

Arash Einolghozati

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11807779/publications.pdf>

Version: 2024-02-01

20
papers

437
citations

1684188

5
h-index

2053705

5
g-index

20
all docs

20
docs citations

20
times ranked

282
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	Decode and forward relaying in diffusion-based molecular communication between two populations of biological agents. , 2014, , .		25
7	Consensus problem under diffusion-based molecular communication. , 2011, , .		17
8	Collective sensing-capacity of bacteria populations. , 2012, , .		15
9	Networks of bacteria colonies: A new framework for reliable molecular communication networking. Nano Communication Networks, 2016, 7, 17-26.	2.9	14
10	nanoNS3: A network simulator for bacterial nanonetworks based on molecular communication. Nano Communication Networks, 2017, 12, 1-11.	2.9	13
11	Molecular communication between two populations of bacteria. , 2012, , .		9
12	Analysis of Error-Detection Schemes in Diffusion-Based Molecular Communication. IEEE Journal on Selected Areas in Communications, 2016, 34, 615-624.	14.0	9
13	Privacy-preserving item-based Collaborative Filtering using semi-distributed Belief Propagation. , 2013, , .		7
14	BPRS: Belief Propagation based iterative recommender system. , 2012, , .		6
15	A recommender system based on Belief Propagation over Pairwise Markov Random Fields. , 2012, , .		6
16	Micro-RNA profile detection via factor graphs. , 2016, , .		5
17	Quantization in Molecular Signal Sensing via Biological Agents. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 106-117.	2.1	5
18	Error detection in diffusion-based molecular communication. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Rate-distortion in molecular signal sensing with ligand receptors. , 2015, , .		0
20	Computing framework in biological cells via stochastic methods. , 2017, , .		0