

Zhongjiang Yan

List of Publications by Year in descending order

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553
citing authors

#	ARTICLE	IF	CITATIONS
1	\$k\$-Connectivity Analysis of One-Dimensional Linear VANETs. IEEE Transactions on Vehicular Technology, 2012, 61, 426-433.	6.3	88
2	Fast Data Collection in Linear Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 1951-1957.	6.3	62
3	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
4	An OFDMA based concurrent multiuser MAC for upcoming IEEE 802.11ax. , 2015, , .		44
5	Survey on OFDMA based MAC protocols for the next generation WLAN. , 2015, , .		32
6	AP Coordination and Full-duplex enabled Multi-band Operation for the Next Generation WLAN: IEEE 802.11be (EHT). , 2019, , .		30
7	Integrated Link-System Level Simulation Platform for the Next Generation WLAN - IEEE 802.11ax. , 2016, , .		22
8	FH-SCMA: Frequency-Hopping Based Sparse Code Multiple Access for Next Generation Internet of Things. , 2017, , .		22
9	Optimal Traffic Scheduling in Vehicular Delay Tolerant Networks. IEEE Communications Letters, 2012, 16, 50-53.	4.1	18
10	MAC Technology of IEEE 802.11ax: Progress and Tutorial. Mobile Networks and Applications, 2021, 26, 1122-1136.	3.3	16
11	MU-FuPlex: A Multiuser Full-Duplex MAC Protocol for the Next Generation Wireless Networks. , 2017, , .		15
12	Efficient Data Traffic Forwarding for Infrastructure-to-Infrastructure Communications in VANETs. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 839-853.	8.0	15
13	Optimal Traffic Scheduling Between Roadside Units in Vehicular Delay-Tolerant Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1079-1094.	6.3	14
14	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
15	FuPlex: A Full Duplex MAC for the Next Generation WLAN. , 2015, , .		14
16	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
17	QoS-Oriented joint optimization of resource allocation and concurrent scheduling in 5G millimeter-wave network. Computer Networks, 2020, 166, 106979.	5.1	13
18	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

#	ARTICLE	IF	CITATIONS
19	A Bi-Directional Carrier Sense Collision Avoidance Neighbor Discovery Algorithm in Directional Wireless Ad Hoc Sensor Networks. <i>Sensors</i> , 2019, 19, 2120.	3.8	11
20	An OFDMA-based joint reservation and cooperation MAC protocol for the next generation WLAN. <i>Wireless Networks</i> , 2019, 25, 471-485.	3.0	11
21	LC-DFSA: Low Complexity Dynamic Frame Slotted Aloha Anti-Collision Algorithm for RFID System. <i>Sensors</i> , 2020, 20, 228.	3.8	11
22	Cross-Layer Software-Defined 5G Network. <i>Mobile Networks and Applications</i> , 2015, 20, 400-409.	3.3	10
23	Memory compact high-speed QC-LDPC decoder. , 2017, , .		10
24	A new multi-channel MAC protocol based on Multi-step Channel Reservation. , 2014, , .		9
25	A spatial clustering group division-based OFDMA access protocol for the next generation WLAN. <i>Wireless Networks</i> , 2019, 25, 5083-5097.	3.0	9
26	A Spatial Group-Based Multi-User Full-Duplex OFDMA MAC Protocol for the Next-Generation WLAN. <i>Sensors</i> , 2020, 20, 3826.	3.8	9
27	Utility optimization of grouping-based uplink OFDMA random access for the next generation WLANs. <i>Wireless Networks</i> , 2021, 27, 809-823.	3.0	8
28	An OFDMA based multiple access protocol with QoS guarantee for next generation WLAN. , 2015, , .		7
29	Power Control Based Multiuser Full-Duplex MAC Protocol for the Next Generation Wireless Networks. <i>Mobile Networks and Applications</i> , 2018, 23, 1008-1019.	3.3	7
30	DRA-OFDMA: Double Random Access Based QoS Oriented OFDMA MAC Protocol for the Next Generation WLAN. <i>Mobile Networks and Applications</i> , 2019, 24, 1425-1436.	3.3	7
31	QoE-aware admission control and MAC layer parameter configuration algorithm in WLAN. , 2015, , .		6
32	Cell capacity for 5G cellular network with inter-beam interference. , 2016, , .		6
33	Performance analysis for 5G beamforming heterogeneous networks. <i>Wireless Networks</i> , 2020, 26, 463-477.	3.0	6
34	A channel reservation based cooperative multi-channel MAC protocol for the next generation WLAN. <i>Wireless Networks</i> , 2018, 24, 627-646.	3.0	5
35	A Trigger-Free Multi-user Full Duplex User-Pairing Optimizing MAC Protocol. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 598-610.	0.3	5
36	Performance analysis of multi-channel MAC with single transceiver for the next generation WLAN. <i>Journal of Network and Computer Applications</i> , 2019, 146, 102408.	9.1	4

#	ARTICLE	IF	CITATIONS
37	An efficient multiple access control protocol for directional dense urban traffic surveillance system. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 237-253.	4.2	4
38	A Cooperative Channel Reservation MAC Protocol with Adaptive Power Control and Carrier Sensing. , 2012, , .		3
39	Capacity analysis of wireless ad hoc networks with improved channel reservation. , 2015, , .		3
40	Outage analysis for 5G beamforming heterogeneous networks. , 2016, , .		3
41	System Analysis and Performance Evaluation for the Next Generation mmWave WLAN: IEEE 802.11ay. , 2018, , .		3
42	Utility maximization of capacity entropy for multi-user access for the next generation WLANs. <i>Computer Communications</i> , 2019, 145, 309-318.	5.1	3
43	Remaining bandwidth based multipath routing in 5G millimeter wave self-backhauling network. <i>Wireless Networks</i> , 2019, 25, 3839-3855.	3.0	3
44	Fair downlink traffic scheduling for energy sustainable vehicular roadside infrastructure. , 2014, , .		2
45	Capacity analysis of dense wireless networks with joint optimization of reservation and cooperation. , 2016, , .		2
46	Algorithm Research For Positioning Parameter Acquisition Based on Differential Image Matching. , 2019, , .		2
47	The Research for A Kind of Information Fusion Model Based on BP Neural Network with Multi Position Sources and Big Data Selection. , 2019, , .		2
48	Utility Maximization of Capacity Entropy for Dense IEEE 802.11ax WLANs based on Interference Characteristics. <i>Mobile Networks and Applications</i> , 2022, 27, 141-157.	3.3	2
49	Performance analysis of RSU-to-vehicle system in vehicular delay tolerant networks. , 2013, , .		1
50	Design and implementation of FPGA-based transmitter memory management system. , 2014, , .		1
51	A distributed Multi-channel MAC protocol with Parallel Cooperation for the Next Generation WLAN. , 2016, , .		1
52	MAC protocol framework for 5G mmWave backhaul network. , 2016, , .		1
53	AJRC-MAC: An ALOHA-Based Joint Reservation and Cooperation MAC for Dense Wireless Networks. , 2017, , .		1
54	Beam coordinated multi-points transmission for 5G millimeter-wave network. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
55	Multi-channel Multiple Access Protocol Based on Classified Time Slots for Directional Ad Hoc Networks. , 2018, , .		1
56	Design and Implementation of a Frequency Hopping Hybrid Multiple Access Protocol on FPGA. , 2018, , .		1
57	Spatial Clustering Group-Based OFDMA Multiple Access Protocol with Carrier Sensing for the Next-generation WLANs. , 2018, , .		1
58	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
59	The neighbor channel sensing capability for wireless networks. , 2016, , .		0
60	A channel reservation based multi-channel MAC protocol with serial cooperation for the next Generation WLAN. , 2016, , .		0
61	Conflict Graph Based Concurrent Transmission Scheduling Algorithms for the Next Generation WLAN. Mobile Networks and Applications, 2020, 25, 1873-1885.	3.3	0
62	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
63	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
64	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
65	Downlink Traffic Scheduling with Contact Durations Awareness for Vehicular Infrastructures. International Journal of Distributed Sensor Networks, 2014, 10, 451372.	2.2	0
66	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
67	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
68	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