Shih-Chun Lin

List of Publications by Citations

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	5G roadmap: 10 key enabling technologies. *Computer Networks*, **2016**, 106, 17-48	5.4	262
39	SoftAir: A software defined networking architecture for 5G wireless systems. *Computer Networks*, **2015**, 85, 1-18	5.4	208
38	QoS-Aware Adaptive Routing in Multi-layer Hierarchical Software Defined Networks: A Reinforcement Learning Approach **2016**,		106
37	Wireless software-defined networks (W-SDNs) and network function virtualization (NFV) for 5G cellular systems: An overview and qualitative evaluation. *Computer Networks*, **2015**, 93, 66-79	5.4	78
36	SoftWater: Software-defined networking for next-generation underwater communication systems. *Ad Hoc Networks*, **2016**, 46, 1-11	4.8	72
35	A Framework for QoS-aware Traffic Classification Using Semi-supervised Machine Learning in SDNs **2016**,		63
34	Spectrum-Map-Empowered Opportunistic Routing for Cognitive Radio Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 2848-2861	6.8	58
33	. *IEEE Transactions on Wireless Communications*, **2015**, 14, 4006-4019	9.6	52
32	Spectrum Aware Opportunistic Routing in Cognitive Radio Networks **2010**,		44
31	Control traffic balancing in software defined networks. *Computer Networks*, **2016**, 106, 260-271	5.4	42
30	Magnetic Induction-Based Localization in Randomly Deployed Wireless Underground Sensor Networks. *IEEE Internet of Things Journal*, **2017**, 4, 1454-1465	10.7	35
29	Improving Spectrum Efficiency via In-Network Computations in Cognitive Radio Sensor Networks. *IEEE Transactions on Wireless Communications*, **2014**, 13, 1222-1234	9.6	31
28	Statistical QoS Control of Network Coded Multipath Routing in Large Cognitive Machine-to-Machine Networks. *IEEE Internet of Things Journal*, **2016**, 3, 619-627	10.7	26
27	Towards Optimal Network Planning for Software-Defined Networks. *IEEE Transactions on Mobile Computing*, **2018**, 17, 2953-2967	4.6	23
26	Cognitive and Opportunistic Relay for QoS Guarantees in Machine-to-Machine Communications. *IEEE Transactions on Mobile Computing*, **2016**, 15, 599-609	4.6	20
25	Jointly optimized QoS-aware virtualization and routing in software defined networks. *Computer Networks*, **2016**, 96, 69-78	5.4	17
24	Automatic Modulation Classification Under Non-Gaussian Noise: A Deep Residual Learning Approach **2019**,		15

23	Dynamic base station formation for solving NLOS problem in 5G millimeter-wave communication **2017**,		14
22	Providing statistical QoS guarantees in large cognitive machine-to-machine networks **2012**,		13
21	Software-Defined architecture for QoS-Aware IoT deployments in 5G systems. *Ad Hoc Networks*, **2019**, 93, 101911	4.8	12
20	Optimal energy planning for wireless self-contained sensor networks in oil reservoirs **2017**,		11
19	Wireless Networked Multirobot Systems in Smart Factories. *Proceedings of the IEEE*, **2021**, 109, 468-494	14.3	11
18	SDN-based architecture for providing reliable Internet of Things connectivity in 5G systems **2018**,		10
17	Delay-Based Maximum Power-Weight Scheduling With Heavy-Tailed Traffic. *IEEE/ACM Transactions on Networking*, **2017**, 25, 2540-2555	3.8	7
16	Reciprocal spectrum sharing game and mechanism in cellular systems with Cognitive Radio users **2011**,		6
15	Throughput-Optimal LIFO Policy for Bounded Delay in the Presence of Heavy-Tailed Traffic **2016**,		6
14	**2018**,		6
13	Small-world networks empowered large machine-to-machine communications **2013**,		5
12	Statistical Dissemination Control in Large Machine-to-Machine Communication Networks. *IEEE Transactions on Wireless Communications*, **2015**, 14, 1897-1910	9.6	4
11	QoS-aware virtualization-enabled routing in Software-Defined Networks **2015**,		4
10	Dynamic Power Allocation and Virtual Cell Formation for Throughput-Optimal Vehicular Edge Networks in Highway Transportation **2020**,		4
9	**2020**,		3
8	Towards Software-Defined Massive MIMO for 5G&B Spectral-Efficient Networks **2018**,		3
7	Eco-Vehicular Edge Networks for Connected Transportation: A Distributed Multi-Agent Reinforcement Learning Approach **2020**,		2
6	Towards wireless infrastructure-as-a-service (WlaaS) for 5G software-defined cellular systems **2017**,		1

5	TULVCAN: Terahertz Ultra-broadband Learning Vehicular Channel-Aware Networking **2021**,		1
4	FracBot Technology for Mapping Hydraulic Fractures. *SPE Journal*, **2021**, 26, 610-626	3.1	1
3	SDVEC: Software-Defined Vehicular Edge Computing with Ultra-Low Latency. *IEEE Communications Magazine*, **2021**, 59, 66-72	9.1	1
2	. *IEEE Access*, **2021**, 9, 153429-153441	3.5	0
1	Practical timing synchronization for network dynamics in large machine-to-machine networks. *China Communications*, **2016**, 13, 160-168	3	