Changchuan Yin

List of Publications by Year
in descending order

42 papers	2,580 citations	516710 16 h-index	752698 20 g-index
42 all docs	42 docs citations	42 times ranked	2538 citing authors

#	Article	IF	Citations
1	A Machine Learning Approach for Task and Resource Allocation in Mobile-Edge Computing-Based Networks. IEEE Internet of Things Journal, 2021, 8, 1358-1372.	8.7	54
2	Mobility-Aware Seamless Handover With MPTCP in Software-Defined HetNets. IEEE Transactions on Network and Service Management, 2021, 18, 498-510.	4.9	24
3	Minimization of Age of Information for Monitoring Realistic Physical Processes in Unmanned Aerial Vehicle Networks. , 2021, , .		1
4	Reliability and Latency of MmWave Communications Based on Blockage Avoidance in Internet of Vehicles. , 2021, , .		0
5	Federated Echo State Learning for Minimizing Breaks in Presence in Wireless Virtual Reality Networks. IEEE Transactions on Wireless Communications, 2020, 19, 177-191.	9.2	66
6	Trajectory Design for Energy Harvesting UAV Networks: A Foraging Approach. , 2020, , .		6
7	Joint Task and Resource Allocation in SDN-based UAV-assisted Cellular Networks. , 2020, , .		7
8	Joint 3D UAV Placement and Resource Allocation in Software-Defined Cellular Networks With Wireless Backhaul. IEEE Access, 2019, 7, 104279-104293.	4.2	41
9	Deep Learning for 360° Content Transmission in UAV-Enabled Virtual Reality. , 2019, , .		7
10	Artificial Neural Networks-Based Machine Learning for Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2019, 21, 3039-3071.	39.4	641
11	Echo-Liquid State Deep Learning for 360Â° Content Transmission and Caching in Wireless VR Networks With Cellular-Connected UAVs. IEEE Transactions on Communications, 2019, 67, 6386-6400.	7.8	74
12	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.	9.2	139
13	3D UAV placement and user association in software-defined cellular networks. Wireless Networks, 2019, 25, 3883-3897.	3.0	7
14	Data Correlation-Aware Resource Management in Wireless Virtual Reality (VR): An Echo State Transfer Learning Approach. IEEE Transactions on Communications, 2019, 67, 4267-4280.	7.8	54
15	Federated Deep Learning for Immersive Virtual Reality over Wireless Networks. , 2019, , .		5
16	Task and Resource Allocation in Mobile Edge Computing: An Improved Reinforcement Learning Approach. , 2019, , .		7
17	A FAHP and MPTCP Based Seamless Handover Method in Heterogeneous SDN Wireless Networks. , 2019, , .		5
18	Cooperative transmission in energy harvesting-based cognitive D2D networks. Wireless Networks, 2018, 24, 2579-2588.	3.0	2

#	Article	IF	Citations
19	Optimized Trajectory Design in UAV Based Cellular Networks: A Double Q-Learning Approach. , 2018, , .		11
20	Analysis of Memory Capacity for Deep Echo State Networks. , 2018, , .		5
21	Distributed Resource Allocation for Mobile Users in Cache-Enabled Software Defined Cellular Networks. , 2018, , .		0
22	Joint Heterogeneous Tasks Offloading and Resource Allocation in Mobile Edge Computing Systems. , 2018, , .		8
23	Virtual Reality Over Wireless Networks: Quality-of-Service Model and Learning-Based Resource Management. IEEE Transactions on Communications, 2018, 66, 5621-5635.	7.8	164
24	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.	14.0	610
25	Echo State Networks for Proactive Caching in Cloud-Based Radio Access Networks With Mobile Users. IEEE Transactions on Wireless Communications, 2017, 16, 3520-3535.	9.2	147
26	Echo State Networks for Self-Organizing Resource Allocation in LTE-U With Uplinkâ€“Downlink Decoupling. IEEE Transactions on Wireless Communications, 2017, 16, 3-16.	9.2	107
27	Resource Management for Wireless Virtual Reality: Machine Learning Meets Multi-Attribute Utility. , 2017, , .		19
28	Echo state transfer learning for data correlation aware resource allocation in wireless virtual reality. , 2017, , .		6
29	Coverage Characterization in Wireless Powered Communication Networks with Energy Harvesting. , 2015, , .		1
30	Analysis of the local delay with slotted-ALOHA based cognitive radio ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	5
31	Opportunistic Energy Harvesting and Energy-Based Opportunistic Spectrum Access in Cognitive Radio Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 187-198.	0.3	1
32	Spatial throughput characterization in cognitive radio networks with primary receiver assisted carrier sensing based opportunistic spectrum access. , 2014, , .		2
33	Spatial Throughput Characterization in Cognitive Radio Networks with Threshold-Based Opportunistic Spectrum Access. IEEE Journal on Selected Areas in Communications, 2014, 32, 2190-2204.	14.0	49
34	Expected Density of Progress of Cognitive Radio Networks with Selection Region Based Routing Protocol. , 2012, , .		0
35	Throughput and Delay Scaling in Supportive Two-Tier Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 415-424.	14.0	31
36	Scaling Laws for Overlaid Wireless Networks: A Cognitive Radio Network versus a Primary Network. IEEE/ACM Transactions on Networking, 2010, 18, 1317-1329.	3.8	85

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37	Reduced-Complexity Proportional Fair Scheduling for OFDMA Systems. , 2006, , .		37
38	A squaring method to simplify the decoding of orthogonal space-time block codes. IEEE Transactions on Communications, 2001, 49, 1700-1703.	7.8	128
39	Two-dimensional recursive least square adaptive channel estimation for OFDM systems. , 0, , .		17
40	Unified view of channel estimation in MIMO-OFDM systems. , 0, , .		6
41	Turbo-MIMO-OFDM multiuser detection with uplink precoding in frequency-selective fading channels. , 0, , .		1
42	A Cross-layer mechanism for TCP connection over wireless uplink in Cellular Networks. , 0, , .		0