

# Subhrajit Roy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5302050/publications.pdf>

Version: 2024-02-01

16  
papers

1,152  
citations

777949

13  
h-index

1113639

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seizure detection using wearable sensors and machine learning: Setting a benchmark. <i>Epilepsia</i> , 2021, 62, 1807-1819.	2.6	56
2	SeizureNet: Multi-Spectral Deep Feature Learning for Seizure Type Classification. <i>Lecture Notes in Computer Science</i> , 2020, , 77-87.	1.0	35
3	ChronoNet: A Deep Recurrent Neural Network for Abnormal EEG Identification. <i>Lecture Notes in Computer Science</i> , 2019, , 47-56.	1.0	77
4	Epileptic Seizure Prediction Using Big Data and Deep Learning: Toward a Mobile System. <i>EBioMedicine</i> , 2018, 27, 103-111.	2.7	201
5	Spiking Neural Classifier with Lumped Dendritic Nonlinearity and Binary Synapses: A Current Mode VLSI Implementation and Analysis. <i>Neural Computation</i> , 2018, 30, 723-760.	1.3	16
6	An Online Unsupervised Structural Plasticity Algorithm for Spiking Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 900-910.	7.2	27
7	An Online Structural Plasticity Rule for Generating Better Reservoirs. <i>Neural Computation</i> , 2016, 28, 2557-2584.	1.3	20
8	A low-voltage, low power STDP synapse implementation using domain-wall magnets for spiking neural networks. , 2016, , .		6
9	Learning Spike Time Codes Through Morphological Learning With Binary Synapses. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 1572-1577.	7.2	15
10	Liquid State Machine With Dendritically Enhanced Readout for Low-Power, Neuromorphic VLSI Implementations. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014, 8, 681-695.	2.7	38
11	Multimodal optimization by artificial weed colonies enhanced with localized group search optimizers. <i>Applied Soft Computing Journal</i> , 2013, 13, 27-46.	4.1	45
12	A simulated weed colony system with subregional differential evolution for multimodal optimization. <i>Engineering Optimization</i> , 2013, 45, 459-481.	1.5	14
13	A Modified Differential Evolution for Symbol Detection in MIMO-OFDM System. <i>Lecture Notes in Computer Science</i> , 2013, , 236-247.	1.0	0
14	A Differential Covariance Matrix Adaptation Evolutionary Algorithm for real parameter optimization. <i>Information Sciences</i> , 2012, 182, 199-219.	4.0	83
15	An Adaptive Differential Evolution Algorithm With Novel Mutation and Crossover Strategies for Global Numerical Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012, 42, 482-500.	5.5	517
16	Adaptive Differential Evolution with p-Best Crossover for Continuous Global Optimization. <i>Lecture Notes in Computer Science</i> , 2010, , 119-128.	1.0	0