Weisen Shi

List of Publications by Year
in descending order

39 papers	2,518 citations	361413 20 h-index	526287 27 g-index
39 all docs	39 docs citations	39 times ranked	2447 citing authors

#	Article	IF	Citations
1	Space/Aerial-Assisted Computing Offloading for IoT Applications: A Learning-Based Approach. IEEE Journal on Selected Areas in Communications, 2019, 37, 1117-1129.	14.0	542
2	Internet of vehicles in big data era. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 19-35.	13.1	440
3	Air-Ground Integrated Mobile Edge Networks: Architecture, Challenges, and Opportunities. IEEE Communications Magazine, 2018, 56, 26-32.	6.1	262
4	Drone Assisted Vehicular Networks: Architecture, Challenges and Opportunities. IEEE Network, 2018, 32, 130-137.	6.9	212
5	Multiple Drone-Cell Deployment Analyses and Optimization in Drone Assisted Radio Access Networks. IEEE Access, 2018, 6, 12518-12529.	4.2	114
6	A Comprehensive Simulation Platform for Space-Air-Ground Integrated Network. IEEE Wireless Communications, 2020, 27, 178-185.	9.0	110
7	Air-Ground Integrated Vehicular Network Slicing With Content Pushing and Caching. IEEE Journal on Selected Areas in Communications, 2018, 36, 2114-2127.	14.0	95
8	Multi-Drone 3-D Trajectory Planning and Scheduling in Drone-Assisted Radio Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 8145-8158.	6.3	65
9	Resource Management in Space-Air-Ground Integrated Vehicular Networks: SDN Control and AI Algorithm Design. IEEE Wireless Communications, 2020, 27, 52-60.	9.0	52
10	Joint RAN Slicing and Computation Offloading for Autonomous Vehicular Networks: A Learning-Assisted Hierarchical Approach. IEEE Open Journal of Vehicular Technology, 2021, 2, 272-288.	4.9	45
11	Delay-Minimized Edge Caching in Heterogeneous Vehicular Networks: A Matching-Based Approach. IEEE Transactions on Wireless Communications, 2020, 19, 6409-6424.	9.2	44
12	A Virtual Network Customization Framework for Multicast Services in NFV-Enabled Core Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1025-1039.	14.0	44
13	Joint VNF Placement and Multicast Traffic Routing in 5G Core Networks. , 2018, , .		42
14	Cost-Aware Dynamic SFC Mapping and Scheduling in SDN/NFV-Enabled Space–Air–Ground-Integrated Networks for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5824-5838.	8.7	42
15	Delay-Aware VNF Scheduling: A Reinforcement Learning Approach With Variable Action Set. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 304-318.	7.9	40
16	Throughput Analysis of Vehicular Internet Access via Roadside WiFi Hotspot. IEEE Transactions on Vehicular Technology, 2019, 68, 3980-3991.	6.3	36
17	DBCC: Leveraging Link Perception for Distributed Beacon Congestion Control in VANETs. IEEE Internet of Things Journal, 2018, 5, 4237-4249.	8.7	35
18	Drone-Cell Trajectory Planning and Resource Allocation for Highly Mobile Networks: A Hierarchical DRL Approach. IEEE Internet of Things Journal, 2021, 8, 9800-9813.	8.7	34

#	Article	IF	Citations
19	Joint Resource Allocation and Online Virtual Network Embedding for 5G Networks. , 2017, , .		29
20	Hierarchical Soft Slicing to Meet Multi-Dimensional QoS Demand in Cache-Enabled Vehicular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2150-2162.	9.2	28
21	Online Joint VNF Chain Composition and Embedding for 5G Networks. , 2018, , .		27
22	A Hierarchical Soft RAN Slicing Framework for Differentiated Service Provisioning. IEEE Wireless Communications, 2020, 27, 90-97.	9.0	24
23	On Dynamic Mapping and Scheduling of Service Function Chains in SDN/NFV-Enabled Networks. , 2019, , .		21
24	Drone-Small-Cell-Assisted Resource Slicing for 5G Uplink Radio Access Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7071-7086.	6.3	21
25	Joint Virtual Network Topology Design and Embedding for Cybertwin-Enabled 6G Core Networks. IEEE Internet of Things Journal, 2021, 8, 16313-16325.	8.7	17
26	Multiservice Function Chain Embedding With Delay Guarantee: A Game-Theoretical Approach. IEEE Internet of Things Journal, 2021, 8, 11219-11232.	8.7	15
27	3D Drone-cell deployment optimization for drone assisted radio access networks. , 2017, , .		11
28	Two-Level Soft RAN Slicing for Customized Services in 5G-and-Beyond Wireless Communications. IEEE Transactions on Industrial Informatics, 2022, 18, 4169-4179.	11.3	10
29	ViFi: Vehicle-to-Vehicle Assisted Traffic Offloading via Roadside WiFi Networks. , 2018, , .		9
30	Online UAV Scheduling Towards Throughput QoS Guarantee for Dynamic IoVs. , 2019, , .		9
31	3D Multi-Drone-Cell Trajectory Design for Efficient IoT Data Collection. , 2019, , .		9
32	Transmission capacity analysis for linear VANET under physical model. China Communications, 2017, 14, 97-107.	3.2	8
33	Transmission Capacity Analysis for Vehicular Ad Hoc Networks. IEEE Access, 2018, 6, 30333-30341.	4.2	8
34	Network capacity analysis for cellular based cognitive radio VANET in urban grid scenario. Journal of Communications and Information Networks, 2017, 2, 136-146.	5.2	7
35	Reinforcement Learning Based VNF Scheduling with End-to-End Delay Guarantee. , 2019, , .		6
36	Throughput Analysis of In-Vehicle Internet Access via On-Road WiFi Access Points. , 2017, , .		4

#	Article	IF	Citations
37	Corrections to "Joint RAN Slicing and Computation Offloading for Autonomous Vehicular Networks: A Learning-Assisted Hierarchical Approach" IEEE Open Journal of Vehicular Technology, 2021, 2, 345-345.	4.9	1
38	Resource Allocation in UAV-Aided Wireless Networks. , 2019, , 1-4.		0
39	Resource Allocation in UAV-Aided Wireless Networks. , 2020, , 1222-1225.		0