Mao Yang

List of Publications by Year
in descending order

60 papers	718 citations	840776 11 h-index	677142 22 g-index
63 all docs	63 docs citations	63 times ranked	706 citing authors

#	Article	IF	Citations
1	Utility Maximization of Capacity Entropy for Dense IEEE 802.11ax WLANs based on Interference Characteristics. Mobile Networks and Applications, 2022, 27, 141-157.	3.3	2
2	Utility optimization of grouping-based uplink OFDMA random access for the next generation WLANs. Wireless Networks, 2021, 27, 809-823.	3.0	8
3	MAC Technology of IEEE 802.11ax: Progress and Tutorial. Mobile Networks and Applications, 2021, 26, 1122-1136.	3.3	16
4	An asynchronous neighbor discovery protocol based on double tokens in directional ad hoc networks. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2021, 39, 62-70.	0.5	0
5	An multi-BSS multi-user full duplex MAC protocol based on AP cooperation for the next generation WLAN. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2021, 39, 502-509.	0.5	0
6	An Optimal Multi-round Multi-slot Hello-Reply Directional Neighbor Discovery Algorithm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 468-486.	0.3	0
7	Performance analysis for 5G beamforming heterogeneous networks. Wireless Networks, 2020, 26, 463-477.	3.0	6
8	An efficient multiple access control protocol for directional dense urban traffic surveillance system. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 237-253.	4.2	4
9	QoS-Oriented joint optimization of resource allocation and concurrent scheduling in 5G millimeter-wave network. Computer Networks, 2020, 166, 106979.	5.1	13
10	LC-DFSA: Low Complexity Dynamic Frame Slotted Aloha Anti-Collision Algorithm for RFID System. Sensors, 2020, 20, 228.	3.8	11
11	A Spatial Group-Based Multi-User Full-Duplex OFDMA MAC Protocol for the Next-Generation WLAN. Sensors, 2020, 20, 3826.	3.8	9
12	Survey and Perspective on Extremely High Throughput (EHT) WLAN â€" IEEE 802.11be. Mobile Networks and Applications, 2020, 25, 1765-1780.	3.3	22
13	A Trigger-Free Multi-user Full Duplex User-Pairing Optimizing MAC Protocol. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 598-610.	0.3	5
14	Environment Sensing Based Adaptive Acknowledgement and Backoff for the Next Generation WLAN. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 249-259.	0.3	0
15	Group-Based Uplink OFDMA Random Access Algorithm for Next-Generation WLANs. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2020, 38, 155-161.	0.5	1
16	Performance analysis of multi-channel MAC with single transceiver for the next generation WLAN. Journal of Network and Computer Applications, 2019, 146, 102408.	9.1	4
17	A spatial clustering group division-based OFDMA access protocol for the next generation WLAN. Wireless Networks, 2019, 25, 5083-5097.	3.0	9
18	Utility maximization of capacity entropy for multi-user access for the next generation WLANs. Computer Communications, 2019, 145, 309-318.	5.1	3

#	Article	IF	Citations
19	DRA-OFDMA: Double Random Access Based QoS Oriented OFDMA MAC Protocol for the Next Generation WLAN. Mobile Networks and Applications, 2019, 24, 1425-1436.	3.3	7
20	Survey and Performance Evaluation of the Upcoming Next Generation WLANs Standard - IEEE 802.11ax. Mobile Networks and Applications, 2019, 24, 1461-1474.	3.3	45
21	A Bi-Directional Carrier Sense Collision Avoidance Neighbor Discovery Algorithm in Directional Wireless Ad Hoc Sensor Networks. Sensors, 2019, 19, 2120.	3.8	11
22	Algorithm Research For Positioning Parameter Acquisition Based on Differential Image Matching. , 2019, , .		2
23	The Research for A Kind of Information Fusion Model Based on BP Neural Network with Multi Position Sources and Big Data Selection. , 2019, , .		2
24	AP Coordination and Full-duplex enabled Multi-band Operation for the Next Generation WLAN: IEEE 802.11be (EHT). , 2019, , .		30
25	Remaining bandwidth based multipath routing in 5G millimeter wave self-backhauling network. Wireless Networks, 2019, 25, 3839-3855.	3.0	3
26	Concept and Analysis of Capacity Entropy for Uplink Multi-User Media Access Control for the Next-Generation WLANs. Mobile Networks and Applications, 2019, 24, 1572-1586.	3.3	13
27	An OFDMA-based joint reservation and cooperation MAC protocol for the next generation WLAN. Wireless Networks, 2019, 25, 471-485.	3.0	11
28	ESR: Enhanced Spatial Reuse Mechanism for the Next Generation WLAN - IEEE 802.11ax. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 265-274.	0.3	0
29	PSR: Probability Based Spatial Reuse Mechanism for the Next Generation WLAN. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 275-283.	0.3	0
30	SGMA: Semi-granted multiple access for non-orthogonal multiple access (NOMA) in 5G networking. Journal of Network and Computer Applications, 2018, 112, 115-125.	9.1	11
31	A channel reservation based cooperative multi-channel MAC protocol for the next generation WLAN. Wireless Networks, 2018, 24, 627-646.	3.0	5
32	Power Control Based Multiuser Full-Duplex MAC Protocol for the Next Generation Wireless Networks. Mobile Networks and Applications, 2018, 23, 1008-1019.	3.3	7
33	System Analysis and Performance Evaluation for the Next Generation mmWave WLAN: IEEE 802.11ay. , 2018, , .		3
34	Multi-channel Multiple Access Protocol Based on Classified Time Slots for Directional Ad Hoc Networks. , 2018, , .		1
35	Design and Implementation of a Frequency Hopping Hybrid Multiple Access Protocol on FPGA. , 2018, , .		1
36	Spatial Clustering Group-Based OFDMA Multiple Access Protocol with Carrier Sensing for the Next-generation WLANs. , 2018, , .		1

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37	A Channel Bonding Based QoS-Aware OFDMA MAC Protocol for the Next Generation WLAN. Mobile Networks and Applications, 2017, 22, 19-29.	3.3	14
38	FH-SCMA: Frequency-Hopping Based Sparse Code Multiple Access for Next Generation Internet of Things. , 2017, , .		22
39	Fairness Oriented MAC Protocol for the Next Generation WLAN. , 2017, , .		3
40	MU-FuPlex: A Multiuser Full-Duplex MAC Protocol for the Next Generation Wireless Networks. , 2017, , .		15
41	AJRC-MAC: An ALOHA-Based Joint Reservation and Cooperation MAC for Dense Wireless Networks. , 2017, , .		1
42	Beam coordinated multi-points transmission for 5G millimeter-wave network. , 2017, , .		1
43	Memory compact high-speed QC-LDPC decoder. , 2017, , .		10
44	The neighbor channel sensing capability for wireless networks. , 2016, , .		0
45	Integrated Link-System Level Simulation Platform for the Next Generation WLAN - IEEE 802.11ax. , 2016, , .		22
46	Outage analysis for 5G beamforming heterogeneous networks. , 2016, , .		3
47	A distributed Multi-channel MAC protocol with Parallel Cooperation for the Next Generation WLAN. , 2016, , .		1
48	MAC protocol framework for 5G mmWave backhaul network. , 2016, , .		1
49	Cell capacity for 5G cellular network with inter-beam interference. , 2016, , .		6
50	A channel reservation based multi-channel MAC protocol with serial cooperation for the next Generation WLAN. , 2016, , .		0
51	Capacity analysis of dense wireless networks with joint optimization of reservation and cooperation. , 2016, , .		2
52	Service†oriented 5G network architecture: an end†to†end software defining approach. International Journal of Communication Systems, 2016, 29, 1645-1657.	2.5	16
53	Capacity analysis of wireless ad hoc networks with improved channel reservation. , 2015, , .		3
54	QoE-aware admission control and MAC layer parameter configuration algorithm in WLAN. , 2015, , .		6

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55	An OFDMA based multiple access protocol with QoS guarantee for next generation WLAN. , 2015, , .		7
56	Cross-Layer Software-Defined 5G Network. Mobile Networks and Applications, 2015, 20, 400-409.	3.3	10
57	Survey on OFDMA based MAC protocols for the next generation WLAN. , 2015, , .		32
58	An OFDMA based concurrent multiuser MAC for upcoming IEEE 802.11ax. , 2015, , .		44
59	Software-Defined and Virtualized Future Mobile and Wireless Networks: A Survey. Mobile Networks and Applications, 2015, 20, 4-18.	3.3	219
60	FuPlex: A Full Duplex MAC for the Next Generation WLAN. , 2015, , .		14