Yue Chen

List of Publications by Year
in descending order

102 papers	3,721 citations	218677 26 h-index	206112 48 g-index
103 all docs	103 docs citations	103 times ranked	3320 citing authors

#	Article	IF	Citations
1	Multi-Agent Reinforcement Learning in NOMA-Aided UAV Networks for Cellular Offloading. IEEE Transactions on Wireless Communications, 2022, 21, 1498-1512.	9.2	25
2	Deep Learning for Latent Events Forecasting in Content Caching Networks. IEEE Transactions on Wireless Communications, 2022, 21, 413-428.	9.2	5
3	MIMO Assisted Networks Relying on Intelligent Reflective Surfaces: A Stochastic Geometry Based Analysis. IEEE Transactions on Vehicular Technology, 2022, 71, 571-582.	6.3	16
4	Artificial Intelligence Aided Next-Generation Networks Relying on UAVs. IEEE Wireless Communications, 2021, 28, 120-127.	9.0	39
5	Machine Learning for User Partitioning and Phase Shifters Design in RIS-Aided NOMA Networks. IEEE Transactions on Communications, 2021, 69, 7414-7428.	7.8	33
6	RIS Enhanced Massive Non-Orthogonal Multiple Access Networks: Deployment and Passive Beamforming Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1057-1071.	14.0	120
7	A survey on blockchainâ€enabled smart grids: Advances, applications and challenges. IET Smart Cities, 2021, 3, 56-78.	3.1	25
8	Integrated 3C in NOMA-Enabled Remote-E-Health Systems. IEEE Wireless Communications, 2021, 28, 62-68.	9.0	5
9	Resource Allocation for Multi-Cell IRS-Aided NOMA Networks. IEEE Transactions on Wireless Communications, 2021, 20, 4253-4268.	9.2	107
10	Machine Learning Empowered Trajectory and Passive Beamforming Design in UAV-RIS Wireless Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 2042-2055.	14.0	125
11	Adaptive Reinforcement Learning Framework for NOMA-UAV Networks. IEEE Communications Letters, 2021, 25, 2943-2947.	4.1	8
12	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. IEEE Wireless Communications, 2021, 28, 66-73.	9.0	28
13	Reconfigurable Intelligent Surface Aided NOMA Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 2575-2588.	14.0	215
14	Massive NOMA Enhanced IoT Networks with Partial CSI. , 2020, , .		3
15	Cache-Aided NOMA Mobile Edge Computing: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 6899-6915.	9.2	65
16	MIMO-NOMA Networks Relying on Reconfigurable Intelligent Surface: A Signal Cancellation-Based Design. IEEE Transactions on Communications, 2020, 68, 6932-6944.	7.8	81
17	Performance Analysis for Large Intelligent Surfaces enabled MIMO Networks. , 2020, , .		1
18	Ultraâ€dense LoRaWAN: Reviews and challenges. IET Communications, 2020, 14, 1361-1371.	2.2	19

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19	Enhancing the Fuel-Economy of V2I-Assisted Autonomous Driving: A Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 8329-8342.	6.3	39
20	NOMA-Enhanced Terrestrial and Aerial IoT Networks With Partial CSI. IEEE Internet of Things Journal, 2020, 7, 3254-3266.	8.7	15
21	Intelligent Reflecting Surface Aided Multi-Cell NOMA Networks. , 2020, , .		2
22	Exploiting NOMA for UAV Communications in Large-Scale Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6897-6911.	7.8	55
23	Deep Reinforcement Learning in Cache-Aided MEC Networks. , 2019, , .		23
24	Trajectory Design and Power Control for Multi-UAV Assisted Wireless Networks: A Machine Learning Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 7957-7969.	6.3	238
25	Non-Orthogonal Multiple Access in Air-to-Everything (A2X) Networks. , 2019, , .		1
26	Enhanced Proof-of-Benefit: A Secure Blockchain-Enabled EV Charging System. , 2019, , .		9
27	Use of Unsupervised Learning Clustering Algorithm to Reduce Collisions and Delay within LoRa System for Dense Applications. , 2019, , .		10
28	Multiple Antenna Aided NOMA in UAV Networks: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2019, 67, 1031-1044.	7.8	121
29	Modeling and Analysis of Two-Way Relay Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2018, 66, 3784-3796.	7.8	106
30	Efficient Economic and Resilience-Based Optimization for Disaster Recovery Management of Critical Infrastructures. Energies, 2018, 11, 3418.	3.1	13
31	Energy-Efficient Mobile-Edge Computation Offloading for Applications with Shared Data. , 2018, , .		20
32	Deployment and Movement for Multiple Aerial Base Stations by Reinforcement Learning. , 2018, , .		16
33	Adaptive Blockchain-Based Electric Vehicle Participation Scheme in Smart Grid Platform. IEEE Access, 2018, 6, 25657-25665.	4.2	149
34	Energy Efficiency Analysis of Cache-Enabled Cellular Networks with Limited Backhaul. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	7
35	Resource allocation in cache-enabled energy-cooperative HetNets. , 2018, , .		2
36	Backhaul Aware Energy Efficiency Analysis of Cache-Enabled Cellular Networks (Invited Paper). , 2018, , .		1

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37	Delay-Aware Energy Efficient Computation Offloading for Energy Harvesting Enabled Fog Radio Access Networks. , 2018, , .		16
38	Outage Performance of a Unified Non-Orthogonal Multiple Access Framework. , 2018, , .		6
39	A Unified Framework for Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2018, 66, 5346-5359.	7.8	87
40	Backhaul aware joint uplink and downlink user association for delay–power trade–offs in HetNets with hybrid energy sources. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2968.	3.9	5
41	Joint mode selection and resource allocation for machine–type D2D links. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3000.	3.9	12
42	SE and EE of Uplink D2D Underlaid Massive MIMO Cellular Networks with Power Control. , 2017, , .		4
43	Optimal Base Station Density in Cellular Networks with Self-Similar Traffic Characteristics. , 2017, , .		2
44	Energy-Aware User Association in Energy-Cooperation Enabled HetNets. , 2017, , .		2
45	Spectrum Allocation and Power Control for Non-Orthogonal Multiple Access in HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 5825-5837.	9.2	160
46	Energy-aware Restricted Access Window control with retransmission scheme for IEEE 802.11ah (Wi-Fi) Tj ETQq0 0 0 rgBT /Overlock 10 T		17
47	Matching With Peer Effects for Context-Aware Resource Allocation in D2D Communications. IEEE Communications Letters, 2017, 21, 837-840.	4.1	23
48	Energy-Aware Power Control in Energy Cooperation Aided Millimeter Wave Cellular Networks With Renewable Energy Resources. IEEE Access, 2017, 5, 432-442.	4.2	22
49	Resource Allocation in Energy-Cooperation Enabled Two-Tier NOMA HetNets Toward Green 5G. IEEE Journal on Selected Areas in Communications, 2017, 35, 2758-2770.	14.0	92
50	Spectral and Energy Efficiency of Uplink D2D Underlaid Massive MIMO Cellular Networks. IEEE Transactions on Communications, 2017, 65, 3780-3793.	7.8	49
51	Channel quality aware active queue management in cellular networks. , 2017, , .		2
52	Hidden Node Aware Resource Allocation in Licensed-Assisted Access Systems. , 2017, , .		6
53	User Association for Energy Balancing in HetNets with Hybrid Energy Sources. , 2017, , .		3
54	Optimised electric vehicles charging scheme with uncertain user-behaviours in smart grids. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
55	Throughput and Energy Efficiency for S-FFR in Massive MIMO Enabled Heterogeneous C-RAN. , 2016, , .		5
56	Energy-Delay Aware Restricted Access Window with Novel Retransmission for IEEE 802.11ah Networks. , 2016, , .		5
57	Energy-Aware Power Control in Energy-Cooperation Enabled HetNets with Hybrid Energy Supplies. , 2016, , .		4
58	Energy efficiency cooperative scheme for cluster-based capillary networks in Internet of Things systems. , 2016, , .		1
59	A novel power control mechanism based on interference estimation in LTE cellular networks. , 2016, , .		30
60	Two-level game for relay-based throughput enhancement via D2D communications in LTE networks. , 2016, , .		17
61	Uplink Interference Management in Massive MIMO Enabled Heterogeneous Cellular Networks. IEEE Wireless Communications Letters, 2016, 5, 560-563.	5.0	8
62	QPSO-based energy-aware clustering scheme in the capillary networks for Internet of Things systems. , 2016, , .		5
63	User association in massive MIMO and mmWave enabled HetNets powered by renewable energy. , 2016, , .		15
64	Distributed access control framework for IPv6-based hierarchical internet of things. IEEE Wireless Communications, 2016, 23, 17-23.	9.0	6
65	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	39.4	462
66	Energy-aware adaptive restricted access window for IEEE 802.11ah based smart grid networks. , 2015, , .		22
67	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2015, , .		10
68	QoS-Aware Joint Access Control and Duty Cycle Control for Machine-to-Machine Communications. , 2015, , .		5
69	Self-organising cluster-based cooperative load balancing in OFDMA cellular networks. Wireless Communications and Mobile Computing, 2015, 15, 1171-1187.	1.2	86
70	Spectrum and Energy Efficiency in Massive MIMO Enabled HetNets: A Stochastic Geometry Approach. IEEE Communications Letters, 2015, 19, 2294-2297.	4.1	42
71	Spectrum reuse scheme in two-tier HetNets: A stackelberg game approach. , 2015, , .		1
72	Cooperative relay assisted load balancing scheme based on stackelberg game for hybrid GEO-LEO satellite network. , 2015, , .		8

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73	Energy-aware adaptive restricted access window for IEEE 802.11ah based networks. , 2015, , .		7
74	Interference Coordination Oriented User Association Scheme in Cellular Relay Networks. Wireless Personal Communications, 2015, 80, 451-469.	2.7	1
75	Smart duty cycle control with reinforcement learning for machine to machine communications. , 2015, , .		15
76	Two-Dimensional Optimization on User Association and Green Energy Allocation for HetNets With Hybrid Energy Sources. IEEE Transactions on Communications, 2015, 63, 4111-4124.	7.8	66
77	Joint user association and green energy allocation in HetNets with hybrid energy sources. , 2015, , .		8
78	Distributed Energy Efficient Fair User Association in Massive MIMO Enabled HetNets. IEEE Communications Letters, 2015, 19, 1770-1773.	4.1	97
79	Duty cycle control with joint optimisation of delay and energy efficiency for capillary machine-to-machine networks in 5G communication system. Transactions on Emerging Telecommunications Technologies, 2015, 26, 56-69.	3.9	21
80	Self-optimised Coordinated Traffic Shifting Scheme for LTE Cellular Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 67-75.	0.3	23
81	Joint Uplink and Downlink User Association for Energy-Efficient HetNets Using Nash Bargaining Solution. , 2014, , .		20
82	Energy efficient cooperative MISO scheme for cluster-based M2M capillary networks. , 2014, , .		0
83	Optimised delay-energy aware duty cycle control for IEEE 802.15.4 with cumulative acknowledgement. , 2014, , .		0
84	Optimal user association for delay-power tradeoffs in HetNets with hybrid energy sources. , 2014, , .		13
85	Adaptive user association in HetNets with renewable energy powered base stations. , 2014, , .		21
86	Aggregate interference statistical modeling and user outage analysis of heterogeneous cellular networks. , 2014, , .		2
87	Multi-relay selection schemes based on evolutionary algorithm in cooperative relay networks. International Journal of Communication Systems, 2014, 27, 571-591.	2.5	22
88	Distributed delay-energy aware user association in 3-tier HetNets with hybrid energy sources. , 2014, , .		21
89	Energy-Efficient User Association in HetNets: An Evolutionary Game Approach. , 2014, , .		9
90	Low complexity duty cycle control with joint delay and energy efficiency for beacon-enabled IEEE 802.15.4 wireless sensor networks. , 2014, , .		7

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91	Opportunistic User Association for Multi-Service HetNets Using Nash Bargaining Solution. IEEE Communications Letters, 2014, 18, 463-466.	4.1	60
92	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2014, , .		1
93	Stochastic geometry analysis of energy efficiency in HetNets with combined CoMP and BS sleeping. , 2014, , .		16
94	QoS-Aware Joint Access Control and Duty Cycle Control for Machine-to-Machine Communications. , 2014, , .		2
95	The Impact of Rank Attack on Network Topology of Routing Protocol for Low-Power and Lossy Networks. IEEE Sensors Journal, 2013, 13, 3685-3692.	4.7	131
96	Multichannel MAC for energy efficient home area networks. , 2013, , .		0
97	Cooperative mobility load balancing in relay cellular networks. , 2013, , .		40
98	A Small World Network Model for Energy Efficient Wireless Networks. IEEE Communications Letters, 2013, 17, 1928-1931.	4.1	23
99	Stackelberg Game Based Cooperative User Relay Assisted Load Balancing in Cellular Networks. IEEE Communications Letters, 2013, 17, 424-427.	4.1	22
100	User Relay Assisted Traffic Shifting in LTE-Advanced Systems. , 2013, , .		43
101	User-vote assisted self-organizing load balancing for OFDMA cellular systems. , 2011, , .		7
102	LTE-A an overview and future research areas. , 2011, , .		29