

Shih-Chun Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,278
citations

16
h-index

35
g-index

47
ext. papers

1,570
ext. citations

6
avg, IF

5.19
L-index

#	Paper	IF	Citations
40	. <i>IEEE Access</i> , 2021 , 9, 153429-153441	3.5	0
39	TULVCAN: Terahertz Ultra-broadband Learning Vehicular Channel-Aware Networking 2021 ,		1
38	Wireless Networked Multirobot Systems in Smart Factories. <i>Proceedings of the IEEE</i> , 2021 , 109, 468-494	14.3	11
37	FracBot Technology for Mapping Hydraulic Fractures. <i>SPE Journal</i> , 2021 , 26, 610-626	3.1	1
36	SDVEC: Software-Defined Vehicular Edge Computing with Ultra-Low Latency. <i>IEEE Communications Magazine</i> , 2021 , 59, 66-72	9.1	1
35	Eco-Vehicular Edge Networks for Connected Transportation: A Distributed Multi-Agent Reinforcement Learning Approach 2020 ,		2
34	2020 ,		3
33	Dynamic Power Allocation and Virtual Cell Formation for Throughput-Optimal Vehicular Edge Networks in Highway Transportation 2020 ,		4
32	Software-Defined architecture for QoS-Aware IoT deployments in 5G systems. <i>Ad Hoc Networks</i> , 2019 , 93, 101911	4.8	12
31	Automatic Modulation Classification Under Non-Gaussian Noise: A Deep Residual Learning Approach 2019 ,		15
30	Towards Optimal Network Planning for Software-Defined Networks. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 2953-2967	4.6	23
29	SDN-based architecture for providing reliable Internet of Things connectivity in 5G systems 2018 ,		10
28	2018 ,		6
27	Towards Software-Defined Massive MIMO for 5G&B Spectral-Efficient Networks 2018 ,		3
26	Dynamic base station formation for solving NLOS problem in 5G millimeter-wave communication 2017 ,		14
25	Magnetic Induction-Based Localization in Randomly Deployed Wireless Underground Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2017 , 4, 1454-1465	10.7	35
24	Towards wireless infrastructure-as-a-service (WlaaS) for 5G software-defined cellular systems 2017 ,		1

23	Optimal energy planning for wireless self-contained sensor networks in oil reservoirs 2017 ,		11
22	Delay-Based Maximum Power-Weight Scheduling With Heavy-Tailed Traffic. <i>IEEE/ACM Transactions on Networking</i> , 2017 , 25, 2540-2555	3.8	7
21	Jointly optimized QoS-aware virtualization and routing in software defined networks. <i>Computer Networks</i> , 2016 , 96, 69-78	5.4	17
20	Control traffic balancing in software defined networks. <i>Computer Networks</i> , 2016 , 106, 260-271	5.4	42
19	Cognitive and Opportunistic Relay for QoS Guarantees in Machine-to-Machine Communications. <i>IEEE Transactions on Mobile Computing</i> , 2016 , 15, 599-609	4.6	20
18	5G roadmap: 10 key enabling technologies. <i>Computer Networks</i> , 2016 , 106, 17-48	5.4	262
17	Statistical QoS Control of Network Coded Multipath Routing in Large Cognitive Machine-to-Machine Networks. <i>IEEE Internet of Things Journal</i> , 2016 , 3, 619-627	10.7	26
16	Throughput-Optimal LIFO Policy for Bounded Delay in the Presence of Heavy-Tailed Traffic 2016 ,		6
15	Practical timing synchronization for network dynamics in large machine-to-machine networks. <i>China Communications</i> , 2016 , 13, 160-168	3	
14	SoftWater: Software-defined networking for next-generation underwater communication systems. <i>Ad Hoc Networks</i> , 2016 , 46, 1-11	4.8	72
13	QoS-Aware Adaptive Routing in Multi-layer Hierarchical Software Defined Networks: A Reinforcement Learning Approach 2016 ,		106
12	A Framework for QoS-aware Traffic Classification Using Semi-supervised Machine Learning in SDNs 2016 ,		63
11	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4006-4019	9.6	52
10	Statistical Dissemination Control in Large Machine-to-Machine Communication Networks. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 1897-1910	9.6	4
9	Wireless software-defined networks (W-SDNs) and network function virtualization (NFV) for 5G cellular systems: An overview and qualitative evaluation. <i>Computer Networks</i> , 2015 , 93, 66-79	5.4	78
8	QoS-aware virtualization-enabled routing in Software-Defined Networks 2015 ,		4
7	SoftAir: A software defined networking architecture for 5G wireless systems. <i>Computer Networks</i> , 2015 , 85, 1-18	5.4	208
6	Improving Spectrum Efficiency via In-Network Computations in Cognitive Radio Sensor Networks. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 1222-1234	9.6	31

5	Spectrum-Map-Empowered Opportunistic Routing for Cognitive Radio Ad Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 2848-2861	6.8	58
4	Small-world networks empowered large machine-to-machine communications 2013 ,		5
3	Providing statistical QoS guarantees in large cognitive machine-to-machine networks 2012 ,		13
2	Reciprocal spectrum sharing game and mechanism in cellular systems with Cognitive Radio users 2011 ,		6
1	Spectrum Aware Opportunistic Routing in Cognitive Radio Networks 2010 ,		44