Mingzhe Chen

List of Publications by Citations

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	A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems. *IEEE Network*, **2020**, 34, 134-142	11.4	970
77	Caching in the Sky: Proactive Deployment of Cache-Enabled Unmanned Aerial Vehicles for Optimized Quality-of-Experience. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1046-1061	14.2	483
76	. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 3039-3071	37.1	366
75	A Joint Learning and Communications Framework for Federated Learning Over Wireless Networks. *IEEE Transactions on Wireless Communications*, **2021**, 20, 269-283	9.6	255
74	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1935-1949	9.6	121
73	Echo State Networks for Proactive Caching in Cloud-Based Radio Access Networks With Mobile Users. *IEEE Transactions on Wireless Communications*, **2017**, 16, 3520-3535	9.6	120
72	Machine Learning for Wireless Connectivity and Security of Cellular-Connected UAVs. *IEEE Wireless Communications*, **2019**, 26, 28-35	13.4	105
71	Liquid State Machine Learning for Resource and Cache Management in LTE-U Unmanned Aerial Vehicle (UAV) Networks. *IEEE Transactions on Wireless Communications*, **2019**, 18, 1504-1517	9.6	104
70	Virtual Reality Over Wireless Networks: Quality-of-Service Model and Learning-Based Resource Management. *IEEE Transactions on Communications*, **2018**, 66, 5621-5635	6.9	97
69	Echo State Networks for Self-Organizing Resource Allocation in LTE-U With Uplink-Downlink Decoupling. *IEEE Transactions on Wireless Communications*, **2017**, 16, 3-16	9.6	85
68	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 2457-2471	9.6	65
67	Echo-Liquid State Deep Learning for 360° Content Transmission and Caching in Wireless VR Networks With Cellular-Connected UAVs. *IEEE Transactions on Communications*, **2019**, 67, 6386-6400	6.9	48
66	Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 3579-3605	14.2	48
65	Federated Echo State Learning for Minimizing Breaks in Presence in Wireless Virtual Reality Networks. *IEEE Transactions on Wireless Communications*, **2020**, 19, 177-191	9.6	43
64	Federated Learning in the Sky: Joint Power Allocation and Scheduling with UAV Swarms **2020**,		42
63	Performance Optimization of Federated Learning over Wireless Networks **2019**,		37
62	Data Correlation-Aware Resource Management in Wireless Virtual Reality (VR): An Echo State Transfer Learning Approach. *IEEE Transactions on Communications*, **2019**, 67, 4267-4280	6.9	36

43	Optimization of Rate Allocation and Power Control for Rate Splitting Multiple Access (RSMA). *IEEE Transactions on Communications*, **2021**, 69, 5988-6002	6.9	14
42	Optimized uplink-downlink decoupling in LTE-U networks: An echo state approach **2016**,		13
41	AI-Driven UAV-NOMA-MEC in Next Generation Wireless Networks. *IEEE Wireless Communications*, **2021**, 28, 66-73	13.4	12
40	Federated Learning for Energy-Efficient Task Computing in Wireless Networks **2020**,		11
39	Joint Location, Bandwidth and Power Optimization for THz-Enabled UAV Communications. *IEEE Communications Letters*, **2021**, 25, 1984-1988	3.8	11
38	Sum-Rate Maximization of Uplink Rate Splitting Multiple Access (RSMA) Communication **2019**,		11
37	Optimized Trajectory Design in UAV Based Cellular Networks: A Double Q-Learning Approach **2018**,		9
36	Reinforcement learning based resource allocation in cache-enabled small cell networks with mobile users **2017**,		7
35	Competitive Market for Joint Access and Backhaul Resource Allocation in Satellite-Drone Networks **2019**,		6
34	Distributed Reinforcement Learning for Age of Information Minimization in Real-Time IoT Systems. *IEEE Journal on Selected Topics in Signal Processing*, **2022**, 1-1	7.5	6
33	Learning to Decode Protograph LDPC Codes. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1983-1999	14.2	6
32	Echo State Networks for Proactive Caching and Content Prediction in Cloud Radio Access Networks **2016**,		6
31	Task and Resource Allocation in Mobile Edge Computing: An Improved Reinforcement Learning Approach **2019**,		6
30	Meta-Reinforcement Learning for Trajectory Design in Wireless UAV Networks **2020**,		5
29	Federated Learning over Energy Harvesting Wireless Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	5
28	**2019**,		4
27	Echo state transfer learning for data correlation aware resource allocation in wireless virtual reality **2017**,		4
26	Reflecting the Light: Energy Efficient Visible Light Communication with Reconfigurable Intelligent Surface **2020**,		4

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25	Joint Content Caching, Recommendation, and Transmission Optimization for Next Generation Multiple Access Networks. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	4
24	Wireless Network Optimization for Federated Learning with Model Compression in Hybrid VLC/RF Systems. *Entropy*, **2021**, 23,	2.8	4
23	Optimization of User Selection and Bandwidth Allocation for Federated Learning in VLC/RF Systems **2021**,		4
22	Trajectory Design for Energy Harvesting UAV Networks: A Foraging Approach **2020**,		3
21	Tri-Sectoring and Power Allocation of Macro Base Stations in Heterogeneous Cellular Networks with Matern Hard-Core Processes **2016**,		3
20	Energy Efficient Full-Duplex Communication Systems with Reconfigurable Intelligent Surface **2020**,		3
19	Computer Vision-based Localization with Visible Light Communications. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	3
18	Distributed and Democratized Learning: Philosophy and Research Challenges. *IEEE Computational Intelligence Magazine*, **2021**, 16, 49-62	5.6	3
17	Analysis of Memory Capacity for Deep Echo State Networks **2018**,		3
16	Optimization of Resource Allocation in Multi-Cell OFDM Systems: A Distributed Reinforcement Learning Approach **2020**,		2
15	Gated Recurrent Units Learning for Optimal Deployment of Visible Light Communications Enabled UAVs **2019**,		2
14	Meta-Reinforcement Learning for Reliable Communication in THz/VLC Wireless VR Networks. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	2
13	Federated Learning for Collaborative Controller Design of Connected and Autonomous Vehicles **2021**,		2
12	Resource Optimization for Wireless Federated Learning		1
11	Smart Industries and Intelligent Reflecting Surfaces. *Wireless Networks*, **2021**, 221-239	0.6	1
10	Performance Optimization of Federated Learning over Mobile Wireless Networks **2020**,		1
9	Meta-Reinforcement Learning for Immersive Virtual Reality over THz/VLC Wireless Networks **2021**,		1
8	Incentive Mechanisms for Federated Learning. *Wireless Networks*, **2021**, 71-128	0.6	0

7	Joint LED Selection and Precoding Optimization for Multiple-User Multiple-Cell VLC Systems. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
6	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networks Part I. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 3575-3578	14.2	0
5	Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networks Part II. *IEEE Journal on Selected Areas in Communications*, **2022**, 40, 445-448	14.2	
4	Vehicular Networks and Autonomous Driving Cars. *Wireless Networks*, **2021**, 179-220	0.6	
3	Wireless Virtual Reality. *Wireless Networks*, **2021**, 155-178	0.6	
2	Federated Learning in 6G Mobile Wireless Networks. *Computer Communications and Networks*, **2021**, 359-378	0.5	
1	Joint User Grouping, Version Selection and Bandwidth Allocation for Live Video Multicasting. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	