Subhrajit Roy

List of Publications by Year
in descending order

16	1,152	687335	996954
papers	citations	13	15
		h-index	g-index

19	19	19	1255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Adaptive Differential Evolution Algorithm With Novel Mutation and Crossover Strategies for Global Numerical Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 482-500.	5.0	517
2	Epileptic Seizure Prediction Using Big Data and Deep Learning: Toward a Mobile System. EBioMedicine, 2018, 27, 103-111.	6.1	201
3	A Differential Covariance Matrix Adaptation Evolutionary Algorithm for real parameter optimization. Information Sciences, 2012, 182, 199-219.	6.9	83
4	ChronoNet: A Deep Recurrent Neural Network for Abnormal EEG Identification. Lecture Notes in Computer Science, 2019, , 47-56.	1.3	77
5	Seizure detection using wearable sensors and machine learning: Setting a benchmark. Epilepsia, 2021, 62, 1807-1819.	5.1	56
6	Multimodal optimization by artificial weed colonies enhanced with localized group search optimizers. Applied Soft Computing Journal, 2013, 13, 27-46.	7.2	45
7	Liquid State Machine With Dendritically Enhanced Readout for Low-Power, Neuromorphic VLSI Implementations. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8, 681-695.	4.0	38
8	SeizureNet: Multi-Spectral Deep Feature Learning for Seizure Type Classification. Lecture Notes in Computer Science, 2020, , 77-87.	1.3	35
9	An Online Unsupervised Structural Plasticity Algorithm for Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 900-910.	11.3	27
10	An Online Structural Plasticity Rule for Generating Better Reservoirs. Neural Computation, 2016, 28, 2557-2584.	2.2	20
11	Spiking Neural Classifier with Lumped Dendritic Nonlinearity and Binary Synapses: A Current Mode VLSI Implementation and Analysis. Neural Computation, 2018, 30, 723-760.	2.2	16
12	Learning Spike Time Codes Through Morphological Learning With Binary Synapses. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1572-1577.	11.3	15
13	A simulated weed colony system with subregional differential evolution for multimodal optimization. Engineering Optimization, 2013, 45, 459-481.	2.6	14
14	A low-voltage, low power STDP synapse implementation using domain-wall magnets for spiking neural networks. , 2016, , .		6
15	Adaptive Differential Evolution with p-Best Crossover for Continuous Global Optimization. Lecture Notes in Computer Science, 2010, , 119-128.	1.3	0
16	A Modified Differential Evolution for Symbol Detection in MIMO-OFDM System. Lecture Notes in Computer Science, 2013, , 236-247.	1.3	0