

Fatemeh Parastesh

List of Publications by Year in descending order

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papers

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304602

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644
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Memristive Neuron Map Model and Its Network's Dynamics under Electrochemical Coupling. <i>Electronics (Switzerland)</i> , 2022, 11, 153.	1.8	30
2	Synchronization in Hindmarsh-Rose neurons subject to higher-order interactions. <i>Chaos</i> , 2022, 32, 013125.	1.0	61
3	Relay interlayer synchronisation: invariance and stability conditions. <i>Nonlinearity</i> , 2022, 35, 681-718.	0.6	11
4	Synchronization in a Multiplex Network of Nonidentical Fractional-Order Neurons. <i>Fractal and Fractional</i> , 2022, 6, 169.	1.6	10
5	Blinking coupling enhances network synchronization. <i>Physical Review E</i> , 2022, 105, .	0.8	36
6	Chimeras. <i>Physics Reports</i> , 2021, 898, 1-114.	10.3	172
7	Role of links on the structural properties of different network topologies. <i>Europhysics Letters</i> , 2021, 133, 40001.	0.7	4
8	Chimera state in a network of nonlocally coupled impact oscillators. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 235-244.	1.3	2
9	Collective behavior in a two-layer neuronal network with time-varying chemical connections that are controlled by a Petri net. <i>Chaos</i> , 2021, 31, 033138.	1.0	28
10	Simplest symmetric chaotic flows: the strange case of asymmetry in Master Stability Function. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1999-2010.	1.2	3
11	Chimera State in the Network of Fractional-Order FitzHugh-Nagumo Neurons. <i>Complexity</i> , 2021, 2021, 1-9.	0.9	15
12	Effects of autapse on the chimera state in a Hindmarsh-Rose neuronal network. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111498.	2.5	23
13	Synchronization and chimera states in the network of electrochemically coupled memristive Rulkov neuron maps. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 9394-9409.	1.0	26
14	Time delayed chemical synapses and synchronization in multilayer neuronal networks with ephaptic inter-layer coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 84, 105175.	1.7	57
15	Extended non-stationary chimera-like region in a network of non-identical coupled Van der Pol's oscillators. <i>European Physical Journal: Special Topics</i> , 2020, 229, 2239-2247.	1.2	2
16	Is There a Relation Between Synchronization Stability and Bifurcation Type?. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050123.	0.7	6
17	Complete dynamical analysis of a neocortical network model. <i>Nonlinear Dynamics</i> , 2020, 100, 2699-2714.	2.7	20
18	Firing patterns of an improved Izhikevich neuron model under the effect of electromagnetic induction and noise. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109782.	2.5	66

#	ARTICLE	IF	CITATIONS
19	A fractional-order model for the novel coronavirus (COVID-19) outbreak. <i>Nonlinear Dynamics</i> , 2020, 101, 711-718.	2.7	119
20	Wave propagation and spiral wave formation in a Hindmarsh-Rose neuron model with fractional-order threshold memristor synaps. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050157.	1.0	27
21	Delay-induced synchronization in two coupled chaotic memristive Hopfield neural networks. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109702.	2.5	38
22	Chimeras in an adaptive neuronal network with burst-timing-dependent plasticity. <i>Neurocomputing</i> , 2020, 406, 117-126.	3.5	31
23	Observation of chimera patterns in a network of symmetric chaotic finance systems. <i>Communications in Theoretical Physics</i> , 2020, 72, 105003.	1.1	5
24	Detecting chimeras by eigenvalue decomposition of the bivariate local order parameter. <i>Europhysics Letters</i> , 2020, 130, 28003.	0.7	4
25	Transitions from chimeras to coherence: An analytical approach by means of the coherent stability function. <i>Physical Review E</i> , 2019, 100, 012315.	0.8	20
26	Traveling patterns in a network of memristor-based oscillators with extreme multistability. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2123-2131.	1.2	26
27	Chimera in a network of memristor-based Hopfield neural network. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2023-2033.	1.2	36
28	Synchronization patterns in a blinking multilayer neuronal network. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2465-2474.	1.2	12
29	Dynamical behavior and network analysis of an extended Hindmarsh-Rose neuron model. <i>Nonlinear Dynamics</i> , 2019, 98, 477-487.	2.7	36
30	Synchronizability of two neurons with switching in the coupling. <i>Applied Mathematics and Computation</i> , 2019, 350, 217-223.	1.4	76
31	Spiral waves in externally excited neuronal network: Solvable model with a monotonically differentiable magnetic flux. <i>Chaos</i> , 2019, 29, 043109.	1.0	32
32	The role of coupling factors on the emergence of synchronization and chimera patterns in network of non-locally coupled pancreatic β -cells. <i>Europhysics Letters</i> , 2019, 125, 60001.	0.7	11
33	Different properties of neuronal networks matter for the emergence of chimera states. <i>Physics of Life Reviews</i> , 2019, 28, 128-130.	1.5	1
34	Birth and death of spiral waves in a network of Hindmarsh-Rose neurons with exponential magnetic flux and excitable media. <i>Applied Mathematics and Computation</i> , 2019, 354, 377-384.	1.4	36
35	Effects of partial time delays on synchronization patterns in Izhikevich neuronal networks. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	50
36	Imperfect chimeras in a ring of four-dimensional simplified Lorenz systems. <i>Chaos, Solitons and Fractals</i> , 2018, 110, 203-208.	2.5	36

#	ARTICLE	IF	CITATIONS
37	Nonstationary chimeras in a neuronal network. <i>Europhysics Letters</i> , 2018, 123, 48003.	0.7	61
38	Effects of different initial conditions on the emergence of chimera states. <i>Chaos, Solitons and Fractals</i> , 2018, 114, 306-311.	2.5	41
39	Complex dynamics of a neuron model with discontinuous magnetic induction and exposed to external radiation. <i>Cognitive Neurodynamics</i> , 2018, 12, 607-614.	2.3	48
40	Equivalent synchronization patterns in chaotic jerk systems. <i>Europhysics Letters</i> , 0, , .	0.7	0
41	An optimization method to keep synchronization features when decreasing network nodes. <i>European Physical Journal: Special Topics</i> , 0, , .	1.2	1