Mohsen Sardari

List of Publications by Year
in descending order

24 papers	519 citations	2258059 3 h-index	2550090 3 g-index
24 all docs	24 docs citations	24 times ranked	362 citing authors

#	Article	IF	Citations
1	Packet-Level Network Compression: Realization and Scaling of the Network-Wide Benefits. IEEE/ACM Transactions on Networking, 2016, 24, 1588-1604.	3.8	6
2	Decode and forward relaying in diffusion-based molecular communication between two populations of biological agents. , 2014, , .		25
3	Packet-level clustering for memory-assisted compression of network packets. , 2014, , .		1
4	On optimality of data clustering for packet-level memory-assisted compression of network traffic. , 2014, , .		1
5	Mismatched side information in wireless network compression via overhearing helpers. , 2014, , .		1
6	A memory-assisted lossless compression algorithm for medical images. , 2014, , .		6
7	Multilevel Diversity Coding via Rateless Codes for Reliable and Scalable Video Multicasting. IEEE Communications Letters, 2013, 17, 956-959.	4.1	5
8	Wireless network compression: Code design and trade offs. , 2013, , .		2
9	Design and Analysis of Wireless Communication Systems Using Diffusion-Based Molecular Communication Among Bacteria. IEEE Transactions on Wireless Communications, 2013, 12, 6096-6105.	9.2	63
10	Results on the optimal memory-assisted universal compression performance for mixture sources. , 2013, , .		5
11	Relaying in diffusion-based molecular communication. , 2013, , .		62
12	Content-aware network data compression using joint memorization and clustering. , 2013, , .		8
13	Results on the fundamental gain of memory-assisted universal source coding. , 2012, , .		14
14	Collective sensing-capacity of bacteria populations. , 2012, , .		15
15	Memory-assisted universal compression of network flows. , 2012, , .		12
16	Data gathering in networks of bacteria colonies: Collective sensing and relaying using molecular communication. , 2012, , .		28
17	Molecular communication between two populations of bacteria. , 2012, , .		9
18	Capacity of diffusion-based molecular communication with ligand receptors. , 2011, , .		65

#	Article	IF	Citations
19	On the network-wide gain of memory-assisted source coding. , 2011, , .		11
20	Consensus problem under diffusion-based molecular communication. , 2011, , .		17
21	Capacity of discrete molecular diffusion channels. , 2011, , .		85
22	Memory allocation in distributed storage networks. , 2010, , .		27
23	Infocast: A New Paradigm for Collaborative Content Distribution from Roadside Units to Vehicular Networks. , 2009, , .		26
24	DMRC: Dissemination of Multimedia in Vehicular Networks Using Rateless Codes. , 2009, , .		25