

Mingzhe Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

3,641
citations

23
h-index

60
g-index

98
ext. papers

5,256
ext. citations

8.6
avg, IF

6.83
L-index

#	Paper	IF	Citations
78	Distributed Reinforcement Learning for Age of Information Minimization in Real-Time IoT Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022 , 1-1	7.5	6
77	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networks Part II. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 40, 445-448	14.2	
76	Joint Content Caching, Recommendation, and Transmission Optimization for Next Generation Multiple Access Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	4
75	Federated Learning for 6G: Applications, Challenges, and Opportunities. <i>Engineering</i> , 2022 , 8, 33-41	9.7	21
74	Meta-Reinforcement Learning for Reliable Communication in THz/VLC Wireless VR Networks. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	2
73	Incentive Mechanisms for Federated Learning. <i>Wireless Networks</i> , 2021 , 71-128	0.6	0
72	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. <i>IEEE Wireless Communications</i> , 2021 , 28, 66-73	13.4	12
71	Vehicular Networks and Autonomous Driving Cars. <i>Wireless Networks</i> , 2021 , 179-220	0.6	
70	Wireless Virtual Reality. <i>Wireless Networks</i> , 2021 , 155-178	0.6	
69	Smart Industries and Intelligent Reflecting Surfaces. <i>Wireless Networks</i> , 2021 , 221-239	0.6	1
68	Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3579-3605	14.2	48
67	Wireless Network Optimization for Federated Learning with Model Compression in Hybrid VLC/RF Systems. <i>Entropy</i> , 2021 , 23,	2.8	4
66	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1935-1949	9.6	121
65	Optimization of User Selection and Bandwidth Allocation for Federated Learning in VLC/RF Systems 2021 ,		4
64	Communication-efficient federated learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	35
63	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2457-2471	9.6	65
62	Meta-Reinforcement Learning for Immersive Virtual Reality over THz/VLC Wireless Networks 2021 ,		1

61	Joint Location, Bandwidth and Power Optimization for THz-Enabled UAV Communications. <i>IEEE Communications Letters</i> , 2021 , 25, 1984-1988	3.8	11
60	Learning to Decode Protograph LDPC Codes. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 1983-1999	14.2	6
59	A Joint Learning and Communications Framework for Federated Learning Over Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 269-283	9.6	255
58	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 1358-1372	10.7	19
57	. <i>IEEE Wireless Communications</i> , 2021 , 28, 120-127	13.4	19
56	UVeQFed: Universal Vector Quantization for Federated Learning. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 500-514	4.8	35
55	Computer Vision-based Localization with Visible Light Communications. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
54	Joint LED Selection and Precoding Optimization for Multiple-User Multiple-Cell VLC Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
53	Federated Learning in 6G Mobile Wireless Networks. <i>Computer Communications and Networks</i> , 2021 , 359-378	0.5	
52	Federated Learning over Energy Harvesting Wireless Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	5
51	Joint User Grouping, Version Selection and Bandwidth Allocation for Live Video Multicasting. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	
50	Energy-Efficient Wireless Communications with Distributed Reconfigurable Intelligent Surfaces. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	32
49	Distributed and Democratized Learning: Philosophy and Research Challenges. <i>IEEE Computational Intelligence Magazine</i> , 2021 , 16, 49-62	5.6	3
48	Optimization of Rate Allocation and Power Control for Rate Splitting Multiple Access (RSMA). <i>IEEE Transactions on Communications</i> , 2021 , 69, 5988-6002	6.9	14
47	. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3177-3192	14.2	21
46	Federated Learning for Task and Resource Allocation in Wireless High Altitude Balloon Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	16
45	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge NetworksPart I. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3575-3578	14.2	0
44	Federated Learning for Collaborative Controller Design of Connected and Autonomous Vehicles 2021 ,		2

43	Federated Learning with Quantization Constraints 2020 ,		21
42	Joint Access and Backhaul Resource Management in Satellite-Drone Networks: A Competitive Market Approach. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3908-3923	9.6	26
41	Trajectory Design for Energy Harvesting UAV Networks: A Foraging Approach 2020 ,		3
40	Reflecting the Light: Energy Efficient Visible Light Communication with Reconfigurable Intelligent Surface 2020 ,		4
39	Energy Efficient Full-Duplex Communication Systems with Reconfigurable Intelligent Surface 2020 ,		3
38	Wireless Communications for Collaborative Federated Learning. <i>IEEE Communications Magazine</i> , 2020 , 58, 48-54	9.1	33
37	Meta-Reinforcement Learning for Trajectory Design in Wireless UAV Networks 2020 ,		5
36	Federated Echo State Learning for Minimizing Breaks in Presence in Wireless Virtual Reality Networks. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 177-191	9.6	43
35	Deep Learning for Optimal Deployment of UAVs With Visible Light Communications. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7049-7063	9.6	21
34	Performance Optimization of Federated Learning over Mobile Wireless Networks 2020 ,		1
33	Federated Learning for Energy-Efficient Task Computing in Wireless Networks 2020 ,		11
32	Convergence Time Minimization of Federated Learning over Wireless Networks 2020 ,		23
31	Energy Efficient Rate Splitting Multiple Access (RSMA) with Reconfigurable Intelligent Surface 2020 ,		22
30	Federated Learning in the Sky: Joint Power Allocation and Scheduling with UAV Swarms 2020 ,		42
29	Optimization of Resource Allocation in Multi-Cell OFDM Systems: A Distributed Reinforcement Learning Approach 2020 ,		2
28	A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems. <i>IEEE Network</i> , 2020 , 34, 134-142	11.4	970
27	Echo-Liquid State Deep Learning for 360° Content Transmission and Caching in Wireless VR Networks With Cellular-Connected UAVs. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6386-6400	6.9	48
26	Liquid State Machine Learning for Resource and Cache Management in LTE-U Unmanned Aerial Vehicle (UAV) Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1504-1517	9.6	104

25	Power Efficient Visible Light Communication With Unmanned Aerial Vehicles. <i>IEEE Communications Letters</i> , 2019 , 23, 1272-1275	3.8	18
24	Data Correlation-Aware Resource Management in Wireless Virtual Reality (VR): An Echo State Transfer Learning Approach. <i>IEEE Transactions on Communications</i> , 2019 , 67, 4267-4280	6.9	36
23	Competitive Market for Joint Access and Backhaul Resource Allocation in Satellite-Drone Networks 2019 ,		6
22	2019 ,		4
21	. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 3039-3071	37.1	366
20	Machine Learning for Wireless Connectivity and Security of Cellular-Connected UAVs. <i>IEEE Wireless Communications</i> , 2019 , 26, 28-35	13.4	105
19	Performance Optimization of Federated Learning over Wireless Networks 2019 ,		37
18	Task and Resource Allocation in Mobile Edge Computing: An Improved Reinforcement Learning Approach 2019 ,		6
17	Gated Recurrent Units Learning for Optimal Deployment of Visible Light Communications Enabled UAVs 2019 ,		2
16	Sum-Rate Maximization of Uplink Rate Splitting Multiple Access (RSMA) Communication 2019 ,		11
15	Virtual Reality Over Wireless Networks: Quality-of-Service Model and Learning-Based Resource Management. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5621-5635	6.9	97
14	Echo State Learning for Wireless Virtual Reality Resource Allocation in UAV-Enabled LTE-U Networks 2018 ,		15
13	Optimized Trajectory Design in UAV Based Cellular Networks: A Double Q-Learning Approach 2018 ,		9
12	Analysis of Memory Capacity for Deep Echo State Networks 2018 ,		3
11	Caching in the Sky: Proactive Deployment of Cache-Enabled Unmanned Aerial Vehicles for Optimized Quality-of-Experience. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 1046-1061 ^{14.2}		483
10	Echo State Networks for Proactive Caching in Cloud-Based Radio Access Networks With Mobile Users. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3520-3535	9.6	120
9	Reinforcement learning based resource allocation in cache-enabled small cell networks with mobile users 2017 ,		7
8	Echo State Networks for Self-Organizing Resource Allocation in LTE-U With UplinkDownlink Decoupling. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3-16	9.6	85

7	Liquid State Machine Learning for Resource Allocation in a Network of Cache-Enabled LTE-U UAVs 2017,	32
6	Resource Management for Wireless Virtual Reality: Machine Learning Meets Multi-Attribute Utility 2017,	14
5	Echo state transfer learning for data correlation aware resource allocation in wireless virtual reality 2017,	4
4	Tri-Sectoring and Power Allocation of Macro Base Stations in Heterogeneous Cellular Networks with Matern Hard-Core Processes 2016,	3
3	Echo State Networks for Proactive Caching and Content Prediction in Cloud Radio Access Networks 2016,	6
2	Optimized uplink-downlink decoupling in LTE-U networks: An echo state approach 2016,	13
1	Resource Optimization for Wireless Federated Learning	1