

Ying Wu

List of Publications by Year in descending order

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70
papers

1,216
citations

393982

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71
all docs

71
docs citations

71
times ranked

895
citing authors

#	ARTICLE	IF	CITATIONS
1	Segregation, integration, and balance of large-scale resting brain networks configure different cognitive abilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	88
2	Hierarchical Connectome Modes and Critical State Jointly Maximize Human Brain Functional Diversity. <i>Physical Review Letters</i> , 2019, 123, 038301.	2.9	73
3	Global and local brain network reorganization in attention-deficit/hyperactivity disorder. <i>Brain Imaging and Behavior</i> , 2014, 8, 558-569.	1.1	69
4	Emitting waves from defects in network with autapses. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 23, 164-174.	1.7	67
5	Channel noise-induced phase transition of spiral wave in networks of Hodgkin-Huxley neurons. <i>Science Bulletin</i> , 2011, 56, 151-157.	1.7	57
6	Transition from spiral wave to target wave and other coherent structures in the networks of Hodgkin-Huxley neurons. <i>Applied Mathematics and Computation</i> , 2010, 217, 3844-3852.	1.4	53
7	Dynamic transition of neuronal firing induced by abnormal astrocytic glutamate oscillation. <i>Scientific Reports</i> , 2016, 6, 32343.	1.6	45
8	Autapse-Induced Spiral Wave in Network of Neurons under Noise. <i>PLoS ONE</i> , 2014, 9, e100849.	1.1	44
9	Suppression of firing activities in neuron and neurons of network induced by electromagnetic radiation. <i>Nonlinear Dynamics</i> , 2016, 83, 801-810.	2.7	42
10	Firing properties and synchronization rate in fractional-order Hindmarsh-Rose model neurons. <i>Science China Technological Sciences</i> , 2014, 57, 914-922.	2.0	41
11	The dynamic behavior of spiral waves in stochastic Hodgkin-Huxley neuronal networks with ion channel blocks. <i>Nonlinear Dynamics</i> , 2013, 73, 1055-1063.	2.7	30
12	The influence of potassium concentration on epileptic seizures in a coupled neuronal model in the hippocampus. <i>Cognitive Neurodynamics</i> , 2016, 10, 405-414.	2.3	30
13	Spectral properties of the temporal evolution of brain network structure. <i>Chaos</i> , 2015, 25, 123112.	1.0	28
14	Astrocytic Kir4.1 channels and gap junctions account for spontaneous epileptic seizure. <i>PLoS Computational Biology</i> , 2018, 14, e1005877.	1.5	28
15	Transition of spatiotemporal patterns in neuronal networks with chemical synapses. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 40, 80-88.	1.7	26
16	Modeling and active vibration control of lattice grid beam with piezoelectric fiber composite using fractional order PD ^{1/4} algorithm. <i>Composite Structures</i> , 2018, 198, 126-134.	3.1	26
17	Emergence of spiral wave induced by defects block. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 1665-1675.	1.7	25
18	Noise-induced spatiotemporal patterns in Hodgkin-Huxley neuronal network. <i>Cognitive Neurodynamics</i> , 2013, 7, 431-440.	2.3	20

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19	Generalized finite-time synchronization between coupled chaotic systems of different orders with unknown parameters. <i>Nonlinear Dynamics</i> , 2013, 74, 479-485.	2.7	20
20	Dynamical response of a neuron-astrocyte coupling system under electromagnetic induction and external stimulation*. <i>Chinese Physics B</i> , 2020, 29, 030504.	0.7	20
21	Emergence of target waves in neuronal networks due to diverse forcing currents. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1126-1138.	2.0	19
22	Detection of ordered wave in the networks of neurons with changeable connection. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 952-959.	2.0	19
23	Generalized synchronization induced by noise and parameter mismatching in Hindmarsh-Rose neurons. <i>Chaos, Solitons and Fractals</i> , 2005, 23, 1605-1611.	2.5	18
24	Default mode and visual network activity in an attention task: Direct measurement with intracranial EEG. <i>NeuroImage</i> , 2019, 201, 116003.	2.1	18
25	Astrocyte and ions metabolism during epileptogenesis: A review for modeling studies*. <i>Chinese Physics B</i> , 2020, 29, 038701.	0.7	18
26	Crisis of interspike intervals in Hodgkin-Huxley model. <i>Chaos, Solitons and Fractals</i> , 2006, 27, 952-958.	2.5	17
27	Dynamic transition on the seizure-like neuronal activity by astrocytic calcium channel block. <i>Chaos, Solitons and Fractals</i> , 2016, 91, 702-708.	2.5	17
28	Random matrix theory for analyzing the brain functional network in attention deficit hyperactivity disorder. <i>Physical Review E</i> , 2016, 94, 052411.	0.8	17
29	A Route to Chaotic Behavior of Single Neuron Exposed to External Electromagnetic Radiation. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 94.	1.2	16
30	Electric Field-induced dynamical evolution of spiral wave in the regular networks of Hodgkin-Huxley neurons. <i>Applied Mathematics and Computation</i> , 2011, 218, 4467-4474.	1.4	15
31	Astrocytic Gliotransmitter: Diffusion Dynamics and Induction of Information Processing on Tripartite Synapses. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650138.	0.7	15
32	Rate of afferent stimulus dependent synchronization and coding in coupled neurons system. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 1221-1229.	2.5	12
33	A one-dimensional constitutive model for NiTi shape memory alloys considering inelastic strains caused by the R-phase transformation. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159192.	2.8	12
34	Flexible Brain Transitions Between Hierarchical Network Segregation and Integration Associated With Cognitive Performance During a Multisource Interference Task. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 1835-1846.	3.9	12
35	A tensile-compressive asymmetry model for shape memory alloys with a redefined martensite internal variable. <i>Smart Materials and Structures</i> , 2019, 28, 105050.	1.8	11
36	A neglected GABAergic astrocyte: Calcium dynamics and involvement in seizure activity. <i>Science China Technological Sciences</i> , 2017, 60, 1003-1010.	2.0	10

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37	Design and Experimental Research of a Rotary Micro-Actuator Based on a Shearing Piezoelectric Stack. <i>Micromachines</i> , 2019, 10, 96.	1.4	10
38	Exploring Dynamic Temporal-Topological Structure of Brain Network Within ADHD. <i>Advances in Cognitive Neurodynamics</i> , 2015, , 93-98.	0.1	10
39	Hierarchical integrated and segregated processing in the functional brain default mode network within attention-deficit/hyperactivity disorder. <i>PLoS ONE</i> , 2019, 14, e0222414.	1.1	9
40	Spontaneous Electromagnetic Induction Modulating the Neuronal Dynamical Response. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950005.	0.7	9
41	Spontaneous electromagnetic induction promotes the formation of economical neuronal network structure via self-organization process. <i>Scientific Reports</i> , 2019, 9, 9698.	1.6	8
42	Dynamic Transitions in Neuronal Network Firing Sustained by Abnormal Astrocyte Feedback. <i>Neural Plasticity</i> , 2020, 2020, 1-13.	1.0	7
43	Establishment of assay method and trimester-specific reference intervals for thyroid hormones during pregnancy in Chengdu, China. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23763.	0.9	7
44	Theoretical analysis on the adaptive vibration attenuation of a fixed-fixed beam realized by a piezo-shape memory alloy ferrule. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2079-2090.	1.4	6
45	A Temperature-Dependent Model of Shape Memory Alloys Considering Tensile-Compressive Asymmetry and the Ratcheting Effect. <i>Materials</i> , 2020, 13, 3116.	1.3	6
46	Channel block of the astrocyte network connections accounting for the dynamical transition of epileptic seizures. <i>Nonlinear Dynamics</i> , 2021, 105, 3571-3583.	2.7	6
47	Synchronous Behaviors of Two Coupled Neurons. <i>Lecture Notes in Computer Science</i> , 2005, , 302-307.	1.0	5
48	Chaos synchronization between the coupled systems on network with unknown parameters. <i>Applied Mathematics and Computation</i> , 2014, 229, 254-259.	1.4	5
49	Application of complex network method to spatiotemporal patterns in a neuronal network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 463, 219-230.	1.2	5
50	Stress fields and effective modulus of piezoelectric fiber composite with arbitrary shaped inclusion under in-plane mechanical and anti-plane electric loadings. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 3180-3199.	1.5	5
51	Lifespan associations of resting-state brain functional networks with ADHD symptoms. <i>IScience</i> , 2022, 25, 104673.	1.9	5
52	Structure and dynamics of self-organized neuronal network with an improved STDP rule. <i>Nonlinear Dynamics</i> , 2017, 88, 1855-1868.	2.7	4
53	A new approach for electro-elastic analysis of piezoelectric fiber composites with arbitrary shaped inclusions under anti-plane shear and in-plane electric loadings. <i>Smart Materials and Structures</i> , 2019, 28, 075030.	1.8	4
54	An electromechanical cohesive zone model merging with contact and friction effects for fiber debonding and pushing-out in piezoelectric fiber composites. <i>Applied Mathematical Modelling</i> , 2021, 95, 1-21.	2.2	4

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55	Astrocytic modulation on neuronal electric mode selection induced by magnetic field effect. Cognitive Neurodynamics, 2022, 16, 183-194.	2.3	4
56	Synchronous Behaviors of Hindmarsh-Rose Neurons with Chemical Coupling. Lecture Notes in Computer Science, 2005, , 508-511.	1.0	4
57	Cohesive communities in dynamic brain functional networks. Physical Review E, 2021, 104, 014302.	0.8	3
58	Dynamic mechanism of epileptic seizures generation and propagation after ischemic stroke. Nonlinear Dynamics, 2022, 109, 3113-3132.	2.7	3
59	Stair-Like Frequency Response of Single Neuron to External Electromagnetic Radiation and Onset of Chaotic Behaviors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050131.	0.7	2
60	Transition from regular to labyrinth pattern in a neuronal network with fast inhibitory synapses. Chaos, Solitons and Fractals, 2021, 146, 110758.	2.5	2
61	Critical Behaviors of Regular Pattern Selection in Neuronal Networks with Chemical Synapses. , 2020, , 163-171.		2
62	Synchronization in Two Uncoupled Chaotic Neurons. Lecture Notes in Computer Science, 2004, , 138-143.	1.0	1
63	Solitary waves in boundary layer induced by a travelling wave with increasing amplitude. Communications in Nonlinear Science and Numerical Simulation, 2019, 77, 25-39.	1.7	1
64	Switching behavior of the gamma power in the neuronal network modulated by the astrocytes. Chaos, Solitons and Fractals, 2022, 159, 112135.	2.5	1
65	Dynamic Behavior of Sandwich Beams with Different Cores. Advanced Materials Research, 2012, 468-471, 1344-1348.	0.3	0
66	FUNCTION PROJECTIVE SYNCHRONIZATION OF THE CHAOTIC SYSTEMS WITH PARAMETERS UNKNOWN. International Journal of Modern Physics B, 2013, 27, 1350110.	1.0	0
67	ADAPTIVE FUNCTION Q-S SYNCHRONIZATION OF DIFFERENT CHAOTIC (HYPER-CHAOTIC) SYSTEMS. International Journal of Modern Physics B, 2013, 27, 1350109.	1.0	0
68	Observation of Crises and Bifurcations in the Hodgkin-Huxley Neuron Model. Lecture Notes in Computer Science, 2005, , 390-396.	1.0	0
69	DYNAMICS AND CONTROL IN BIOLOGY SYSTEM. , 2015, , 119-120.		0
70	Firing Dynamics of Neurons in Hippocampus Under Epilepsy. Advances in Cognitive Neurodynamics, 2016, , 619-624.	0.1	0