions: A Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 611-622.	4.2	8
185	RFID-based 3D human pose tracking: A subject generalization approach. Digital Communications and Networks, 2022, 8, 278-288.	5.0	8
186	Adversarial Human Activity Recognition Using Wi-Fi CSI. , 2021, , .		8
187	RFID Tag Localization With a Sparse Tag Array. IEEE Internet of Things Journal, 2022, 9, 16976-16989.	8.7	8
188	Medium Access Control for Opportunistic Concurrent Transmissions under Shadowing Channels. Sensors, 2009, 9, 4824-4844.	3.8	7
189	Cell association and handover management in femtocell networks. , 2013, , .		7
190	User Intent-Oriented Video QoE with Emotion Detection Networking. , 2016, , .		7
191	State Estimation in Smart Distribution System With Low-Precision Measurements. IEEE Access, 2017, 5, 22713-22723.	4.2	7
192	Pure-Exploration Bandits for Channel Selection in Mission-Critical Wireless Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 10995-11007.	6.3	7
193	Metadata Reduction for Soft Video Delivery. IEEE Networking Letters, 2019, 1, 84-88.	1.9	7
194	Fine-Grained Classification of Internet Video Traffic From QoS Perspective Using Fractal Spectrum. IEEE Transactions on Multimedia, 2020, 22, 2579-2596.	7.2	7
195	Scalable Video Caching for Information Centric Wireless Networks. IEEE Access, 2020, 8, 77272-77284.	4.2	7
196	Adversarial Attacks on Deep Learning-based Floor Classification and Indoor Localization. , 2021, , .		7
197	Deep Convolutional Gaussian Processes for Mmwave Outdoor Localization. , 2021, , .		7
198	Subject-adaptive Skeleton Tracking with RFID. , 2020, , .		7

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199	A Sensing Error Aware MAC Protocol for Cognitive Radio Networks. EAI Endorsed Transactions on Mobile Communications and Applications, 2012, 12, e1.	0.5	7
200	Meta-Pose: Environment-adaptive Human Skeleton Tracking with RFID. , 2021, , .		7
201	Joint relay selection and power allocation in cooperative FSO networks. , 2013, , .		6
202	A distributed online algorithm for optimal real-time energy distribution in smart grid. , 2013, , .		6
203	False data injection attacks with local topology information against linear state estimation. , 2015, , .		6
204	Adaptive Pilot Design for Massive MIMO HetNets with Wireless Backhaul. , 2017, , .		6
205	SonarBeat: Sonar Phase for Breathing Beat Monitoring with Smartphones. , 2017, , .		6
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