

Bruno Boaretto

List of Publications by Year in descending order

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21
papers

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932766

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1058022

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all docs

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docs citations

21
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuron dynamics variability and anomalous phase synchronization of neural networks. <i>Chaos</i> , 2018, 28, 106304.	1.0	29
2	Mechanism for explosive synchronization of neural networks. <i>Physical Review E</i> , 2019, 100, 052301.	0.8	17
3	Detection of nonstationary transition to synchronized states of a neural network using recurrence analyses. <i>Physical Review E</i> , 2017, 96, 012320.	0.8	17
4	Synchronization domains in two coupled neural networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 75, 140-151.	1.7	16
5	Suppression of anomalous synchronization and nonstationary behavior of neural network under small-world topology. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 497, 126-138.	1.2	15
6	Temperature dependence of phase and spike synchronization of neural networks. <i>Chaos, Solitons and Fractals</i> , 2019, 123, 35-42.	2.5	15
7	Maximum entropy principle in recurrence plot analysis on stochastic and chaotic systems. <i>Chaos</i> , 2020, 30, 043123.	1.0	15
8	The role of individual neuron ion conductances in the synchronization processes of neuron networks. <i>Neural Networks</i> , 2021, 137, 97-105.	3.3	14
9	Discriminating chaotic and stochastic time series using permutation entropy and artificial neural networks. <i>Scientific Reports</i> , 2021, 11, 15789.	1.6	14
10	Phase synchronization and intermittent behavior in healthy and Alzheimer-affected human-brain-based neural network. <i>Physical Review E</i> , 2019, 99, 022402.	0.8	12
11	Nonstationary transition to phase synchronization of neural networks induced by the coupling architecture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 507, 321-334.	1.2	10
12	Synchronous patterns and intermittency in a network induced by the rewiring of connections and coupling. <i>Chaos</i> , 2019, 29, 123132.	1.0	9
13	Bistability in the synchronization of identical neurons. <i>Physical Review E</i> , 2021, 104, 024204.	0.8	9
14	Synchronization malleability in neural networks under a distance-dependent coupling. <i>Physical Review Research</i> , 2020, 2, .	1.3	5
15	A direct method to detect deterministic and stochastic properties of data. <i>New Journal of Physics</i> , 2022, 24, 033027.	1.2	5
16	Protocol for suppression of phase synchronization in Hodgkin-Huxley-type networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121388.	1.2	4
17	Evaluating Temporal Correlations in Time Series Using Permutation Entropy, Ordinal Probabilities and Machine Learning. <i>Entropy</i> , 2021, 23, 1025.	1.1	4
18	Phase-locking intermittency induced by dynamical heterogeneity in networks of thermosensitive neurons. <i>Chaos</i> , 2021, 31, 083121.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Investigation of Details in the Transition to Synchronization in Complex Networks by Using Recurrence Analysis. <i>Mathematical and Computational Applications</i> , 2019, 24, 42.	0.7	2
20	Suppression of Phase Synchronization in Scale-Free Neural Networks Using External Pulsed Current Protocols. <i>Mathematical and Computational Applications</i> , 2019, 24, 46.	0.7	1
21	The role of synchronization in neural systems and their consequence to the neural behavior. <i>Physics of Life Reviews</i> , 2021, 36, 68-70.	1.5	1