

Vahid Shah-Mansouri

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.

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	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
57	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
56	Minimum delay function placement and resource allocation for Open RAN (O-RAN) 5G networks. <i>Computer Networks</i> , 2021 , 188, 107809	5.4	10
55	Generative Adversarial Networks (GANs) in networking: A comprehensive survey & evaluation. <i>Computer Networks</i> , 2021 , 194, 108149	5.4	10
54	Centralized Dynamic-Time Division Duplex Utilizing Interference Alignment. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
53	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
52	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
51	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
50	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
49	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
48	Direction Shift Keying Modulation for Molecular Communication 2020 ,		2
47	Enhancing data rate of molecular communication system using Brownian motion. <i>IET Nanobiotechnology</i> , 2019 , 13, 293-300	2	6
46	. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4803-4815	9.6	5
45	Stable multi-player evolutionary game for two-choice resource allocation problems. <i>IET Control Theory and Applications</i> , 2019 , 13, 1211-1218	2.5	
44	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
43	Deep Reinforcement Learning for Dynamic Reliability Aware NFV-Based Service Provisioning 2019 ,		13
42	Opportunistic content dissemination in mobile social networks via adjustment of user selfishness. <i>IET Networks</i> , 2019 , 8, 126-137	2.8	1

41	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
40	Analysis and performance evaluation of scalable video coding over heterogeneous cellular networks. <i>Computer Networks</i> , 2019 , 148, 151-163	5.4	3
39	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
38	On Fair Rule Caching in Software Defined Radio Access Networks. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 460-463	5.9	7
37	Axonal Channel Capacity in Neuro-Spike Communication. <i>IEEE Transactions on Nanobioscience</i> , 2018 , 17, 78-87	3.4	26
36	A multi-state Q-learning based CSMA MAC protocol for wireless networks. <i>Wireless Networks</i> , 2018 , 24, 1251-1264	2.5	9
35	Asynchronous Neuro-Spike Array - Based Communication 2018 ,		7
34	Capacity bounds of neuro-spike communication by exploiting temporal modulations 2018 ,		8
33	Device-to-device communications using EMTR technique. <i>IET Signal Processing</i> , 2018 , 12, 320-326	1.7	3
32	Analysis of distributed ADMM algorithm for consensus optimisation over lossy networks. <i>IET Signal Processing</i> , 2018 , 12, 786-794	1.7	6
31	3D-OMP and 3D-FOMP algorithms for DOA estimation. <i>Physical Communication</i> , 2018 , 31, 87-95	2.2	25
30	Price-based resource allocation for self-backhauled small cell networks. <i>Computer Communications</i> , 2017 , 97, 72-80	5.1	6
29	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
28	Latency-Aware Sum-Rate Maximization for 5G Software-Defined Radio Access Networks. <i>Computer Journal</i> , 2017 , 60, 1482-1497	1.3	1
27	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	
26	Fair beamwidth selection and resource allocation for indoor millimeter-wave networks 2017 ,		8
25	RAT selection based on association probability in 5G heterogeneous networks 2017 ,		4
24	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	

23	Double-auction-based energy trading for small cell networks with energy harvesting 2016,		3
22	Millimeter-wave device-to-device multi-hop routing for multimedia applications 2016,		19
21	Bounds on the coverage probability of heterogeneous cellular networks 2016,		2
20	Learning RAT Selection Game in 5G Heterogeneous Networks. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 52-55	5.9	35
19	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9847-9861	6.8	130
18	Dynamic adjustment of queue levels in TCP Vegas-based networks. <i>Electronics Letters</i> , 2016 , 52, 361-363	1.1	8
17	QoE-aware power allocation for device-to-device video transmissions 2016,		8
16	Outage probability analysis of the millimeter-wave relaying systems 2016,		4
15	Mobility increases throughput of wireless device-to-device networks with coded caching 2016,		14
14	Robust queue management for TCP-based large round trip time networks with wireless access link 2015,		4
13	Price-based power control in relay networks using Stackelberg game 2015,		5
12	Tag estimation in RFID systems with capture effect 2015,		3
11	Price-based resource allocation for full duplex self-backhauled small cell networks 2015,		6
10	Congestion control for bursty M2M traffic in LTE networks 2015,		45
9	Renewable energy distribution in cooperative cellular networks with energy harvesting 2015,		9
8	A matching-game-based energy trading for small cell networks with energy harvesting 2015,		6
7	Robust congestion control for TCP/AQM using integral backstepping control 2015,		3
6	Minimum delay scheduling for raw-data convergecast in wireless field networks 2015,		1

5	Probabilistic Analysis of Blocking Attack in RFID Systems. <i>IEEE Transactions on Information Forensics and Security</i> , 2011 , 6, 803-817	8	15
4	Accurate and Efficient Network Tomography Through Network Coding. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 2701-2713	6.8	5
3	Cardinality Estimation in RFID Systems with Multiple Readers. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 1458-1469	9.6	13
2	Lifetime-resource tradeoff for multicast traffic in wireless sensor networks. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1924-1934	9.6	15
1	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