

Yanxiang Jiang

List of Publications by Year in descending order

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56
papers

1,815
citations

623188

14
h-index

713013

21
g-index

56
all docs

56
docs citations

56
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
2	Energy-Efficient Joint Resource Allocation and Power Control for D2D Communications. IEEE Transactions on Vehicular Technology, 2016, 65, 6119-6127.	3.9	244
3	User Preference Learning-Based Edge Caching for Fog Radio Access Network. IEEE Transactions on Communications, 2019, 67, 1268-1283.	4.9	139
4	Random Caching Based Cooperative Transmission in Heterogeneous Wireless Networks. IEEE Transactions on Communications, 2018, 66, 2809-2825.	4.9	64
5	A Mean Field Game-Based Distributed Edge Caching in Fog Radio Access Networks. IEEE Transactions on Communications, 2020, 68, 1567-1580.	4.9	32
6	Deep Learning-Based Edge Caching in Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2020, 19, 8442-8454.	6.1	27
7	Frequency Offset Estimation and Training Sequence Design for MIMO OFDM. IEEE Transactions on Wireless Communications, 2008, 7, 1244-1254.	6.1	24
8	A Novel Caching Policy with Content Popularity Prediction and User Preference Learning in Fog-RAN. , 2017, , .		24
9	Distributed Edge Caching via Reinforcement Learning in Fog Radio Access Networks. , 2019, , .		24
10	Decentralized Asynchronous Coded Caching Design and Performance Analysis in Fog Radio Access Networks. IEEE Transactions on Mobile Computing, 2020, 19, 540-551.	3.9	24
11	Enhancing Performance of Random Caching in Large-Scale Heterogeneous Wireless Networks With Random Discontinuous Transmission. IEEE Transactions on Communications, 2018, 66, 6287-6303.	4.9	23
12	Analysis and Optimization of Cache-Enabled Fog Radio Access Networks: Successful Transmission Probability, Fractional Offloaded Traffic and Delay. IEEE Transactions on Vehicular Technology, 2020, 69, 5219-5231.	3.9	20
13	Energy Efficient Power Allocation in Massive MIMO Systems Based on Standard Interference Function. , 2016, , .		19
14	Content Popularity Prediction via Deep Learning in Cache-Enabled Fog Radio Access Networks. , 2019, , .		17
15	Content Popularity Prediction in Fog Radio Access Networks: A Federated Learning Based Approach. , 2020, , .		17
16	Brain Storm Optimization-Based Edge Caching in Fog Radio Access Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1807-1820.	3.9	17
17	Graph-based Cooperative Caching in Fog-RAN. , 2018, , .		16
18	Cooperative caching in fog radio access networks: a graph-based approach. IET Communications, 2019, 13, 3519-3528.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Performance Analysis and Caching Design in Fog Radio Access Networks. , 2018, , .		15
20	Energy-Efficient Noncooperative Power Control in Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7540-7547.	3.9	14
21	Analysis and Optimization of Fog Radio Access Networks With Hybrid Caching: Delay and Energy Efficiency. IEEE Transactions on Wireless Communications, 2021, 20, 69-82.	6.1	14
22	Cooperative Edge Caching via Federated Deep Reinforcement Learning in Fog-RANs. , 2021, , .		14
23	Simplified Frequency Offset Estimation for MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 3246-3251.	3.9	13
24	Training Sequence Assisted Frequency Offset Estimation for MIMO OFDM. , 2006, , .		12
25	Joint Transmitter and Receiver Design for Pattern Division Multiple Access. IEEE Transactions on Mobile Computing, 2019, 18, 885-895.	3.9	12
26	Preamble Design and Synchronization Algorithm for Cooperative Relay Systems. , 2009, , .		10
27	Distributed Edge Caching in Ultra-Dense Fog Radio Access Networks: A Mean Field Approach. , 2018, , .		10
28	Distributed Edge Caching with Content Recommendation in Fog-RANs Via Deep Reinforcement Learning. , 2020, , .		10
29	Federated Learning-Based Content Popularity Prediction in Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3836-3849.	6.1	9
30	Computation Offloading and Resource Allocation in F-RANs: A Federated Deep Reinforcement Learning Approach. , 2022, , .		9
31	Low complexity soft decision equalization for block transmission systems. , 0, , .		8
32	Cooperative Edge Caching in Fog Radio Access Networks: A Pigeon Inspired Optimization Approach. , 2019, , .		8
33	A low complex energy saving access algorithm based on base station sleep mode. , 2013, , .		5
34	A CMDP-based approach for energy efficient power allocation in massive MIMO systems. , 2016, , .		5
35	Pattern Division Multiple Access with Large-Scale Antenna Array. , 2017, , .		5
36	Power Control via Stackelberg Game for Small-Cell Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-10.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Joint MDS Codes and Weighted Graph-Based Coded Caching in Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2022, 21, 6789-6802.	6.1	4
38	SNR Degradation due to Carrier Frequency Offset in Amplify-and-Forward Relay System for Fading Channels. , 2009, , .		3
39	Decentralized Asynchronous Coded Caching in Fog-RAN. , 2018, , .		3
40	Cache-enabled heterogeneous wireless networks with random discontinuous transmission. , 2018, , .		3
41	Edge Caching Resource Allocation in Fog Radio Access Networks: An Incentive Mechanism Based Approach. , 2019, , .		3
42	Training Aided Frequency Offset Estimation for MIMO OFDM Systems via Polynomial Rooting. IEEE Vehicular Technology Conference, 2008, , .	0.2	2
43	Adaptive resource allocation and grouping for device-to-device communications underlying cellular networks. , 2013, , .		2
44	Inter-symbol-interference cancelation in time-domain physical-layer network coding with fractional delay. , 2014, , .		2
45	Energy efficient power control for the two-tier networks with small cells and massive MIMO. , 2016, , .		2
46	Analysis of Delay and Energy Efficiency in Fog Radio Access Networks with Hybrid Caching. , 2019, , .		2
47	Joint Redundant MDS Codes and Cluster Cooperation Based Coded Caching in Fog Radio Access Networks. , 2020, , .		2
48	Frequency Offset Estimation for OFDM Systems with a Novel Frequency Domain Training Sequence. IEICE Transactions on Communications, 2006, E89-B, 1194-1204.	0.4	2
49	Low complexity frequency offset estimator for OFDM with time-frequency training sequence. , 0, , .		1
50	MIMO OFDM Frequency Offset Estimator with Low Computational Complexity. , 2007, , .		1
51	Hierarchical Cooperative Caching in Fog Radio Access Networks: A Brain Storm Optimization Approach. , 2020, , .		1
52	Adaptive time slot partitioning for relay enhanced cellular. , 2011, , .		0
53	A simplified equalization method for asynchronous cooperative relay systems. , 2012, , .		0
54	Research of synchronization and training sequence design for cooperative D2D communications underlying hyper-cellular networks. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
55	Energy efficient power control for the two-tier networks with small cells and massive MIMO. , 2016, ,		0
56	SINR Degradation due to Carrier Frequency Offset in OFDM Based Amplify-and-Forward Relay Systems. IEICE Transactions on Communications, 2012, E95-B, 317-320.	0.4	0