Di Zhou

List of Publications by Year
in descending order

31 papers	780 citations	567281 15 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	419 citing authors

#	Article	IF	Citations
1	Toward a Flexible and Reconfigurable Broadband Satellite Network: Resource Management Architecture and Strategies. IEEE Wireless Communications, 2017, 24, 127-133.	9.0	104
2	Mission Aware Contact Plan Design in Resource-Limited Small Satellite Networks. IEEE Transactions on Communications, 2017, 65, 2451-2466.	7.8	92
3	Joint HAP Access and LEO Satellite Backhaul in 6G: Matching Game-Based Approaches. IEEE Journal on Selected Areas in Communications, 2021, 39, 1147-1159.	14.0	71
4	Channel-Aware Mission Scheduling in Broadband Data Relay Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1052-1064.	14.0	55
5	Collaborative Data Scheduling With Joint Forward and Backward Induction in Small Satellite Networks. IEEE Transactions on Communications, 2019, 67, 3443-3456.	7.8	45
6	Machine Learning-Based Resource Allocation in Satellite Networks Supporting Internet of Remote Things. IEEE Transactions on Wireless Communications, 2021, 20, 6606-6621.	9.2	40
7	An Analytical Framework for Resource-Limited Small Satellite Networks. IEEE Communications Letters, 2016, 20, 388-391.	4.1	39
8	Distributionally Robust Planning for Data Delivery in Distributed Satellite Cluster Network. IEEE Transactions on Wireless Communications, 2019, 18, 3642-3657.	9.2	39
9	Resource Mobility in Space Information Networks: Opportunities, Challenges, and Approaches. IEEE Network, 2019, 33, 128-135.	6.9	36
10	Dynamic Contact Plan Design in Broadband Satellite Networks With Varying Contact Capacity. IEEE Communications Letters, 2016, 20, 2410-2413.	4.1	33
11	VNF-Based Service Provision in Software Defined LEO Satellite Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6139-6153.	9.2	33
12	Gateway Placement in Integrated Satellite–Terrestrial Networks: Supporting Communications and Internet of Remote Things. IEEE Internet of Things Journal, 2022, 9, 4421-4434.	8.7	25
13	Joint UAV Access and GEO Satellite Backhaul in IoRT Networks: Performance Analysis and Optimization. IEEE Internet of Things Journal, 2021, 8, 7126-7139.	8.7	22
14	Flexible and Distributed Mobility Management for Integrated Terrestrial-Satellite Networks: Challenges, Architectures, and Approaches. IEEE Network, 2021, 35, 73-81.	6.9	21
15	Modeling and Performance Analysis for Satellite Data Relay Networks Using Two-Dimensional Markov-Modulated Process. IEEE Transactions on Wireless Communications, 2020, 19, 3894-3907.	9.2	19
16	Capacity Analysis of Two-Layered LEO/MEO Satellite Networks. , 2015, , .		13
17	Antenna Slewing Time Aware Mission Scheduling in Space Networks. IEEE Communications Letters, 2017, 21, 516-519.	4.1	13
18	Capacity of two-layered satellite networks. Wireless Networks, 2017, 23, 2651-2669.	3.0	12

#	Article	IF	Citations
19	Distributionally Robust Two-Stage Energy Management for Hybrid Energy Powered Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 12162-12174.	6.3	11
20	Mission QoS and Satellite Service Lifetime Tradeoff in Remote Sensing Satellite Networks. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	11
21	Mega Satellite Constellation System Optimization: From a Network Control Structure Perspective. IEEE Transactions on Wireless Communications, 2022, 21, 913-927.	9.2	10
22	Tailored Load-Aware Routing for Load Balance in Multilayered Satellite Networks. , 2015, , .		7
23	A Multi-Aspect Expanded Hypergraph Enabled Cross-Domain Resource Management in Satellite Networks. IEEE Transactions on Communications, 2022, 70, 4687-4701.	7.8	6
24	Deep Reinforcement Learning Based Power Allocation for High Throughput Satellites. , 2021, , .		5
25	Exploring the Information Capacity of Remote Sensing Satellite Networks. IEEE Access, 2020, 8, 34056-34070.	4.2	4
26	Stochastic Delay Analysis for Satellite Data Relay Networks With Heterogeneous Traffic and Transmission Links. IEEE Transactions on Wireless Communications, 2021, 20, 156-170.	9.2	4
27	Traffic Allocation for Heterogeneous Links in Satellite Data Relay Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8065-8079.	6.3	4
28	Mission Structure Learning-Based Resource Allocation in Space Information Networks. , 2021, , .		3
29	Joint Data Collection and Transmission in 6G Aerial Access Networks. , 2021, , .		2
30	Two-Stage Task Planning Based on Resource Interchange in Space Information Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 644-659.	0.3	1
31	Regular Space TT&C Mission Planning Based on Hierarchical Progress in Space Information Networks. Communications in Computer and Information Science, 2021, , 106-118.	0.5	0