

Alireza Valizadeh

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

802
citations

623734

14
h-index

610901

24
g-index

53
all docs

53
docs citations

53
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Translation on Text Coherence: A Quantitative Study. Journal of Quantitative Linguistics, 2022, 29, 151-164.	1.2	1
2	The Origin of Abnormal Beta Oscillations in the Parkinsonian Corticobasal Ganglia Circuits. Parkinson's Disease, 2022, 2022, 1-13.	1.1	11
3	Spike-Timing-Dependent Plasticity Mediated by Dopamine and its Role in Parkinson's Disease Pathophysiology. Frontiers in Network Physiology, 2022, 2, .	1.8	18
4	Role of Interaction Delays in the Synchronization of Inhibitory Networks. Neural Computation, 2022, 34, 1425-1447.	2.2	5
5	Excitatory deep brain stimulation quenches beta oscillations arising in a computational model of the subthalamo-pallidal loop. Scientific Reports, 2022, 12, 7845.	3.3	6
6	Inhibitory Spike-Timing-Dependent Plasticity Can Account for Pathological Strengthening of Pallido-Subthalamic Synapses in Parkinson's Disease. Frontiers in Physiology, 2022, 13, .	2.8	14
7	Frequency-Resolved Functional Connectivity: Role of Delay and the Strength of Connections. Frontiers in Neural Circuits, 2021, 15, 608655.	2.8	4
8	Transmission delays and frequency detuning can regulate information flow between brain regions. PLoS Computational Biology, 2021, 17, e1008129.	3.2	69
9	Information Transmission in Delay-Coupled Neuronal Circuits in the Presence of a Relay Population. Frontiers in Systems Neuroscience, 2021, 15, 705371.	2.5	1
10	Facilitating the propagation of spiking activity in feedforward networks by including feedback. PLoS Computational Biology, 2020, 16, e1008033.	3.2	18
11	Frequency-dependent organization of the brain's functional network through delayed-interactions. Neural Networks, 2020, 132, 155-165.	5.9	16
12	Dynamic modeling of major depressive disorder: Calculating the rate of occurrence and recurrence. Advances in Cognitive Science, 2020, 21, 33-45.	0.1	0
13	Facilitating the propagation of spiking activity in feedforward networks by including feedback. , 2020, 16, e1008033.		0
14	Facilitating the propagation of spiking activity in feedforward networks by including feedback. , 2020, 16, e1008033.		0
15	Facilitating the propagation of spiking activity in feedforward networks by including feedback. , 2020, 16, e1008033.		0
16	Facilitating the propagation of spiking activity in feedforward networks by including feedback. , 2020, 16, e1008033.		0
17	Dopaminergic Modulation of Synaptic Plasticity, Its Role in Neuropsychiatric Disorders, and Its Computational Modeling. Basic and Clinical Neuroscience, 2019, 10, 1-12.	0.6	24
18	High frequency neurons determine effective connectivity in neuronal networks. NeuroImage, 2018, 166, 349-359.	4.2	29

#	ARTICLE	IF	CITATIONS
19	Propagation delays determine neuronal activity and synaptic connectivity patterns emerging in plastic neuronal networks. <i>Chaos</i> , 2018, 28, 106308.	2.5	28
20	Dendritic and Axonal Propagation Delays May Shape Neuronal Networks With Plastic Synapses. <i>Frontiers in Physiology</i> , 2018, 9, 1849.	2.8	44
21	Coexistence of scale-invariant and rhythmic behavior in self-organized criticality. <i>Physical Review E</i> , 2018, 98, 022304.	2.1	7
22	Robustness of functional networks at criticality against structural defects. <i>Physical Review E</i> , 2018, 98, 022312.	2.1	10
23	Delay-Induced Multistability and Loop Formation in Neuronal Networks with Spike-Timing-Dependent Plasticity. <i>Scientific Reports</i> , 2018, 8, 12068.	3.3	40
24	Dendritic and Axonal Propagation Delays Determine Emergent Structures of Neuronal Networks with Plastic Synapses. <i>Scientific Reports</i> , 2017, 7, 39682.	3.3	48
25	Synchronization of oscillators through time-shifted common inputs. <i>Physical Review E</i> , 2017, 95, 032207.	2.1	19
26	Refractory period in network models of excitable nodes: self-sustaining stable dynamics, extended scaling region and oscillatory behavior. <i>Scientific Reports</i> , 2017, 7, 7107.	3.3	19
27	Stimulus-dependent synchronization in delayed-coupled neuronal networks. <i>Scientific Reports</i> , 2016, 6, 23471.	3.3	40
28	25th Annual Computational Neuroscience Meeting: CNS-2016. <i>BMC Neuroscience</i> , 2016, 17, 54.	1.9	81
29	Functional scale-free networks in the two-dimensional Abelian sandpile model. <i>Physical Review E</i> , 2015, 92, 012822.	2.1	3
30	Transient synchrony in delayed coupled neuronal networks. <i>BMC Neuroscience</i> , 2015, 16, .	1.9	0
31	Stabilizing synchrony with heterogeneity. <i>BMC Neuroscience</i> , 2015, 16, .	1.9	0
32	Stabilizing synchrony by inhomogeneity. <i>Scientific Reports</i> , 2015, 5, 13854.	3.3	6
33	Self-organization of synchronous activity propagation in neuronal networks driven by local excitation. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 69.	2.1	23
34	Zero-Lag Synchronization Despite Inhomogeneities in a Relay System. <i>PLoS ONE</i> , 2014, 9, e112688.	2.5	19
35	Synchronization of delayed coupled neurons in presence of inhomogeneity. <i>Journal of Computational Neuroscience</i> , 2014, 36, 55-66.	1.0	35
36	Direct connections assist neurons to detect correlation in small amplitude noises. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 108.	2.1	7

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37	Smoothed particle hydrodynamics simulations of turbulence in fixed and rotating boxes in two dimensions with no-slip boundaries. <i>Physics of Fluids</i> , 2012, 24, 035107.	4.0	12
38	Effect of synaptic plasticity on the structure and dynamics of disordered networks of coupled neurons. <i>Physical Review E</i> , 2012, 86, 011925.	2.1	24
39	Effect of duration of synaptic activity on spike rate of a Hodgkin-Huxley neuron with delayed feedback. <i>Physical Review E</i> , 2012, 85, 021917.	2.1	73
40	Enhanced response of regular networks to local signals in the presence of a fast impurity. <i>Physical Review E</i> , 2012, 86, 016101.	2.1	3
41	Rectified motion of a Bose-Einstein condensate in a horizontally vibrating shallow optical lattice. <i>Physical Review A</i> , 2011, 83, .	2.5	6
42	Rotating Bose-Einstein condensate in an optical lattice: Formulation of vortex configuration for the ground state. <i>Physica B: Condensed Matter</i> , 2011, 406, 1017-1021.	2.7	2
43	Dynamics of a Bose-Einstein condensate in a horizontally vibrating shallow optical lattice. <i>Physical Review A</i> , 2010, 81, .	2.5	3
44	Single phase-slip junction site can synchronize a parallel superconducting array of linearly coupled Josephson junctions. <i>Physical Review B</i> , 2010, 82, .	3.2	11
45	On the Origin of Fractional Shapiro Steps in Systems of Josephson Junctions with Few Degrees of Freedom. <i>Journal of Nonlinear Mathematical Physics</i> , 2008, 15, 407.	1.3	11
46	Fractional Shapiro steps in a triangular single-plaquette Josephson-junction array. <i>Physical Review B</i> , 2007, 76, .	3.2	5
47	Are all the word ranking methods the same?. <i>International Journal of Modern Physics C</i> , 0, , 2150144.	1.7	0