Bruno Boaretto

List of Publications by Year
in descending order

21 papers	**217** citations

932766

10 h-index

1058022

14 g-index

21 all docs	**21** docs citations
21 times ranked	**134** citing authors

#	Article	IF	Citations
1	A direct method to detect deterministic and stochastic properties of data. New Journal of Physics, 2022, 24, 033027.	1.2	5
2	The role of synchronization in neural systems and their consequence to the neural behavior. Physics of Life Reviews, 2021, 36, 68-70.	1.5	1
3	The role of individual neuron ion conductances in the synchronization processes of neuron networks. Neural Networks, 2021, 137, 97-105.	3.3	14
4	Discriminating chaotic and stochastic time series using permutation entropy and artificial neural networks. Scientific Reports, 2021, 11, 15789.	1.6	14
5	Bistability in the synchronization of identical neurons. Physical Review E, 2021, 104, 024204.	0.8	9
6	Evaluating Temporal Correlations in Time Series Using Permutation Entropy, Ordinal Probabilities and Machine Learning. Entropy, 2021, 23, 1025.	1.1	4
7	Phase-locking intermittency induced by dynamical heterogeneity in networks of thermosensitive neurons. Chaos, 2021, 31, 083121.	1.0	3
8	Maximum entropy principle in recurrence plot analysis on stochastic and chaotic systems. Chaos, 2020, 30, 043123.	1.0	15
9	Synchronization malleability in neural networks under a distance-dependent coupling. Physical Review Research, 2020, 2, .	1.3	5
10	Mechanism for explosive synchronization of neural networks. Physical Review E, 2019, 100, 052301.	0.8	17
11	Protocol for suppression of phase synchronization in Hodgkin–Huxley-type networks. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121388.	1.2	4
12	Investigation of Details in the Transition to Synchronization in Complex Networks by Using Recurrence Analysis. Mathematical and Computational Applications, 2019, 24, 42.	0.7	2
13	Suppression of Phase Synchronization in Scale-Free Neural Networks Using External Pulsed Current Protocols. Mathematical and Computational Applications, 2019, 24, 46.	0.7	1
14	Synchronization domains in two coupled neural networks. Communications in Nonlinear Science and Numerical Simulation, 2019, 75, 140-151.	1.7	16
15	Temperature dependence of phase and spike synchronization of neural networks. Chaos, Solitons and Fractals, 2019, 123, 35-42.	2.5	15
16	Synchronous patterns and intermittency in a network induced by the rewiring of connections and coupling. Chaos, 2019, 29, 123132.	1.0	9
17	Phase synchronization and intermittent behavior in healthy and Alzheimer-affected human-brain-based neural network. Physical Review E, 2019, 99, 022402.	0.8	12
18	Suppression of anomalous synchronization and nonstationary behavior of neural network under small-world topology. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 126-138.	1.2	15

#	Article	IF	Citations
19	Neuron dynamics variability and anomalous phase synchronization of neural networks. Chaos, 2018, 28, 106304.	1.0	29
20	Nonstationary transition to phase synchronization of neural networks induced by the coupling architecture. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 321-334.	1.2	10
21	Detection of nonstationary transition to synchronized states of a neural network using recurrence analyses. Physical Review E, 2017, 96, 012320.	0.8	17