Yong Zhou

List of Publications by Year
in descending order

64 papers	1,105 citations	623574 14 h-index	501076 28 g-index
64 all docs	64 docs citations	64 times ranked	920 citing authors

#	Article	IF	Citations
1	Algorithm Unrolling for Massive Access via Deep Neural Networks With Theoretical Guarantee. IEEE Transactions on Wireless Communications, 2022, 21, 945-959.	6.1	13
2	Federated Learning via Intelligent Reflecting Surface. IEEE Transactions on Wireless Communications, 2022, 21, 808-822.	6.1	78
3	Client Selection for Federated Learning With Label Noise. IEEE Transactions on Vehicular Technology, 2022, 71, 2193-2197.	3.9	16
4	UAV Aided Over-the-Air Computation. IEEE Transactions on Wireless Communications, 2022, 21, 4909-4924.	6.1	14
5	GAN and Multi-Agent DRL Based Decentralized Traffic Light Signal Control. IEEE Transactions on Vehicular Technology, 2022, 71, 1333-1348.	3.9	12
6	Reconfigurable Intelligent Surface Assisted Massive MIMO With Antenna Selection. IEEE Transactions on Wireless Communications, 2022, 21, 4769-4783.	6.1	12
7	Decentralized Multi-Agent Power Control in Wireless Networks With Frequency Reuse. IEEE Transactions on Communications, 2022, 70, 1666-1681.	4.9	6
8	Performance Analysis of Opportunistic Beam Splitting NOMA in Millimeter Wave Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 3030-3043.	3.9	5
9	Joint Control of Power, Beamwidth, and Spacing for Platoon-Based Vehicular Cyber-Physical Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 8615-8629.	3.9	2
10	Gan-Based Joint Activity Detection and Channel Estimation for Grant-Free Random Access. , 2022, , .		0
11	Interference Management for Over-the-Air Federated Learning in Multi-Cell Wireless Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 2361-2377.	9.7	26
12	Over-the-Air Federated Learning via Second-Order Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 10560-10575.	6.1	7
13	Client Selection for Asynchronous Federated Learning with Fairness Consideration. , 2022, , .		8
14	RIS-Assisted Over-the-Air Federated Learning in Millimeter Wave MIMO Networks. Journal of Communications and Information Networks, 2022, 7, 145-156.	3.5	1
15	Intelligent Traffic Network Control in the Era of Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9787-9802.	3.9	11
16	Joint Traffic Signal and Connected Vehicle Control in IoV via Deep Reinforcement Learning. , 2021, , .		4
17	Robust Design for Reconfigurable Intelligent Surface Assisted Over-the-Air Computation. , 2021, , .		3
18	Energy-Efficient Task Offloading in Massive MIMO-Aided Multi-Pair Fog-Computing Networks. IEEE Transactions on Communications, 2021, 69, 2123-2137.	4.9	14

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19	Aggregate Preamble Sequence Design and Detection for Massive IoT With Deep Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3800-3816.	3.9	8
20	Downlink Channel Tracking for Intelligent Reflecting Surface-Aided FDD MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 3341-3353.	3.9	16
21	Large-Scale Beamforming for Massive MIMO <?brk?>via Randomized Sketching. IEEE Transactions on Vehicular Technology, 2021, 70, 4669-4681.	3.9	2
22	Reconfigurable Intelligent Surface Empowered Downlink Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2021, 69, 3802-3817.	4.9	84
23	Reconfigurable Intelligent Surface for Green Edge Inference. IEEE Transactions on Green Communications and Networking, 2021, 5, 964-979.	3.5	36
24	Over-the-Air Computation via Cloud Radio Access Networks. , 2021, , .		1
25	Byzantine-Resilient Federated Machine Learning via Over-the-Air Computation. , 2021, , .		8
26	Fast Convergence Algorithm for Analog Federated Learning. , 2021, , .		15
27	Reconfigurable Intelligent Surface for Interference Alignment in MIMO Device-to-Device Networks. , 2021, , .		12
28	Reconfigurable Intelligent Surface Assisted Federated Learning with Privacy Guarantee. , 2021, , .		2
29	Joint Admission Control and Beamforming for Intelligent Reflecting Surface Aided Wireless Networks. , 2021, , .		3
30	Over-the-Air Decentralized Federated Learning. , 2021, , .		22
31	Optimizing Information Freshness for Cooperative IoT Systems With Stochastic Arrivals. IEEE Internet of Things Journal, 2021, 8, 14485-14500.	5.5	15
32	Sparse Signal Processing for Massive Connectivity via Mixed-Integer Programming. , 2021, , .		0
33	Optimal Configuration of Intelligent Walls for Interference Management in Smart Buildings. , 2021, , .		0
34	Optimal Receive Beamforming for Over-the-Air Computation. , 2021, , .		2
35	Communication-Efficient Quantized SGD for Learning Polynomial Neural Network. , 2021, , .		1
36	Interference Management for Over-the-Air Computation and Cellular Coexistence Systems. , 2021, , .		0

#	Article	IF	Citations
37	Learning Proximal Operator Methods for Massive Connectivity in IoT Networks. , 2021, , .		2
38	Multi-Tier Task Offloading with Intelligent Reflecting Surface and Massive MIMO Relay. , 2021, , .		1
39	Double-RIS Assisted Over-the-Air Computation. , 2021, , .		2
40	Capacity Region of Intelligent Reflecting Surface Aided Wireless Networks via Active Learning. , 2021, , .		1
41	Towards Reconfigurable Intelligent Surfaces Powered Green Wireless Networks. , 2020, , .		21
42	Sparse Signal Processing for Massive Device Connectivity via Deep Learning. , 2020, , .		9
43	Wirelessly Powered Data Aggregation via Intelligent Reflecting Surface Assisted Over-the-Air Computation. , 2020, , .		3
44	Reconfigurable Intelligent Surface Assisted Non-Orthogonal Unicast and Broadcast Transmission. , 2020, , .		4
45	Energy and Spectral Efficiency Tradeoff via Rate Splitting and Common Beamforming Coordination in Multicell Networks. IEEE Transactions on Communications, 2020, 68, 7719-7731.	4.9	23
46	A Joint Angle and Distance based User Pairing Strategy for Millimeter Wave NOMA Networks. , 2020, , .		7
47	Outage Minimization for Intelligent Reflecting Surface Aided MISO Communication Systems via Stochastic Beamforming. , 2020, , .		5
48	Age of Information for Multicast Transmission With Fixed and Random Deadlines in IoT Systems. IEEE Internet of Things Journal, 2020, 7, 8178-8191.	5.5	38
49	Online Task Scheduling and Resource Allocation for Intelligent NOMA-Based Industrial Internet of Things. IEEE Journal on Selected Areas in Communications, 2020, 38, 803-815.	9.7	57
50	Reconfigurable Intelligent Surface Enhanced Cognitive Radio Networks. , 2020, , .		15
51	Stochastic Beamforming for Reconfigurable Intelligent Surface Aided Over-the-Air Computation. , 2020, , .		7
52	Age of Aggregated Information: Timely Status Update with Over-The-Air Computation. , 2020, , .		4
53	Age-Oriented Opportunistic Relaying in Cooperative Status Update Systems with Stochastic Arrivals. , 2020, , .		6
54	Noisy Demixing: Convex Relaxation Meets Nonconvex Optimization. , 2020, , .		0

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55	Multigroup Multicast Transmission via Intelligent Reflecting Surface. , 2020, , .		2
56	Connection Density Maximization of Narrowband IoT Systems With NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 4708-4722.	6.1	52
57	Flexible Functional Split Design for Downlink C-RAN With Capacity-Constrained Fronthaul. IEEE Transactions on Vehicular Technology, 2019, 68, 6050-6063.	3.9	19
58	Timely Status Update in Internet of Things Monitoring Systems: An Age-Energy Tradeoff. IEEE Internet of Things Journal, 2019, 6, 5324-5335.	5.5	132
59	Task Offloading in NOMA-Based Fog Computing Networks: A Deep Q-Learning Approach. , 2019, , .		6
60	Intelligent Reflecting Surface for Downlink Non-Orthogonal Multiple Access Networks. , 2019, , .		127
61	Dynamic Decode-and-Forward Based Cooperative NOMA With Spatially Random Users. IEEE Transactions on Wireless Communications, 2018, 17, 3340-3356.	6.1	54
62	Max-Min Resource Allocation for Video Transmission in NOMA-Based Cognitive Wireless Networks. IEEE Transactions on Communications, 2018, 66, 5804-5813.	4.9	35
63	Opportunistic cooperation in wireless ad hoc networks with interference correlation. Peer-to-Peer Networking and Applications, 2017, 10, 238-252.	2.6	6
64	Beneficial cooperation ratio in multi-hop wireless ad hoc networks. , 2013, , .		8