

Shiwen Mao

List of Publications by Year in descending order

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Version: 2024-02-01

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	Wi-Wheat+: Contact-free wheat moisture sensing with commodity WiFi based on entropy. Digital Communications and Networks, 2023, 9, 698-709.	5.0	3
2	Multi-Agent Collaborative Inference via DNN Decoupling: Intermediate Feature Compression and Edge Learning. IEEE Transactions on Mobile Computing, 2023, 22, 6041-6055.	5.8	3
3	Pre-Trained Models for Non-Intrusive Appliance Load Monitoring. IEEE Transactions on Green Communications and Networking, 2022, 6, 56-68.	5.5	13
4	RFID-based 3D human pose tracking: A subject generalization approach. Digital Communications and Networks, 2022, 8, 278-288.	5.0	8
5	Sidelink-Aided Multiquality Tiled 360° Virtual Reality Video Multicast. IEEE Internet of Things Journal, 2022, 9, 4584-4597.	8.7	9
6	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
7	Threat of Adversarial Attacks on DL-Based IoT Device Identification. IEEE Internet of Things Journal, 2022, 9, 9012-9024.	8.7	62
8	Large-scale real-world radio signal recognition with deep learning. Chinese Journal of Aeronautics, 2022, 35, 35-48.	5.3	105
9	Energy-Efficient Federated Learning With Intelligent Reflecting Surface. IEEE Transactions on Green Communications and Networking, 2022, 6, 845-858.	5.5	17
10	A DQN-Based Consensus Mechanism for Blockchain in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 11962-11973.	8.7	11
11	Adversarial Game Against Hybrid Attacks in UAV Communications With Partial Information. IEEE Transactions on Vehicular Technology, 2022, 71, 2204-2208.	6.3	4
12	RFID Tag Localization With a Sparse Tag Array. IEEE Internet of Things Journal, 2022, 9, 16976-16989.	8.7	8
13	Modulation Recognition of Underwater Acoustic Signals Using Deep Hybrid Neural Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5977-5988.	9.2	18
14	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
15	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
16	Contact-free wheat mildew detection with commodity wifi. International Journal of Cognitive Computing in Engineering, 2022, 3, 9-23.	8.2	3
17	RIRL: A Recurrent Imitation and Reinforcement Learning Method for Long-Horizon Robotic Tasks. , 2022, , .		0
18	Dealing With Link Blockage in mmWave Networks: A Combination of D2D Relaying, Multi-Beam Reflection, and Handover. IEEE Transactions on Wireless Communications, 2022, 21, 6746-6759.	9.2	5

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19	Adversarial Deep Learning for Indoor Localization With Channel State Information Tensors. IEEE Internet of Things Journal, 2022, 9, 18182-18194.	8.7	4
20	Transformer for Nonintrusive Load Monitoring: Complexity Reduction and Transferability. IEEE Internet of Things Journal, 2022, 9, 18987-18997.	8.7	6
21	Average Age of Information in Wireless Powered Mobile Edge Computing System. IEEE Wireless Communications Letters, 2022, 11, 1585-1589.	5.0	5
22	CEDAN: Cost-Effective Data Aggregation for UAV-Enabled IoT Networks. IEEE Transactions on Mobile Computing, 2022, , 1-1.	5.8	1
23	Voice Fingerprinting for Indoor Localization with a Single Microphone Array and Deep Learning. , 2022, , .		0
24	Resource Allocation and Computation Offloading in a Millimeter-Wave Train-Ground Network. IEEE Transactions on Vehicular Technology, 2022, 71, 10615-10630.	6.3	6
25	Energy-Efficient Trajectory Optimization for Aerial Video Surveillance under QoS Constraints. , 2022, , .		9
26	Demo Abstract: Environment-adaptive 3D Human Pose Tracking with RFID. , 2022, , .		1
27	Demo Abstract: Technology-agnostic Approach to RF based Human Activity Recognition. , 2022, , .		0
28	Triple-band scheduling with millimeter wave and terahertz bands for wireless backhaul. Journal of Communications and Networks, 2022, , 1-13.	2.6	1
29	RFID-Pose: Vision-Aided Three-Dimensional Human Pose Estimation With Radio-Frequency Identification. IEEE Transactions on Reliability, 2021, 70, 1218-1231.	4.6	31
30	Directional neighbor discovery in mmWave wireless networks. Digital Communications and Networks, 2021, 7, 1-15.	5.0	11
31	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
32	S-Nav: Safety-Aware IoT Navigation Tool for Avoiding COVID-19 Hotspots. IEEE Internet of Things Journal, 2021, 8, 6975-6982.	8.7	17
33	Indoor Fingerprinting With Bimodal CSI Tensors: A Deep Residual Sharing Learning Approach. IEEE Internet of Things Journal, 2021, 8, 4498-4513.	8.7	26
34	Guest Editorial: Special Section on Cognitive Big Data Science Over Intelligent IoT Networking Systems in Industrial Informatics. IEEE Transactions on Industrial Informatics, 2021, 17, 2112-2115.	11.3	3
35	Respiration Monitoring With RFID in Driving Environments. IEEE Journal on Selected Areas in Communications, 2021, 39, 500-512.	14.0	40
36	RFID-based unsupervised apnea detection in health care system. , 2021, , 31-52.		0

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37	Coalition Game Based User Association for mmWave Mobile Relay Systems in Rail Traffic Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 10528-10540.	6.3	2
38	Temperature Forecasting for Stored Grain: A Deep Spatiotemporal Attention Approach. IEEE Internet of Things Journal, 2021, 8, 17147-17160.	8.7	12
39	Multi-UAV-Enabled Mobile-Edge Computing for Time-Constrained IoT Applications. IEEE Internet of Things Journal, 2021, 8, 15553-15567.	8.7	65
40	Smartphone Sonar-Based Contact-Free Respiration Rate Monitoring. ACM Transactions on Computing for Healthcare, 2021, 2, 1-26.	5.0	12
41	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
42	Adversarial Attacks on Deep Learning-based Floor Classification and Indoor Localization. , 2021, , .		7
43	Deep Convolutional Gaussian Processes for Mmwave Outdoor Localization. , 2021, , .		7
44	MULTLoc: RF Hologram Tensor Filtering and Upscaling for Locating Multiple RFID Tags. , 2021, , .		0
45	QoE-Aware Traffic Aggregation Using Preference Logic for Edge Intelligence. IEEE Transactions on Wireless Communications, 2021, 20, 6093-6106.	9.2	5
46	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
47	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
48	Adversarial Human Activity Recognition Using Wi-Fi CSI. , 2021, , .		8
49	A QoE Evaluation and Adaptation Method for Multi-player Online Games. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 157-171.	0.3	0
50	Meta-Pose: Environment-adaptive Human Skeleton Tracking with RFID. , 2021, , .		7
51	Privacy Protection and Intrusion Avoidance for Cloudlet-Based Medical Data Sharing. IEEE Transactions on Cloud Computing, 2020, 8, 1274-1283.	4.4	55
52	Deep Convolutional Neural Networks for Indoor Localization with CSI Images. IEEE Transactions on Network Science and Engineering, 2020, 7, 316-327.	6.4	142
53	Indoor Localization Using Smartphone Magnetic and Light Sensors: a Deep LSTM Approach. Mobile Networks and Applications, 2020, 25, 819-832.	3.3	25
54	Editorial: Mobile and Ubiquitous Systems: Computing, Networking and Services. Mobile Networks and Applications, 2020, 25, 457-458.	3.3	0

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55	Robust QoE-Driven DASH Over OFDMA Networks. IEEE Transactions on Multimedia, 2020, 22, 474-486.	7.2	11
56	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
57	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
58	Energy-Efficient Power Control in Wireless Networks With Spatial Deep Neural Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 111-124.	7.9	21
59	Fine-Grained Classification of Internet Video Traffic From QoS Perspective Using Fractal Spectrum. IEEE Transactions on Multimedia, 2020, 22, 2579-2596.	7.2	7
60	Distributed Online Energy Management in Interconnected Microgrids. IEEE Internet of Things Journal, 2020, 7, 2738-2750.	8.7	13
61	Smart Power Control for Quality-Driven Multi-User Video Transmissions: A Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 611-622.	4.2	8
62	IADRL: Imitation Augmented Deep Reinforcement Learning Enabled UGV-UAV Coalition for Tasking in Complex Environments. IEEE Access, 2020, 8, 102335-102347.	4.2	16
63	QoS-Aware Bandwidth Allocation and Concurrent Scheduling for Terahertz Wireless Backhaul Networks. IEEE Access, 2020, 8, 125814-125825.	4.2	10
64	Wireless Device Identification Based on Radio Frequency Fingerprint Features. , 2020, , .		26
65	Editorial: Intelligent and Holistic Solutions for Next Generation Wireless Networks. Mobile Networks and Applications, 2020, 25, 1629-1631.	3.3	0
66	Joint Video Caching and Processing for Multi-Bitrate Videos in Ultra-Dense HetNets. IEEE Open Journal of the Communications Society, 2020, 1, 1230-1243.	6.9	6
67	Threats of Adversarial Attacks in DNN-Based Modulation Recognition. , 2020, , .		58
68	Scalable Video Caching for Information Centric Wireless Networks. IEEE Access, 2020, 8, 77272-77284.	4.2	7
69	Resilient Respiration Rate Monitoring With Realtime Bimodal CSI Data. IEEE Sensors Journal, 2020, 20, 10187-10198.	4.7	34
70	Indoor Radio Map Construction and Localization With Deep Gaussian Processes. IEEE Internet of Things Journal, 2020, 7, 11238-11249.	8.7	36
71	Unsupervised Drowsy Driving Detection With RFID. IEEE Transactions on Vehicular Technology, 2020, 69, 8151-8163.	6.3	34
72	Intelligent Radio: When Artificial Intelligence Meets the Radio Network. IEEE Wireless Communications, 2020, 27, 6-8.	9.0	1

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73	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
74	Energy efficiency improvement of solar water heating systems “ An IoT based commissioning methodology. Energy and Buildings, 2020, 224, 110231.	6.7	24
75	An uncertainty-aware deep reinforcement learning framework for residential air conditioning energy management. Applied Energy, 2020, 276, 115426.	10.1	59
76	Complex-Valued Networks for Automatic Modulation Classification. IEEE Transactions on Vehicular Technology, 2020, 69, 10085-10089.	6.3	99
77	Fog-Computing-Based Approximate Spatial Keyword Queries With Numeric Attributes in IoV. IEEE Internet of Things Journal, 2020, 7, 4304-4316.	8.7	6
78	Ensemble Learning for Load Forecasting. IEEE Transactions on Green Communications and Networking, 2020, 4, 616-628.	5.5	41
79	Delay-aware Cellular Traffic Scheduling with Deep Reinforcement Learning. , 2020, , .		16
80	Subject-adaptive Skeleton Tracking with RFID. , 2020, , .		7
81	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
82	On CSI-Based Vital Sign Monitoring Using Commodity WiFi. ACM Transactions on Computing for Healthcare, 2020, 1, 1-27.	5.0	45
83	Deep Spatio-Temporal Attention Model for Grain Storage Temperature Forecasting. , 2020, , .		2
84	Sleep Monitoring Using WiFi Signal. , 2020, , 1300-1306.		0
85	Data augmentation with conditional GAN for automatic modulation classification. , 2020, , .		31
86	Efficiency Improvement of A Solar Water Heating System: An IoT Data-Driven Approach. , 2019, , .		0
87	Metadata Reduction for Soft Video Delivery. IEEE Networking Letters, 2019, 1, 84-88.	1.9	7
88	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
89	Data Driven Model for Performance Evaluation and Anomaly Detection in Integrated Air Source Heat Pump Operation. , 2019, , .		3
90	Soft Aggregation of Multimedia Flows Based on QoS Classes. , 2019, , .		1

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91	Forecasting of Grain Pile Temperature From Meteorological Factors Using Machine Learning. IEEE Access, 2019, 7, 130721-130733.	4.2	17
92	On Remote Temperature Sensing Using Commercial UHF RFID Tags. IEEE Internet of Things Journal, 2019, 6, 10715-10727.	8.7	56
93	TCP-Drinc: Smart Congestion Control Based on Deep Reinforcement Learning. IEEE Access, 2019, 7, 11892-11904.	4.2	51
94	Hierarchical Radio Resource Allocation for Network Slicing in Fog Radio Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 3866-3881.	6.3	63
95	Deep learning approach to multimedia traffic classification based on QoS characteristics. IET Networks, 2019, 8, 145-154.	1.8	4
96	Application of Machine Learning in Wireless Networks: Key Techniques and Open Issues. IEEE Communications Surveys and Tutorials, 2019, 21, 3072-3108.	39.4	357
97	A Survey of Energy Management in Interconnected Multi-Microgrids. IEEE Access, 2019, 7, 72158-72169.	4.2	129
98	Robust RFID Based 6-DoF Localization for Unmanned Aerial Vehicles. IEEE Access, 2019, 7, 77348-77361.	4.2	41
99	Unsupervised Detection of Apnea Using Commodity RFID Tags With a Recurrent Variational Autoencoder. IEEE Access, 2019, 7, 67526-67538.	4.2	21
100	Cooperative Caching for Scalable Video Transmissions Over Heterogeneous Networks. IEEE Networking Letters, 2019, 1, 63-67.	1.9	8
101	Dealing with Limited Backhaul Capacity in Millimeter-Wave Systems: A Deep Reinforcement Learning Approach. IEEE Communications Magazine, 2019, 57, 50-55.	6.1	65
102	Dynamic Channel Allocation for Multi-UAVs: A Deep Reinforcement Learning Approach. , 2019, , .		8
103	MiFi: Device-Free Wheat Mildew Detection Using Off-the-Shelf WiFi Devices. , 2019, , .		4
104	RFID-Based Driving Fatigue Detection. , 2019, , .		5
105	Energy-Efficient Full-Duplex Concurrent Scheduling Based on Contention Graph in mmWave Backhaul Networks. IEEE Access, 2019, 7, 178007-178019.	4.2	2
106	Short-Term Load Forecasting with LSTM Based Ensemble Learning. , 2019, , .		12
107	SparseTag: High-Precision Backscatter Indoor Localization with Sparse RFID Tag Arrays. , 2019, , .		22
108	Joint Power and Channel Resource Optimization in Soft Multi-View Video Delivery. IEEE Access, 2019, 7, 148084-148097.	4.2	10

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109	Grain Pile Temperature Forecasting from Weather Factors: A Support Vector Regression Approach. , 2019, , .		4
110	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
111	LASSO and LSTM Integrated Temporal Model for Short-Term Solar Intensity Forecasting. IEEE Internet of Things Journal, 2019, 6, 2933-2944.	8.7	83
112	Online Energy Management in Microgrids Considering Reactive Power. IEEE Internet of Things Journal, 2019, 6, 2895-2906.	8.7	8
113	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
114	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
115	Electric Vehicle Charge Scheduling Mechanism to Maximize Cost Efficiency and User Convenience. IEEE Transactions on Smart Grid, 2019, 10, 3020-3030.	9.0	83
116	Sleep Monitoring Using WiFi Signal. , 2019, , 1-7.		0
117	Photo Crowdsourcing Based Privacy-Protected Healthcare. IEEE Transactions on Sustainable Computing, 2019, 4, 168-177.	3.1	6
118	TensorBeat. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-27.	4.5	127
119	Adaptive Learning Hybrid Model for Solar Intensity Forecasting. IEEE Transactions on Industrial Informatics, 2018, 14, 1635-1645.	11.3	59
120	Scheduling of Collaborative Sequential Compressed Sensing Over Wide Spectrum Band. IEEE/ACM Transactions on Networking, 2018, 26, 492-505.	3.8	12
121	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
122	Wireless Multimedia Cognitive Radio Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1056-1103.	39.4	141
123	A survey of multimedia big data. China Communications, 2018, 15, 155-176.	3.2	19
124	Interference Management and User Association for Nested Array-Based Massive MIMO HetNets. IEEE Transactions on Vehicular Technology, 2018, 67, 454-466.	6.3	10
125	Solar Power Generation Forecasting With a LASSO-Based Approach. IEEE Internet of Things Journal, 2018, 5, 1090-1099.	8.7	72
126	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

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127	Scheduled Sequential Compressed Spectrum Sensing for Wideband Cognitive Radios. IEEE Transactions on Mobile Computing, 2018, 17, 913-926.	5.8	15
128	Multiobjective Optimization for Computation Offloading in Fog Computing. IEEE Internet of Things Journal, 2018, 5, 283-294.	8.7	380
129	AutoTag: Recurrent Variational Autoencoder for Unsupervised Apnea Detection with RFID Tags. , 2018, , .		16
130	Performance Optimization in Mobile-Edge Computing via Deep Reinforcement Learning. , 2018, , .		95
131	Pure-Exploration Bandits for Channel Selection in Mission-Critical Wireless Communications. IEEE Transactions on Vehicular Technology, 2018, 67, 10995-11007.	6.3	7
132	RFHUI. , 2018, , .		15
133	DeepMap: Deep Gaussian Process for Indoor Radio Map Construction and Location Estimation. , 2018, , .		6
134	Wi-Wheat: Contact-Free Wheat Moisture Detection with Commodity WiFi. , 2018, , .		26
135	Multi-Class Wheat Moisture Detection with 5GHz Wi-Fi: A Deep LSTM Approach. , 2018, , .		12
136	RF Sensing in the Internet of Things: A General Deep Learning Framework. IEEE Communications Magazine, 2018, 56, 62-67.	6.1	80
137	Editorial: Future Wireless Internet Technology and its Applications. Mobile Networks and Applications, 2018, 23, 1394-1395.	3.3	0
138	DeepML: Deep LSTM for Indoor Localization with Smartphone Magnetic and Light Sensors. , 2018, , .		58
139	Learn to Cache: Machine Learning for Network Edge Caching in the Big Data Era. IEEE Wireless Communications, 2018, 25, 28-35.	9.0	160
140	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
141	User Association in Massive MIMO HetNets. IEEE Systems Journal, 2017, 11, 7-19.	4.6	65
142	On distributed power control in full duplex wireless networks. Digital Communications and Networks, 2017, 3, 1-10.	5.0	10
143	A SURVEY OF LTE WI-FI COEXISTENCE IN UNLICENSED BANDS. GetMobile (New York, N Y), 2017, 20, 17-23.	1.0	41
144	Dynamic downlink resource allocation and access strategy for femtocell networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3151.	3.9	5

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145	On Joint BBU/RRH Resource Allocation in Heterogeneous Cloud-RANs. IEEE Internet of Things Journal, 2017, 4, 749-759.	8.7	68
146	BiLoc: Bi-Modal Deep Learning for Indoor Localization With Commodity 5GHz WiFi. IEEE Access, 2017, 5, 4209-4220.	4.2	144
147	MAQ: A Multiple Model Predictive Congestion Control Scheme for Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2017, 16, 2614-2626.	9.2	22
148	A survey of free space optical networks. Digital Communications and Networks, 2017, 3, 67-77.	5.0	127
149	Energy Delay Tradeoff in Multichannel Full-Duplex Wireless LANs. IEEE Internet of Things Journal, 2017, 4, 658-669.	8.7	5
150	Base Station ON-OFF Switching in 5G Wireless Networks: Approaches and Challenges. IEEE Wireless Communications, 2017, 24, 46-54.	9.0	112
151	PhaseBeat: Exploiting CSI Phase Data for Vital Sign Monitoring with Commodity WiFi Devices. , 2017, , .		192
152	Optimal Resource Allocation for Multi-user Video Streaming over mmWave Networks. , 2017, , .		1
153	On Directional Neighbor Discovery in mmWave Networks. , 2017, , .		21
154	CiFi: Deep convolutional neural networks for indoor localization with 5 GHz Wi-Fi. , 2017, , .		99
155	BOOST: Base Station <sc>on</sc>-<sc>off</sc> Switching Strategy for Green Massive MIMO HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 7319-7332.	9.2	41
156	On Link Scheduling in Dual-Hop 60-GHz mmWave Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 11180-11192.	6.3	19
157	Sonarbeat: Sonar Phase for Breathing Beat Monitoring with Smartphones. , 2017, , .		4
158	Adaptive Pilot Design for Massive MIMO HetNets with Wireless Backhaul. , 2017, , .		6
159	Interoperator Opportunistic Spectrum Sharing in LTE-Unclicensed. IEEE Transactions on Vehicular Technology, 2017, 66, 5217-5228.	6.3	15
160	State Estimation in Smart Distribution System With Low-Precision Measurements. IEEE Access, 2017, 5, 22713-22723.	4.2	7
161	SonarBeat: Sonar Phase for Breathing Beat Monitoring with Smartphones. , 2017, , .		6
162	Internet multimedia traffic classification from QoS perspective using semi-supervised dictionary learning models. China Communications, 2017, 14, 202-218.	3.2	10

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163	ResBeat: Resilient Breathing Beats Monitoring with Realtime Bimodal CSI Data. , 2017, , .		9
164	ResLoc: Deep residual sharing learning for indoor localization with CSI tensors. , 2017, , .		46
165	Dealing with link blockage in mmWave networks: D2D relaying or multi-beam reflection?. , 2017, , .		8
166	Harmonious Coexistence and Efficient Spectrum Sharing for LTE-U and Wi-Fi. , 2017, , .		5
167	A 5G Cognitive System for Healthcare. Big Data and Cognitive Computing, 2017, 1, 2.	4.7	110
168	Enhancing the performance of future wireless networks with software-defined networking. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 606-619.	2.6	17
169	Congestion Control for Infrastructure-Based CRNs: A Multiple Model Predictive Control Approach. , 2016, , .		3
170	Energy Efficient Joint Resource Scheduling for Delay-Aware Traffic in Cloud-RAN. , 2016, , .		10
171	Joint cyber and physical attacks against topology of electric grids. , 2016, , .		1
172	Interference Management in Massive MIMO HetNets: A Nested Array Approach. , 2016, , .		4
173	User Intent-Oriented Video QoE with Emotion Detection Networking. , 2016, , .		7
174	QoE-Driven Resource Allocation for DASH over OFDMA Networks. , 2016, , .		12
175	Link scheduling and channel assignment with a graph spectral clustering approach. , 2016, , .		1
176	CSI-based Fingerprinting for Indoor Localization: A Deep Learning Approach. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	578
177	CSI Phase Fingerprinting for Indoor Localization With a Deep Learning Approach. IEEE Internet of Things Journal, 2016, 3, 1113-1123.	8.7	312
178	Quality of Experience Driven Multi-User Video Streaming in Cellular Cognitive Radio Networks With Single Channel Access. IEEE Transactions on Multimedia, 2016, 18, 1401-1413.	7.2	19
179	Harvest the potential of massive MIMO with multi-layer techniques. IEEE Network, 2016, 30, 40-45.	6.9	22
180	BOOST: Base station ON-OFF switching strategy for energy efficient massive MIMO HetNets. , 2016, , .		38

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181	Share communication and computation resources on mobile devices: a social awareness perspective. IEEE Wireless Communications, 2016, 23, 52-59.	9.0	40
182	Distributed Learning for Multi-Channel Selection in Wireless Network Monitoring. , 2016, , .		9
183	Software-Defined Mobile Networks Security. Mobile Networks and Applications, 2016, 21, 729-743.	3.3	92
184	A Decomposition Approach to Quality-Driven Multiuser Video Streaming in Cellular Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2016, 15, 728-739.	9.2	20
185	On power control in full duplex underlay cognitive radio networks. Ad Hoc Networks, 2016, 37, 183-194.	5.5	14
186	Interference Alignment Improves the Capacity of OFDM Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 756-767.	6.3	9
187	Energy Delay Trade-Off in Cloud Offloading for Mutli-Core Mobile Devices. , 2015, , .		19
188	PhaseFi: Phase Fingerprinting for Indoor Localization with a Deep Learning Approach. , 2015, , .		68
189	False data injection attacks with local topology information against linear state estimation. , 2015, , .		6
190	Additive Cancellation Signal Method for Sidelobe Suppression in NC-OFDM Based Cognitive Radio Systems. , 2015, , .		1
191	Energy Delay Tradeoff in Cloud Offloading for Multi-Core Mobile Devices. IEEE Access, 2015, 3, 2306-2316.	4.2	79
192	Mobility improves LMI-based cooperative indoor localization. , 2015, , .		4
193	A survey of QoE-driven video streaming over cognitive radio networks. IEEE Network, 2015, 29, 20-25.	6.9	20
194	DeepFi: Deep learning for indoor fingerprinting using channel state information. , 2015, , .		83
195	Frame-Based Medium Access Control for 5G Wireless Networks. Mobile Networks and Applications, 2015, 20, 763-772.	3.3	21
196	Distributed power control in full duplex wireless networks. , 2015, , .		11
197	Duplex mode selection and channel allocation for full-duplex cognitive femtocell networks. , 2015, , .		11
198	On Hierarchical Power Scheduling for the Macrogrid and Cooperative Microgrids. IEEE Transactions on Industrial Informatics, 2015, 11, 1574-1584.	11.3	125

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199	Approximation Algorithms for Cell Association and Scheduling in Femtocell Networks. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 432-443.	4.6	28
200	EMC: Emotion-aware mobile cloud computing in 5G. IEEE Network, 2015, 29, 32-38.	6.9	164
201	Minimum time length link scheduling under blockage and interference in 60GHz networks. , 2015, , .		2
202	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
203	Analysis of solar generation and weather data in smart grid with simultaneous inference of nonlinear time series. , 2015, , .		12
204	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
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