

Vahid Shah-Mansouri

List of Publications by Citations

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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.

58

papers

687

citations

15

h-index

24

g-index

62

ext. papers

881

ext. citations

5.2

avg, IF

4.88

L-index

#	Paper	IF	Citations
58	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9847-9861	6.8	130
57	Congestion control for bursty M2M traffic in LTE networks 2015 ,		45
56	Learning RAT Selection Game in 5G Heterogeneous Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 52-55	5.9	35
55	Game-Theoretic Approaches for Energy Cooperation in Energy Harvesting Small Cell Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 7178-7194	6.8	30
54	Axonal Channel Capacity in Neuro-Spike Communication. <i>IEEE Transactions on Nanobioscience</i> , 2018 , 17, 78-87	3.4	26
53	High-Precision OMP-Based Direction of Arrival Estimation Scheme for Hybrid Non-Uniform Array. <i>IEEE Communications Letters</i> , 2020 , 24, 354-357	3.8	26
52	3D-OMP and 3D-FOMP algorithms for DOA estimation. <i>Physical Communication</i> , 2018 , 31, 87-95	2.2	25
51	A Dynamic Reliability-Aware Service Placement for Network Function Virtualization (NFV). <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 318-333	14.2	21
50	Millimeter-wave device-to-device multi-hop routing for multimedia applications 2016 ,		19
49	Congestion control with adaptive access class barring for LTE M2M overload using Kalman filters. <i>Computer Networks</i> , 2018 , 141, 222-233	5.4	18
48	Reliability Aware Service Placement Using a Viterbi-Based Algorithm. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 622-636	4.8	18
47	Analysis of Distributed ADMM Algorithm for Consensus Optimization in Presence of Node Error. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 1774-1784	4.8	18
46	Distributed channel selection and randomized interrogation algorithms for large-scale and dense RFID systems. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1402-1413	9.6	16
45	Probabilistic Analysis of Blocking Attack in RFID Systems. <i>IEEE Transactions on Information Forensics and Security</i> , 2011 , 6, 803-817	8	15
44	Lifetime-resource tradeoff for multicast traffic in wireless sensor networks. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1924-1934	9.6	15
43	Mobility increases throughput of wireless device-to-device networks with coded caching 2016 ,		14
42	Cardinality Estimation in RFID Systems with Multiple Readers. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 1458-1469	9.6	13

41	Deep Reinforcement Learning for Dynamic Reliability Aware NFV-Based Service Provisioning 2019 ,		13
40	Joint Optimization of Input Spike Rate and Receiver Decision Threshold to Maximize Achievable Bit Rate of Neuro-Spike Communication Channel. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 117-127	3.4	11
39	Minimum delay function placement and resource allocation for Open RAN (O-RAN) 5G networks. <i>Computer Networks</i> , 2021 , 188, 107809	5.4	10
38	Generative Adversarial Networks (GANs) in networking: A comprehensive survey & evaluation. <i>Computer Networks</i> , 2021 , 194, 108149	5.4	10
37	A multi-state Q-learning based CSMA MAC protocol for wireless networks. <i>Wireless Networks</i> , 2018 , 24, 1251-1264	2.5	9
36	Renewable energy distribution in cooperative cellular networks with energy harvesting 2015 ,		9
35	Dynamic adjustment of queue levels in TCP Vegas-based networks. <i>Electronics Letters</i> , 2016 , 52, 361-363	1.1	8
34	Capacity bounds of neuro-spike communication by exploiting temporal modulations 2018 ,		8
33	Fair beamwidth selection and resource allocation for indoor millimeter-wave networks 2017 ,		8
32	QoE-aware power allocation for device-to-device video transmissions 2016 ,		8
31	On Fair Rule Caching in Software Defined Radio Access Networks. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 460-463	5.9	7
30	Asynchronous Neuro-Spike Array - Based Communication 2018 ,		7
29	Price-based resource allocation for self-backhauled small cell networks. <i>Computer Communications</i> , 2017 , 97, 72-80	5.1	6
28	Enhancing data rate of molecular communication system using Brownian motion. <i>IET Nanobiotechnology</i> , 2019 , 13, 293-300	2	6
27	Price-based resource allocation for full duplex self-backhauled small cell networks 2015 ,		6
26	A matching-game-based energy trading for small cell networks with energy harvesting 2015 ,		6
25	Rule Caching in SDN-Enabled Base Stations Supporting Massive IoT Devices With Bursty Traffic. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8917-8931	10.7	6
24	Analysis of distributed ADMM algorithm for consensus optimisation over lossy networks. <i>IET Signal Processing</i> , 2018 , 12, 786-794	1.7	6

23	Price-based power control in relay networks using Stackelberg game 2015 ,		5
22	. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4803-4815	9.6	5
21	Accurate and Efficient Network Tomography Through Network Coding. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 2701-2713	6.8	5
20	Robust queue management for TCP-based large round trip time networks with wireless access link 2015 ,		4
19	RAT selection based on association probability in 5G heterogeneous networks 2017 ,		4
18	Capacity and Error Probability Analysis of Neuro-Spike Communication Exploiting Temporal Modulation. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2078-2089	6.9	4
17	Outage probability analysis of the millimeter-wave relaying systems 2016 ,		4
16	Tag estimation in RFID systems with capture effect 2015 ,		3
15	Double-auction-based energy trading for small cell networks with energy harvesting 2016 ,		3
14	Device-to-device communications using EMTR technique. <i>IET Signal Processing</i> , 2018 , 12, 320-326	1.7	3
13	Robust congestion control for TCP/AQM using integral backstepping control 2015 ,		3
12	Analysis and performance evaluation of scalable video coding over heterogeneous cellular networks. <i>Computer Networks</i> , 2019 , 148, 151-163	5.4	3
11	Bounds on the coverage probability of heterogeneous cellular networks 2016 ,		2
10	Direction Shift Keying Modulation for Molecular Communication 2020 ,		2
9	Centralized Dynamic-Time Division Duplex Utilizing Interference Alignment. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
8	Latency-Aware Sum-Rate Maximization for 5G Software-Defined Radio Access Networks. <i>Computer Journal</i> , 2017 , 60, 1482-1497	1.3	1
7	Minimum delay scheduling for raw-data convergecast in wireless field networks 2015 ,		1
6	Opportunistic content dissemination in mobile social networks via adjustment of user selfishness. <i>IET Networks</i> , 2019 , 8, 126-137	2.8	1

5	Enhanced Modulation for Multi-Users Molecular Communication in Internet of Nano Things. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	1
4	Energy efficiency through joint routing and function placement in different modes of SDN/NFV networks. <i>Computer Networks</i> , 2021 , 200, 108492	5.4	0
3	A New Approach for Helper Selection and Performance Analysis in Poisson CoopMAC Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 8105-8117	9.6	
2	Exact throughput analysis of random cooperative medium access control networks in the presence of shadowing. <i>IET Communications</i> , 2017 , 11, 2261-2268	1.3	
1	Stable multi-player evolutionary game for two-choice resource allocation problems. <i>IET Control Theory and Applications</i> , 2019 , 13, 1211-1218	2.5	