

Bogdan Penkovsky

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

771
citations

1040056

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12
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12
times ranked

692
citing authors

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