

Vahid Shah-Mansouri

List of Publications by Year in descending order

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62
papers

1,019
citations

567144

15
h-index

501076

28
g-index

62
all docs

62
docs citations

62
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	D-ACB: Adaptive Congestion Control Algorithm for Bursty M2M Traffic in LTE Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 9847-9861.	3.9	185
2	Congestion control for bursty M2M traffic in LTE networks. , 2015, , .		61
3	A Dynamic Reliability-Aware Service Placement for Network Function Virtualization (NFV). IEEE Journal on Selected Areas in Communications, 2020, 38, 318-333.	9.7	44
4	Generative Adversarial Networks (GANs) in networking: A comprehensive survey & evaluation. Computer Networks, 2021, 194, 108149.	3.2	40
5	Learning RAT Selection Game in 5G Heterogeneous Networks. IEEE Wireless Communications Letters, 2016, 5, 52-55.	3.2	39
6	High-Precision OMP-Based Direction of Arrival Estimation Scheme for Hybrid Non-Uniform Array. IEEE Communications Letters, 2020, 24, 354-357.	2.5	39
7	Game-Theoretic Approaches for Energy Cooperation in Energy Harvesting Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7178-7194.	3.9	37
8	Minimum delay function placement and resource allocation for Open RAN (O-RAN) 5G networks. Computer Networks, 2021, 188, 107809.	3.2	35
9	Axonal Channel Capacity in Neuro-Spike Communication. IEEE Transactions on Nanobioscience, 2018, 17, 78-87.	2.2	32
10	3D-OMP and 3D-FOMP algorithms for DOA estimation. Physical Communication, 2018, 31, 87-95.	1.2	30
11	Analysis of Distributed ADMM Algorithm for Consensus Optimization in Presence of Node Error. IEEE Transactions on Signal Processing, 2019, 67, 1774-1784.	3.2	30
12	Deep Reinforcement Learning for Dynamic Reliability Aware NFV-Based Service Provisioning. , 2019, , .		24
13	Congestion control with adaptive access class barring for LTE M2M overload using Kalman filters. Computer Networks, 2018, 141, 222-233.	3.2	23
14	Millimeter-wave device-to-device multi-hop routing for multimedia applications. , 2016, , .		21
15	Reliability Aware Service Placement Using a Viterbi-Based Algorithm. IEEE Transactions on Network and Service Management, 2020, 17, 622-636.	3.2	21
16	Distributed channel selection and randomized interrogation algorithms for large-scale and dense RFID systems. IEEE Transactions on Wireless Communications, 2010, 9, 1402-1413.	6.1	20
17	Probabilistic Analysis of Blocking Attack in RFID Systems. IEEE Transactions on Information Forensics and Security, 2011, 6, 803-817.	4.5	20
18	Lifetime-resource tradeoff for multicast traffic in wireless sensor networks. IEEE Transactions on Wireless Communications, 2010, 9, 1924-1934.	6.1	18

#	ARTICLE	IF	CITATIONS
19	Mobility increases throughput of wireless device-to-device networks with coded caching. , 2016, , .		16
20	Joint Optimization of Input Spike Rate and Receiver Decision Threshold to Maximize Achievable Bit Rate of Neuro-Spike Communication Channel. IEEE Transactions on Nanobioscience, 2019, 18, 117-127.	2.2	16
21	Capacity and Error Probability Analysis of Neuro-Spike Communication Exploiting Temporal Modulation. IEEE Transactions on Communications, 2020, 68, 2078-2089.	4.9	15
22	Enhanced Modulation for Multiuser Molecular Communication in Internet of Nano Things. IEEE Internet of Things Journal, 2022, 9, 19787-19802.	5.5	15
23	Dynamic adjustment of queue levels in TCP Vegas-based networks. Electronics Letters, 2016, 52, 361-363.	0.5	14
24	Cardinality Estimation in RFID Systems with Multiple Readers. IEEE Transactions on Wireless Communications, 2011, 10, 1458-1469.	6.1	13
25	Renewable energy distribution in cooperative cellular networks with energy harvesting. , 2015, , .		13
26	A multi-state Q-learning based CSMA MAC protocol for wireless networks. Wireless Networks, 2018, 24, 1251-1264.	2.0	13
27	Fair beamwidth selection and resource allocation for indoor millimeter-wave networks. , 2017, , .		11
28	Game-Theoretic Spectrum Trading in RF Relay-Assisted Free-Space Optical Communications. IEEE Transactions on Wireless Communications, 2019, 18, 4803-4815.	6.1	11
29	RAT selection based on association probability in 5G heterogeneous networks. , 2017, , .		10
30	Rule Caching in SDN-Enabled Base Stations Supporting Massive IoT Devices With Bursty Traffic. IEEE Internet of Things Journal, 2020, 7, 8917-8931.	5.5	10
31	Robust congestion control for TCP/AQM using integral backstepping control. , 2015, , .		9
32	Capacity bounds of neuro-spike communication by exploiting temporal modulations. , 2018, , .		9
33	A matching-game-based energy trading for small cell networks with energy harvesting. , 2015, , .		8
34	Price-based power control in relay networks using Stackelberg game. , 2015, , .		8
35	QoE-aware power allocation for device-to-device video transmissions. , 2016, , .		8
36	Price-based resource allocation for self-backhauled small cell networks. Computer Communications, 2017, 97, 72-80.	3.1	8

#	ARTICLE	IF	CITATIONS
37	On Fair Rule Caching in Software Defined Radio Access Networks. IEEE Wireless Communications Letters, 2018, 7, 460-463.	3.2	8
38	Enhancing data rate of molecular communication system using Brownian motion. IET Nanobiotechnology, 2019, 13, 293-300.	1.9	8
39	Price-based resource allocation for full duplex self-backhauled small cell networks. , 2015, , .		7
40	Asynchronous Neuro-Spike Array - Based Communication. , 2018, , .		7
41	Tag estimation in RFID systems with capture effect. , 2015, , .		6
42	Double-auction-based energy trading for small cell networks with energy harvesting. , 2016, , .		6
43	Analysis of distributed ADMM algorithm for consensus optimisation over lossy networks. IET Signal Processing, 2018, 12, 786-794.	0.9	6
44	Accurate and Efficient Network Tomography Through Network Coding. IEEE Transactions on Vehicular Technology, 2011, 60, 2701-2713.	3.9	5
45	Device-to-device communications using EMTR technique. IET Signal Processing, 2018, 12, 320-326.	0.9	5
46	Analysis and performance evaluation of scalable video coding over heterogeneous cellular networks. Computer Networks, 2019, 148, 151-163.	3.2	5
47	Direction Shift Keying Modulation for Molecular Communication. , 2020, , .		5
48	Robust queue management for TCP-based large round trip time networks with wireless access link. , 2015, , .		4
49	Outage probability analysis of the millimeter-wave relaying systems. , 2016, , .		4
50	Centralized Dynamic-Time Division Duplex Utilizing Interference Alignment. IEEE Transactions on Wireless Communications, 2021, , 1-1.	6.1	4
51	Energy efficiency through joint routing and function placement in different modes of SDN/NFV networks. Computer Networks, 2021, 200, 108492.	3.2	4
52	Service Admission Control for 5G Mobile Networks with RAN and Core Slicing. , 2019, , .		3
53	Bounds on the coverage probability of heterogeneous cellular networks. , 2016, , .		2
54	Minimum delay scheduling for raw-data convergecast in wireless field networks. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Transmission of scalable video coding over heterogeneous cellular networks. , 2016, , .		1
56	Latency-Aware Sum-Rate Maximization for 5G Software-Defined Radio Access Networks. Computer Journal, 2017, 60, 1482-1497.	1.5	1
57	Opportunistic content dissemination in mobile social networks via adjustment of user selfishness. IET Networks, 2019, 8, 126-137.	1.1	1
58	Probability analysis of reliable second order routing in wireless field networks. , 2015, , .		0
59	A New Approach for Helper Selection and Performance Analysis in Poisson CoopMAC Networks. IEEE Transactions on Wireless Communications, 2017, 16, 8105-8117.	6.1	0
60	Exact throughput analysis of random cooperative medium access control networks in the presence of shadowing. IET Communications, 2017, 11, 2261-2268.	1.5	0
61	Stable multi-player evolutionary game for two-choice resource allocation problems. IET Control Theory and Applications, 2019, 13, 1211-1218.	1.2	0
62	A Stackelberg Based Leadership Algorithm for RAT Selection in Heterogeneous Networks. , 2021, , .		0