

Bogdan Penkovsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8067381/publications.pdf>

Version: 2024-02-01

12
papers

771
citations

1040056

9
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Reservoir computing with biocompatible organic electrochemical networks for brain-inspired biosignal classification. <i>Science Advances</i> , 2021, 7, eabh0693.	10.3	72
2	Hardware-Efficient Stochastic Binary CNN Architectures for Near-Sensor Computing. <i>Frontiers in Neuroscience</i> , 2021, 15, 781786.	2.8	4
3	In-Memory Resistive RAM Implementation of Binarized Neural Networks for Medical Applications. , 2020, , .		5
4	Stochastic Computing for Hardware Implementation of Binarized Neural Networks. <i>IEEE Access</i> , 2019, 7, 76394-76403.	4.2	26
5	Coupled Nonlinear Delay Systems as Deep Convolutional Neural Networks. <i>Physical Review Letters</i> , 2019, 123, 054101.	7.8	29
6	Implementing Binarized Neural Networks with Magnetoresistive RAM without Error Correction. , 2019, , .		10
7	Digital Biologically Plausible Implementation of Binarized Neural Networks With Differential Hafnium Oxide Resistive Memory Arrays. <i>Frontiers in Neuroscience</i> , 2019, 13, 1383.	2.8	51
8	Efficient design of hardware-enabled reservoir computing in FPGAs. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	27
9	Two-dimensional spatiotemporal complexity in dual-delayed nonlinear feedback systems: Chimeras and dissipative solitons. <i>Chaos</i> , 2018, 28, 103106.	2.5	21
10	Tutorial: Photonic neural networks in delay systems. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	91
11	Laser chimeras as a paradigm for multistable patterns in complex systems. <i>Nature Communications</i> , 2015, 6, 7752.	12.8	156
12	Virtual Chimera States for Delayed-Feedback Systems. <i>Physical Review Letters</i> , 2013, 111, 054103.	7.8	279