Arash Einolghozati

List of Publications by Year
in descending order

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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	nanoNS3: A network simulator for bacterial nanonetworks based on molecular communication. Nano Communication Networks, 2017, 12, 1-11.	2.9	13
2	Quantization in Molecular Signal Sensing via Biological Agents. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 106-117.	2.1	5
3	Computing framework in biological cells via stochastic methods. , 2017, , .		0
4	Micro-RNA profile detection via factor graphs. , 2016, , .		5
5	Networks of bacteria colonies: A new framework for reliable molecular communication networking. Nano Communication Networks, 2016, 7, 17-26.	2.9	14
6	Analysis of Error-Detection Schemes in Diffusion-Based Molecular Communication. IEEE Journal on Selected Areas in Communications, 2016, 34, 615-624.	14.0	9
7	Error detection in diffusion-based molecular communication. , 2015, , .		3
8	Rate-distortion in molecular signal sensing with ligand receptors. , 2015, , .		0
9	Decode and forward relaying in diffusion-based molecular communication between two populations of biological agents. , 2014, , .		25
10	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
11	Relaying in diffusion-based molecular communication. , 2013, , .		62
12	Privacy-preserving item-based Collaborative Filtering using semi-distributed Belief Propagation. , 2013, , .		7
13	BPRS: Belief Propagation based iterative recommender system. , 2012, , .		6
14	Collective sensing-capacity of bacteria populations. , 2012, , .		15
15	Data gathering in networks of bacteria colonies: Collective sensing and relaying using molecular communication. , 2012, , .		28
16	A recommender system based on Belief Propagation over Pairwise Markov Random Fields. , 2012, , .		6
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	Consensus problem under diffusion-based molecular communication. , 2011, , .		17
20	Capacity of discrete molecular diffusion channels. , 2011, , .		85