

Wanming Hao

List of Publications by Year in descending order

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76
papers

1,575
citations

331670

21
h-index

315739

38
g-index

77
all docs

77
docs citations

77
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Reflecting Surface Aided Multi-Antenna Secure Transmission. IEEE Wireless Communications Letters, 2020, 9, 108-112.	5.0	184
2	Sum Rate Maximization for IRS-Assisted Uplink NOMA. IEEE Communications Letters, 2021, 25, 234-238.	4.1	144
3	Energy-Efficient Power Allocation in Millimeter Wave Massive MIMO With Non-Orthogonal Multiple Access. IEEE Wireless Communications Letters, 2017, 6, 782-785.	5.0	130
4	Intelligent Reflecting Surface Assisted Mobile Edge Computing for Internet of Things. IEEE Wireless Communications Letters, 2021, 10, 619-623.	5.0	101
5	Energy-Efficient Power Allocation in Uplink mmWave Massive MIMO With NOMA. IEEE Transactions on Vehicular Technology, 2019, 68, 3000-3004.	6.3	79
6	Secrecy Rate Optimization for Intelligent Reflecting Surface Assisted MIMO System. IEEE Transactions on Information Forensics and Security, 2021, 16, 1655-1669.	6.9	58
7	Robust Design for Intelligent Reflecting Surface-Assisted MIMO-OFDMA Terahertz IoT Networks. IEEE Internet of Things Journal, 2021, 8, 13052-13064.	8.7	57
8	Small Cell Cluster-Based Resource Allocation for Wireless Backhaul in Two-Tier Heterogeneous Networks With Massive MIMO. IEEE Transactions on Vehicular Technology, 2018, 67, 509-523.	6.3	45
9	Green Communication for NOMA-Based CRAN. IEEE Internet of Things Journal, 2019, 6, 666-678.	8.7	41
10	Energy-Efficient Resource Allocation for mmWave Massive MIMO HetNets With Wireless Backhaul. IEEE Access, 2018, 6, 2457-2471.	4.2	38
11	Resource Allocation for Intelligent Reflecting Surface Assisted Wireless Powered IoT Systems With Power Splitting. IEEE Transactions on Wireless Communications, 2022, 21, 2987-2998.	9.2	37
12	Robust Beamforming Designs in Secure MIMO SWIPT IoT Networks With a Nonlinear Channel Model. IEEE Internet of Things Journal, 2021, 8, 1702-1715.	8.7	36
13	A Novel Transmission Policy for Intelligent Reflecting Surface Assisted Wireless Powered Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1143-1158.	10.8	35
14	Power Minimization for Multi-Cell Uplink NOMA With Imperfect SIC. IEEE Wireless Communications Letters, 2020, 9, 2030-2034.	5.0	31
15	Resource Allocations for Symbiotic Radio With Finite Blocklength Backscatter Link. IEEE Internet of Things Journal, 2020, 7, 8192-8207.	8.7	31
16	Robust Beamforming Design for IRS-Aided Secure SWIPT Terahertz Systems With Non-Linear EH Model. IEEE Wireless Communications Letters, 2022, 11, 746-750.	5.0	29
17	Dynamic Small Cell Clustering and Non-Cooperative Game-Based Precoding Design for Two-Tier Heterogeneous Networks With Massive MIMO. IEEE Transactions on Communications, 2018, 66, 675-687.	7.8	27
18	Price-Based Resource Allocation in Massive MIMO H-CRANs With Limited Fronthaul Capacity. IEEE Transactions on Wireless Communications, 2018, 17, 7691-7703.	9.2	27

#	ARTICLE	IF	CITATIONS
19	Delay Minimization for Massive MIMO Assisted Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 6788-6792.	6.3	27
20	Hybrid Precoding Design for Wideband THz Massive MIMO-OFDM Systems With Beam Squint. IEEE Systems Journal, 2021, 15, 3925-3928.	4.6	23
21	Energy-Efficient Hybrid Precoding Design for Integrated Multicast-Unicast Millimeter Wave Communications With SWIPT. IEEE Transactions on Vehicular Technology, 2019, 68, 10956-10968.	6.3	22
22	Massive MIMO-Assisted Mobile Edge Computing: Exciting Possibilities for Computation Offloading. IEEE Vehicular Technology Magazine, 2020, 15, 31-38.	3.4	21
23	RIS Assisted Wireless Powered IoT Networks With Phase Shift Error and Transceiver Hardware Impairment. IEEE Transactions on Communications, 2022, 70, 4910-4924.	7.8	21
24	Q-Learning-Based Task Offloading and Resources Optimization for a Collaborative Computing System. IEEE Access, 2020, 8, 149011-149024.	4.2	20
25	Power Allocation for Massive MIMO Cognitive Radio Networks With Pilot Sharing Under SINR Requirements of Primary Users. IEEE Transactions on Vehicular Technology, 2018, 67, 1174-1186.	6.3	18
26	Beamforming Design in SWIPT-Based Joint Multicast-Unicast mmWave Massive MIMO With Lens-Antenna Array. IEEE Wireless Communications Letters, 2019, 8, 1124-1128.	5.0	18
27	Edge Cache-Assisted Secure Low-Latency Millimeter-Wave Transmission. IEEE Internet of Things Journal, 2020, 7, 1815-1825.	8.7	18
28	Energy-Efficient Resource Allocation for IRS-Assisted Multi-Antenna Uplink Systems. IEEE Wireless Communications Letters, 2021, 10, 1261-1265.	5.0	18
29	An optimal control strategy design for plug-in hybrid electric vehicles based on internet of vehicles. Energy, 2021, 228, 120631.	8.8	17
30	Codebook-Based Max-Min Energy-Efficient Resource Allocation for Uplink mmWave MIMO-NOMA Systems. IEEE Transactions on Communications, 2019, 67, 8303-8314.	7.8	15
31	Energy Efficiency-Delay Tradeoff for a Cooperative NOMA System. IEEE Communications Letters, 2019, 23, 732-735.	4.1	14
32	UAV Assisted Spectrum Sharing Ultra-Reliable and Low-Latency Communications. , 2019, , .		13
33	Resource Allocation in Multi-User Cognitive Radio Network With Stackelberg Game. IEEE Access, 2020, 8, 58260-58270.	4.2	13
34	Secrecy Rate Optimization in Nonlinear Energy Harvesting Model-Based mmWave IoT Systems With SWIPT. IEEE Systems Journal, 2022, 16, 5939-5949.	4.6	12
35	Secure Energy Efficiency Transmission for mmWave-NOMA System. IEEE Systems Journal, 2021, 15, 2226-2229.	4.6	11
36	Joint Offloading and Resource Allocation for Multi-User Multi-Edge Collaborative Computing System. IEEE Transactions on Vehicular Technology, 2022, 71, 3383-3388.	6.3	11

#	ARTICLE	IF	CITATIONS
37	Beam Alignment for MIMO-NOMA Millimeter Wave Communication Systems. , 2019, , .		10
38	Wireless-Powered Intelligent Radio Environment With Nonlinear Energy Harvesting. IEEE Internet of Things Journal, 2022, 9, 18130-18141.	8.7	10
39	A Vehicle-Environment Cooperative Control Based Velocity Profile Prediction Method and Case Study in Energy Management of Plug-in Hybrid Electric Vehicles. IEEE Access, 2019, 7, 75965-75975.	4.2	8
40	A novel strategy for power sources management in connected plug-in hybrid electric vehicles based on mobile edge computation framework. Journal of Power Sources, 2020, 477, 228650.	7.8	8
41	Secure Millimeter Wave Cloud Radio Access Networks Relying on Microwave Multicast Fronthaul. IEEE Transactions on Communications, 2020, 68, 3079-3095.	7.8	8
42	Multi-tier MEC offloading strategy based on dynamic channel characteristics. IET Communications, 2020, 14, 4029-4037.	2.2	8
43	Unlock Self-Sustainability of Reconfigurable Intelligent Surface in Wireless Powered IoT Networks. IEEE Communications Magazine, 2022, 60, 74-80.	6.1	8
44	Optimal resource allocation for cooperative orthogonal frequency division multiplexing-based cognitive radio networks with imperfect spectrum sensing. IET Communications, 2015, 9, 548-557.	2.2	7
45	Joint Beamforming and Power Splitting Design for C-RAN With Multicast Fronthaul. IEEE Wireless Communications Letters, 2020, 9, 571-575.	5.0	6
46	Energy-Efficient Joint Power Control and Receiver Design for Uplink mmWave-NOMA. , 2020, , .		5
47	Intelligent-Reflecting-Surface-Empowered Wireless-Powered Caching Networks. IEEE Internet of Things Journal, 2022, 9, 13153-13167.	8.7	5
48	Pilot Allocation for Multi-Cell TDD Massive MIMO Systems. , 2017, , .		4
49	Coordinated Hybrid Precoding Design in Millimeter Wave Fog-RAN. IEEE Systems Journal, 2020, 14, 673-676.	4.6	4
50	Machine Learning-Based Beamforming Design for Millimeter Wave IRS Communications With Discrete Phase Shifters. IEEE Wireless Communications Letters, 2022, 11, 2467-2471.	5.0	4
51	Smart Grid Enabled Computation Offloading and Resource Allocation for SWIPT-Based MEC System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3610-3614.	3.0	4
52	Energy-Efficient Resource Allocation in Sensing-Based Spectrum Sharing for Cooperative Cognitive Radio Networks. IEICE Transactions on Communications, 2016, E99.B, 1763-1771.	0.7	3
53	Energy Efficient Hybrid Precoding in Heterogeneous Networks with Limited Wireless Backhaul Capacity. , 2018, , .		3
54	Pilot Allocation for Interference Coordination In Two-Tier Massive MIMO Heterogeneous Network. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
55	Uplink Pilot Allocation for Multi-Cell Massive MIMO Systems. IEICE Transactions on Communications, 2019, E102.B, 373-380.	0.7	3
56	Markov decision process-based computation offloading algorithm and resource allocation in time constraint for mobile cloud computing. IET Communications, 2020, 14, 2068-2078.	2.2	3
57	Robust Max-Min Fair Beamforming of Secrecy SWIPT IoT Systems Under a Non-Linear EH Model. , 2021, , .		3
58	Cooperative scheduling of multi-core and cloud resources: fine-grained offloading strategy for multithreaded applications. IET Communications, 2020, 14, 1632-1641.	2.2	3
59	AN-Based Beamforming Design in Secrecy Heterogeneous WSN with MIMO-SWIPT. , 2019, , .		2
60	Hybrid Precoding Design for SWIPT Joint Multicast-Unicast mmWave System with Subarray Structure. , 2019, , .		2
61	AN-Aided Secure Beamforming in Power-Splitting-Enabled SWIPT MIMO Heterogeneous Wireless Sensor Networks. Electronics (Switzerland), 2019, 8, 459.	3.1	2
62	Power Allocation and Outage Analysis for Secure MISO Cognitive Radio Networks With an Unknown Eavesdropper. IEEE Transactions on Vehicular Technology, 2020, 69, 16294-16298.	6.3	2
63	Secure Energy Efficiency for mmWave-NOMA Cognitive Satellite Terrestrial Network. IEEE Communications Letters, 2023, 27, 283-287.	4.1	2
64	Relay Selection and Subcarrier-Pair Based Energy-Efficient Resource Allocation for Multirelay Cooperative OFDMA Networks. International Journal of Antennas and Propagation, 2014, 2014, 1-13.	1.2	1
65	Optimal Resource Allocation for CR Networks with Multi-Group Multicast Based on Inter-Group and Inner-Group Cooperation Transmission. , 2015, , .		1
66	Pilot Allocation and Interference Coordination for Heterogeneous Network with Massive MIMO/TDD. , 2018, , .		1
67	Jointly Design of Beamforming and AN in SWIPT-Enabled Secure Cognitive Radio Networks. , 2018, , .		0
68	Robust Resource Allocation Based Energy Harvesting in Distributed Antenna System. , 2018, , .		0
69	Uplink Pilot Power Allocation for MA-MIMO-HetNet Remote Health Systems. , 2020, , .		0
70	Neural network promotes the transmission quality of remote health based on 5G technology. , 2020, , .		0
71	Hybrid Precoding Design for Security MU-MISO SWIPT Millimeter Wave Systems. , 2020, , .		0
72	Secrecy Rate Maximization in Millimeter Wave SWIPT Systems based on Non-Linear Energy Harvesting. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
73	An Optimized Process of Multiscale Retinex Algorithm Based on Hardware System. , 2020, , .		0
74	Fog/edge computing technology and big data system with IoT. , 2022, , 299-336.		0
75	MmWave technology and Terahertz technology IoT communications. , 2022, , 185-243.		0
76	A Low-Complexity Joint Estimation and Detection Scheme of OFDM System With Combined BP-MF and VAMP. IEEE Transactions on Vehicular Technology, 2022, 71, 4506-4511.	6.3	0