Afshin Abdi

List of Publications by Year
in descending order

16 papers	101 citations	2258059 3 h-index	2550090 3 g-index
16 all docs	16 docs citations	16 times ranked	68 citing authors

#	Article	IF	Citations
1	Joint Source-Channel Coding Over Additive Noise Analog Channels Using Mixture of Variational Autoencoders. IEEE Journal on Selected Areas in Communications, 2021, 39, 2000-2013.	14.0	18
2	Analog Compression and Communication for Federated Learning over Wireless MAC. , 2020, , .		14
3	Analysis of Sparse-integer Measurement Matrices in Compressive Sensing. , 2019, , .		1
4	M to 1 Joint Source-Channel Coding of Gaussian Sources via Dichotomy of the Input Space Based on Deep Learning. , 2019, , .		10
5	Recovering Noisy-Pseudo-Sparse Signals From Linear Measurements via lâˆž. , 2019, , .		0
6	Joint Source-Channel Coding of Gaussian sources over AWGN channels via Manifold Variational Autoencoders. , 2019, , .		9
7	Compressive Sensing with a Multiple Convex Sets Domain. , 2019, , .		2
8	Joint Source-Channel Coding for Gaussian Sources over AWGN Channels using Variational Autoencoders. , 2019, , .		9
9	Advances in Seismic Data Compression via Learning from Data: Compression for Seismic Data Acquisition. IEEE Signal Processing Magazine, 2018, 35, 51-61.	5.6	20
10	Sparse Recovery of Sign Vectors under Uncertain Sensing Matrices. , 2018, , .		2
11	Quantization in Molecular Signal Sensing via Biological Agents. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 106-117.	2.1	5
12	Computing framework in biological cells via stochastic methods. , 2017, , .		0
13	Compressive sensing with energy constraint. , 2017, , .		5
14	Memory-assisted seismic signal compression based on dictionary learning and sparse coding. , 2017, , .		1
15	Micro-RNA profile detection via factor graphs. , 2016, , .		5
16	Near optimal representative subset selection from short sequences generated by a stationary source. , 2016, , .		0