Yao Sun

List of Publications by Year in descending order

36 papers	**867** citations

759233

12 h-index	

642732

23 g-index

| **39** all docs | **39** docs citations | **39** times ranked | **780** citing authors |

#	Article	IF	Citations
1	A Unified Framework for Joint Sensing and Communication in Resource Constrained Mobile Edge Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5643-5656.	5.8	1
2	Blockchain-Empowered Federated Learning Approach for an Intelligent and Reliable D2D Caching Scheme. IEEE Internet of Things Journal, 2022, 9, 7879-7890.	8.7	12
3	Proactive Content Caching Based on Actor–Critic Reinforcement Learning for Mobile Edge Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1239-1252.	7.9	8
4	Hybrid Model-Data Driven Network Slice Reconfiguration by Exploiting Prediction Interval and Robust Optimization. IEEE Transactions on Network and Service Management, 2022, 19, 1426-1441.	4.9	7
5	Access Control for Ambient Backscatter Enhanced Wireless Internet of Things. IEEE Transactions on Wireless Communications, 2022, 21, 5614-5628.	9.2	9
6	An Ultra-Reliable Low-Latency Non-Binary Polar Coded SCMA Scheme. IEEE Transactions on Vehicular Technology, 2022, 71, 6518-6533.	6.3	3
7	A Low-Complexity Detector for Uplink SCMA by Exploiting Dynamical Superior User Removal Algorithm. Electronics (Switzerland), 2022, 11, 1020.	3.1	7
8	Resource Consumption for Supporting Federated Learning in Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9974-9989.	9.2	7
9	Wireless Resource Management in Intelligent Semantic Communication Networks. , 2022, , .		14
10	Joint Computation Offloading and Resource Allocation for D2D-Assisted Mobile Edge Computing. IEEE Transactions on Services Computing, 2022, , 1-14.	4.6	33
11	Resource Consumption for Supporting Federated Learning Enabled Network Edge Intelligence. , 2022, , .		1
12	Metaverse Native Communication: A Blockchain and Spectrum Prospective. , 2022, , .		28
13	Service Provisioning Framework for RAN Slicing: User Admissibility, Slice Association and Bandwidth Allocation. IEEE Transactions on Mobile Computing, 2021, 20, 3409-3422.	5.8	40
14	User-Centric Association in Ultra-Dense mmWave Networks via Deep Reinforcement Learning. IEEE Communications Letters, 2021, 25, 3594-3598.	4.1	15
15	Deep Learning Enabled Beam Tracking for Non-Line of Sight Millimeter Wave Communications. IEEE Open Journal of the Communications Society, 2021, 2, 1710-1720.	6.9	7
16	Self-healing of Radio Access Network Slices. , 2021, , .		0
17	Access Control for RAN Slicing based on Federated Deep Reinforcement Learning. , 2021, , .		7
18	A Resoure Allocation Framework for Network Slicing with Multi-service Coexistence. , 2021, , .		1

#	Article	IF	Citations
19	Power-Spectrum Trading for Full-Duplex D2D Communications in Cellular Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 2016-2026.	5.5	5
20	Research on PDMA system based on complementary sequence and low complexity detection algorithm. IET Communications, 2021, 15, 2586-2596.	2.2	0
21	A Network Function Parallelism-enabled MEC Framework for Supporting Low-Latency Services. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	4
22	A Privacy-preserved D2D Caching Scheme Underpinned by Blockchain-enabled Federated Learning. , 2021, , .		1
23	Dynamic Service Migration with Partially Observable Information in Mobile Edge Computing. , 2021, , .		1
24	Beam Management in Ultra-dense Millimeter Wave Network via Federated Learning. , 2021, , .		1
25	Network slice selection in softwarizationâ€based mobile networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3617.	3.9	23
26	Decentralized Learning Based Indoor Interference Mitigation for 5G-and-Beyond Systems. IEEE Transactions on Vehicular Technology, 2020, , 1-1.	6.3	23
27	Efficient Handover Mechanism for Radio Access Network Slicing by Exploiting Distributed Learning. IEEE Transactions on Network and Service Management, 2020, 17, 2620-2633.	4.9	44
28	Network Slice Reconfiguration by Exploiting Deep Reinforcement Learning With Large Action Space. IEEE Transactions on Network and Service Management, 2020, 17, 2197-2211.	4.9	58
29	Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 15731-15745.	6.3	58
30	Proactive Network Slice Reconfiguration by Exploiting Prediction Interval and Robust Optimization. , 2020, , .		3
31	User Access Control and Bandwidth Allocation for Slice-Based 5G-and-Beyond Radio Access Networks. , 2019, , .		15
32	Intelligent Resource Scheduling for 5G Radio Access Network Slicing. IEEE Transactions on Vehicular Technology, 2019, 68, 7691-7703.	6.3	132
33	Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication Node Deployment. IEEE Internet of Things Journal, 2019, 6, 5791-5802.	8.7	182
34	The SMART Handoff Policy for Millimeter Wave Heterogeneous Cellular Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1456-1468.	5.8	78
35	Cell Association With User Behavior Awareness in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4589-4601.	6.3	31
36	Uplink grantâ€free pattern division multiple access transmission scheme by exploiting poly complementary sequence. Transactions on Emerging Telecommunications Technologies, 0, , .	3.9	0