

# Mohsen Sardari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10418987/publications.pdf>

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24  
papers

519  
citations

2258059

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2550090

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g-index

24  
all docs

24  
docs citations

24  
times ranked

362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capacity of discrete molecular diffusion channels. , 2011, , .		85
2	Capacity of diffusion-based molecular communication with ligand receptors. , 2011, , .		65
3	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
4	Relaying in diffusion-based molecular communication. , 2013, , .		62
5	Data gathering in networks of bacteria colonies: Collective sensing and relaying using molecular communication. , 2012, , .		28
6	Memory allocation in distributed storage networks. , 2010, , .		27
7	Infocast: A New Paradigm for Collaborative Content Distribution from Roadside Units to Vehicular Networks. , 2009, , .		26
8	DMRC: Dissemination of Multimedia in Vehicular Networks Using Rateless Codes. , 2009, , .		25
9	Decode and forward relaying in diffusion-based molecular communication between two populations of biological agents. , 2014, , .		25
10	Consensus problem under diffusion-based molecular communication. , 2011, , .		17
11	Collective sensing-capacity of bacteria populations. , 2012, , .		15
12	Results on the fundamental gain of memory-assisted universal source coding. , 2012, , .		14
13	Memory-assisted universal compression of network flows. , 2012, , .		12
14	On the network-wide gain of memory-assisted source coding. , 2011, , .		11
15	Molecular communication between two populations of bacteria. , 2012, , .		9
16	Content-aware network data compression using joint memorization and clustering. , 2013, , .		8
17	A memory-assisted lossless compression algorithm for medical images. , 2014, , .		6
18	Packet-Level Network Compression: Realization and Scaling of the Network-Wide Benefits. IEEE/ACM Transactions on Networking, 2016, 24, 1588-1604.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Multilevel Diversity Coding via Rateless Codes for Reliable and Scalable Video Multicasting. IEEE Communications Letters, 2013, 17, 956-959.	4.1	5
20	Results on the optimal memory-assisted universal compression performance for mixture sources. , 2013, , .		5
21	Wireless network compression: Code design and trade offs. , 2013, , .		2
22	Packet-level clustering for memory-assisted compression of network packets. , 2014, , .		1
23	On optimality of data clustering for packet-level memory-assisted compression of network traffic. , 2014, , .		1
24	Mismatched side information in wireless network compression via overhearing helpers. , 2014, , .		1