

Yue Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10685091/publications.pdf>

Version: 2024-02-01

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	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	39.4	462
2	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
3	Reconfigurable Intelligent Surface Aided NOMA Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 2575-2588.	14.0	215
4	Spectrum Allocation and Power Control for Non-Orthogonal Multiple Access in HetNets. IEEE Transactions on Wireless Communications, 2017, 16, 5825-5837.	9.2	160
5	Adaptive Blockchain-Based Electric Vehicle Participation Scheme in Smart Grid Platform. IEEE Access, 2018, 6, 25657-25665.	4.2	149
6	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
7	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
8	Multiple Antenna Aided NOMA in UAV Networks: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2019, 67, 1031-1044.	7.8	121
9	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
10	Resource Allocation for Multi-Cell IRS-Aided NOMA Networks. IEEE Transactions on Wireless Communications, 2021, 20, 4253-4268.	9.2	107
11	Modeling and Analysis of Two-Way Relay Non-Orthogonal Multiple Access Systems. IEEE Transactions on Communications, 2018, 66, 3784-3796.	7.8	106
12	Distributed Energy Efficient Fair User Association in Massive MIMO Enabled HetNets. IEEE Communications Letters, 2015, 19, 1770-1773.	4.1	97
13	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
14	A Unified Framework for Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2018, 66, 5346-5359.	7.8	87
15	Self-organising cluster-based cooperative load balancing in OFDMA cellular networks. Wireless Communications and Mobile Computing, 2015, 15, 1171-1187.	1.2	86
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	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
18	Cache-Aided NOMA Mobile Edge Computing: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 6899-6915.	9.2	65

#	ARTICLE	IF	CITATIONS
19	Opportunistic User Association for Multi-Service HetNets Using Nash Bargaining Solution. IEEE Communications Letters, 2014, 18, 463-466.	4.1	60
20	Exploiting NOMA for UAV Communications in Large-Scale Cellular Networks. IEEE Transactions on Communications, 2019, 67, 6897-6911.	7.8	55
21	Spectral and Energy Efficiency of Uplink D2D Underlaid Massive MIMO Cellular Networks. IEEE Transactions on Communications, 2017, 65, 3780-3793.	7.8	49
22	User Relay Assisted Traffic Shifting in LTE-Advanced Systems. , 2013, , .		43
23	Spectrum and Energy Efficiency in Massive MIMO Enabled HetNets: A Stochastic Geometry Approach. IEEE Communications Letters, 2015, 19, 2294-2297.	4.1	42
24	Cooperative mobility load balancing in relay cellular networks. , 2013, , .		40
25	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
26	Artificial Intelligence Aided Next-Generation Networks Relying on UAVs. IEEE Wireless Communications, 2021, 28, 120-127.	9.0	39
27	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
28	A novel power control mechanism based on interference estimation in LTE cellular networks. , 2016, , .		30
29	LTE-A an overview and future research areas. , 2011, , .		29
30	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. IEEE Wireless Communications, 2021, 28, 66-73.	9.0	28
31	Multi-Agent Reinforcement Learning in NOMA-Aided UAV Networks for Cellular Offloading. IEEE Transactions on Wireless Communications, 2022, 21, 1498-1512.	9.2	25
32	A survey on blockchain-enabled smart grids: Advances, applications and challenges. IET Smart Cities, 2021, 3, 56-78.	3.1	25
33	A Small World Network Model for Energy Efficient Wireless Networks. IEEE Communications Letters, 2013, 17, 1928-1931.	4.1	23
34	Matching With Peer Effects for Context-Aware Resource Allocation in D2D Communications. IEEE Communications Letters, 2017, 21, 837-840.	4.1	23
35	Deep Reinforcement Learning in Cache-Aided MEC Networks. , 2019, , .		23
36	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

#	ARTICLE	IF	CITATIONS
37	Stackelberg Game Based Cooperative User Relay Assisted Load Balancing in Cellular Networks. IEEE Communications Letters, 2013, 17, 424-427.	4.1	22
38	Multi-relay selection schemes based on evolutionary algorithm in cooperative relay networks. International Journal of Communication Systems, 2014, 27, 571-591.	2.5	22
39	Energy-aware adaptive restricted access window for IEEE 802.11ah based smart grid networks. , 2015, , .		22
40	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
41	Adaptive user association in HetNets with renewable energy powered base stations. , 2014, , .		21
42	Distributed delay-energy aware user association in 3-tier HetNets with hybrid energy sources. , 2014, , .		21
43	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
44	Joint Uplink and Downlink User Association for Energy-Efficient HetNets Using Nash Bargaining Solution. , 2014, , .		20
45	Energy-Efficient Mobile-Edge Computation Offloading for Applications with Shared Data. , 2018, , .		20
46	Ultra-dense LoRaWAN: Reviews and challenges. IET Communications, 2020, 14, 1361-1371.	2.2	19
47	Two-level game for relay-based throughput enhancement via D2D communications in LTE networks. , 2016, , .		17
48	Energy-aware Restricted Access Window control with retransmission scheme for IEEE 802.11ah (Wi-Fi) Tj ETQq0 0 0 rgBT /Overlock 10 T		17
49	Stochastic geometry analysis of energy efficiency in HetNets with combined CoMP and BS sleeping. , 2014, , .		16
50	Deployment and Movement for Multiple Aerial Base Stations by Reinforcement Learning. , 2018, , .		16
51	Delay-Aware Energy Efficient Computation Offloading for Energy Harvesting Enabled Fog Radio Access Networks. , 2018, , .		16
52	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
53	Smart duty cycle control with reinforcement learning for machine to machine communications. , 2015, , .		15
54	User association in massive MIMO and mmWave enabled HetNets powered by renewable energy. , 2016, , .		15

#	ARTICLE	IF	CITATIONS
55	NOMA-Enhanced Terrestrial and Aerial IoT Networks With Partial CSI. IEEE Internet of Things Journal, 2020, 7, 3254-3266.	8.7	15
56	Optimal user association for delay-power tradeoffs in HetNets with hybrid energy sources. , 2014, , .		13
57	Efficient Economic and Resilience-Based Optimization for Disaster Recovery Management of Critical Infrastructures. Energies, 2018, 11, 3418.	3.1	13
58	Joint mode selection and resource allocation for machine-type D2D links. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3000.	3.9	12
59	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2015, , .		10
60	Use of Unsupervised Learning Clustering Algorithm to Reduce Collisions and Delay within LoRa System for Dense Applications. , 2019, , .		10
61	Energy-Efficient User Association in HetNets: An Evolutionary Game Approach. , 2014, , .		9
62	Enhanced Proof-of-Benefit: A Secure Blockchain-Enabled EV Charging System. , 2019, , .		9
63	Cooperative relay assisted load balancing scheme based on stackelberg game for hybrid GEO-LEO satellite network. , 2015, , .		8
64	Joint user association and green energy allocation in HetNets with hybrid energy sources. , 2015, , .		8
65	Uplink Interference Management in Massive MIMO Enabled Heterogeneous Cellular Networks. IEEE Wireless Communications Letters, 2016, 5, 560-563.	5.0	8
66	Adaptive Reinforcement Learning Framework for NOMA-UAV Networks. IEEE Communications Letters, 2021, 25, 2943-2947.	4.1	8
67	User-vote assisted self-organizing load balancing for OFDMA cellular systems. , 2011, , .		7
68	Low complexity duty cycle control with joint delay and energy efficiency for beacon-enabled IEEE 802.15.4 wireless sensor networks. , 2014, , .		7
69	Energy-aware adaptive restricted access window for IEEE 802.11ah based networks. , 2015, , .		7
70	Optimised electric vehicles charging scheme with uncertain user-behaviours in smart grids. , 2017, , .		7
71	Energy Efficiency Analysis of Cache-Enabled Cellular Networks with Limited Backhaul. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	7
72	Distributed access control framework for IPv6-based hierarchical internet of things. IEEE Wireless Communications, 2016, 23, 17-23.	9.0	6

#	ARTICLE	IF	CITATIONS
73	Hidden Node Aware Resource Allocation in Licensed-Assisted Access Systems. , 2017, , .		6
74	Outage Performance of a Unified Non-Orthogonal Multiple Access Framework. , 2018, , .		6
75	QoS-Aware Joint Access Control and Duty Cycle Control for Machine-to-Machine Communications. , 2015, , .		5
76	Throughput and Energy Efficiency for S-FFR in Massive MIMO Enabled Heterogeneous C-RAN. , 2016, , .		5
77	Energy-Delay Aware Restricted Access Window with Novel Retransmission for IEEE 802.11ah Networks. , 2016, , .		5
78	QPSO-based energy-aware clustering scheme in the capillary networks for Internet of Things systems. , 2016, , .		5
79	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
80	Integrated 3C in NOMA-Enabled Remote-E-Health Systems. IEEE Wireless Communications, 2021, 28, 62-68.	9.0	5
81	Deep Learning for Latent Events Forecasting in Content Caching Networks. IEEE Transactions on Wireless Communications, 2022, 21, 413-428.	9.2	5
82	Energy-Aware Power Control in Energy-Cooperation Enabled HetNets with Hybrid Energy Supplies. , 2016, , .		4
83	SE and EE of Uplink D2D Underlaid Massive MIMO Cellular Networks with Power Control. , 2017, , .		4
84	User Association for Energy Balancing in HetNets with Hybrid Energy Sources. , 2017, , .		3
85	Massive NOMA Enhanced IoT Networks with Partial CSI. , 2020, , .		3
86	Aggregate interference statistical modeling and user outage analysis of heterogeneous cellular networks. , 2014, , .		2
87	QoS-Aware Joint Access Control and Duty Cycle Control for Machine-to-Machine Communications. , 2014, , .		2
88	Optimal Base Station Density in Cellular Networks with Self-Similar Traffic Characteristics. , 2017, , .		2
89	Energy-Aware User Association in Energy-Cooperation Enabled HetNets. , 2017, , .		2
90	Channel quality aware active queue management in cellular networks. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
91	Resource allocation in cache-enabled energy-cooperative HetNets. , 2018, , .		2
92	Intelligent Reflecting Surface Aided Multi-Cell NOMA Networks. , 2020, , .		2
93	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2014, , .		1
94	Spectrum reuse scheme in two-tier HetNets: A stackelberg game approach. , 2015, , .		1
95	Interference Coordination Oriented User Association Scheme in Cellular Relay Networks. Wireless Personal Communications, 2015, 80, 451-469.	2.7	1
96	Energy efficiency cooperative scheme for cluster-based capillary networks in Internet of Things systems. , 2016, , .		1
97	Backhaul Aware Energy Efficiency Analysis of Cache-Enabled Cellular Networks (Invited Paper). , 2018, , .		1
98	Non-Orthogonal Multiple Access in Air-to-Everything (A2X) Networks. , 2019, , .		1
99	Performance Analysis for Large Intelligent Surfaces enabled MIMO Networks. , 2020, , .		1
100	Multichannel MAC for energy efficient home area networks. , 2013, , .		0
101	Energy efficient cooperative MISO scheme for cluster-based M2M capillary networks. , 2014, , .		0
102	Optimised delay-energy aware duty cycle control for IEEE 802.15.4 with cumulative acknowledgement. , 2014, , .		0