

# Ying Wu

## List of Publications by Year in descending order

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70  
papers

1,216  
citations

394421

19  
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434195

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71  
all docs

71  
docs citations

71  
times ranked

895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytic modulation on neuronal electric mode selection induced by magnetic field effect. Cognitive Neurodynamics, 2022, 16, 183-194.	4.0	4
2	Flexible Brain Transitions Between Hierarchical Network Segregation and Integration Associated With Cognitive Performance During a Multisource Interference Task. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1835-1846.	6.3	12
3	Switching behavior of the gamma power in the neuronal network modulated by the astrocytes. Chaos, Solitons and Fractals, 2022, 159, 112135.	5.1	1
4	Dynamic mechanism of epileptic seizures generation and propagation after ischemic stroke. Nonlinear Dynamics, 2022, 109, 3113-3132.	5.2	3
5	Lifespan associations of resting-state brain functional networks with ADHD symptoms. IScience, 2022, 25, 104673.	4.1	5
6	Transition from regular to labyrinth pattern in a neuronal network with fast inhibitory synapses. Chaos, Solitons and Fractals, 2021, 146, 110758.	5.1	2
7	Establishment of assay method and trimester-specific reference intervals for thyroid hormones during pregnancy in Chengdu, China. Journal of Clinical Laboratory Analysis, 2021, 35, e23763.	2.1	7
8	Segregation, integration, and balance of large-scale resting brain networks configure different cognitive abilities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	88
9	A one-dimensional constitutive model for NiTi shape memory alloys considering inelastic strains caused by the R-phase transformation. Journal of Alloys and Compounds, 2021, 868, 159192.	5.5	12
10	An electromechanical cohesive zone model merging with contact and friction effects for fiber debonding and pushing-out in piezoelectric fiber composites. Applied Mathematical Modelling, 2021, 95, 1-21.	4.2	4
11	Cohesive communities in dynamic brain functional networks. Physical Review E, 2021, 104, 014302.	2.1	3
12	Channel block of the astrocyte network connections accounting for the dynamical transition of epileptic seizures. Nonlinear Dynamics, 2021, 105, 3571-3583.	5.2	6
13	A Temperature-Dependent Model of Shape Memory Alloys Considering Tensile-Compressive Asymmetry and the Ratcheting Effect. Materials, 2020, 13, 3116.	2.9	6
14	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.	1.7	2
15	Dynamic Transitions in Neuronal Network Firing Sustained by Abnormal Astrocyte Feedback. Neural Plasticity, 2020, 2020, 1-13.	2.2	7
16	Astrocyte and ions metabolism during epileptogenesis: A review for modeling studies*. Chinese Physics B, 2020, 29, 038701.	1.4	18
17	Dynamical response of a neuron-astrocyte coupling system under electromagnetic induction and external stimulation*. Chinese Physics B, 2020, 29, 030504.	1.4	20
18	Critical Behaviors of Regular Pattern Selection in Neuronal Networks with Chemical Synapses. , 2020, , 163-171.		2

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19	Hierarchical Connectome Modes and Critical State Jointly Maximize Human Brain Functional Diversity. Physical Review Letters, 2019, 123, 038301.	7.8	73
20	Default mode and visual network activity in an attention task: Direct measurement with intracranial EEG. NeuroImage, 2019, 201, 116003.	4.2	18
21	Spontaneous electromagnetic induction promotes the formation of economical neuronal network structure via self-organization process. Scientific Reports, 2019, 9, 9698.	3.3	8
22	Hierarchical integrated and segregated processing in the functional brain default mode network within attention-deficit/hyperactivity disorder. PLoS ONE, 2019, 14, e0222414.	2.5	9
23	Theoretical analysis on the adaptive vibration attenuation of a fixed-fixed beam realized by a piezo-shape memory alloy ferrule. Journal of Intelligent Material Systems and Structures, 2019, 30, 2079-2090.	2.5	6
24	Solitary waves in boundary layer induced by a travelling wave with increasing amplitude. Communications in Nonlinear Science and Numerical Simulation, 2019, 77, 25-39.	3.3	1
25	A new approach for electro-elastic analysis of piezoelectric fiber composites with arbitrary shaped inclusions under anti-plane shear and in-plane electric loadings. Smart Materials and Structures, 2019, 28, 075030.	3.5	4
26	Stress fields and effective modulus of piezoelectric fiber composite with arbitrary shaped inclusion under in-plane mechanical and anti-plane electric loadings. Mathematics and Mechanics of Solids, 2019, 24, 3180-3199.	2.4	5
27	Design and Experimental Research of a Rotary Micro-Actuator Based on a Shearing Piezoelectric Stack. Micromachines, 2019, 10, 96.	2.9	10
28	Spontaneous Electromagnetic Induction Modulating the Neuronal Dynamical Response. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950005.	1.7	9
29	A tensile-compressive asymmetry model for shape memory alloys with a redefined martensite internal variable. Smart Materials and Structures, 2019, 28, 105050.	3.5	11
30	Modeling and active vibration control of lattice grid beam with piezoelectric fiber composite using fractional order PD <sup>1/4</sup> algorithm. Composite Structures, 2018, 198, 126-134.	5.8	26
31	Astrocytic Kir4.1 channels and gap junctions account for spontaneous epileptic seizure. PLoS Computational Biology, 2018, 14, e1005877.	3.2	28
32	Structure and dynamics of self-organized neuronal network with an improved STDP rule. Nonlinear Dynamics, 2017, 88, 1855-1868.	5.2	4
33	A neglected GABAergic astrocyte: Calcium dynamics and involvement in seizure activity. Science China Technological Sciences, 2017, 60, 1003-1010.	4.0	10
34	A Route to Chaotic Behavior of Single Neuron Exposed to External Electromagnetic Radiation. Frontiers in Computational Neuroscience, 2017, 11, 94.	2.1	16
35	Dynamic transition of neuronal firing induced by abnormal astrocytic glutamate oscillation. Scientific Reports, 2016, 6, 32343.	3.3	45
36	The influence of potassium concentration on epileptic seizures in a coupled neuronal model in the hippocampus. Cognitive Neurodynamics, 2016, 10, 405-414.	4.0	30

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37	Dynamic transition on the seizure-like neuronal activity by astrocytic calcium channel block. Chaos, Solitons and Fractals, 2016, 91, 702-708.	5.1	17
38	Application of complex network method to spatiotemporal patterns in a neuronal network. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 219-230.	2.6	5
39	Astrocytic Gliotransmitter: Diffusion Dynamics and Induction of Information Processing on Tripartite Synapses. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650138.	1.7	15
40	Random matrix theory for analyzing the brain functional network in attention deficit hyperactivity disorder. Physical Review E, 2016, 94, 052411.	2.1	17
41	Suppression of firing activities in neuron and neurons of network induced by electromagnetic radiation. Nonlinear Dynamics, 2016, 83, 801-810.	5.2	42
42	Transition of spatiotemporal patterns in neuronal networks with chemical synapses. Communications in Nonlinear Science and Numerical Simulation, 2016, 40, 80-88.	3.3	26
43	Firing Dynamics of Neurons in Hippocampus Under Epilepsy. Advances in Cognitive Neurodynamics, 2016, , 619-624.	0.1	0
44	Spectral properties of the temporal evolution of brain network structure. Chaos, 2015, 25, 123112.	2.5	28
45	Emitting waves from defects in network with autapses. Communications in Nonlinear Science and Numerical Simulation, 2015, 23, 164-174.	3.3	67
46	Exploring Dynamic Temporal-Topological Structure of Brain Network Within ADHD. Advances in Cognitive Neurodynamics, 2015, , 93-98.	0.1	10
47	DYNAMICS AND CONTROL IN BIOLOGY SYSTEM. , 2015, , 119-120.		0
48	Global and local brain network reorganization in attention-deficit/hyperactivity disorder. Brain Imaging and Behavior, 2014, 8, 558-569.	2.1	69
49	Chaos synchronization between the coupled systems on network with unknown parameters. Applied Mathematics and Computation, 2014, 229, 254-259.	2.2	5
50	Firing properties and synchronization rate in fractional-order Hindmarsh-Rose model neurons. Science China Technological Sciences, 2014, 57, 914-922.	4.0	41
51	Autapse-Induced Spiral Wave in Network of Neurons under Noise. PLoS ONE, 2014, 9, e100849.	2.5	44
52	The dynamic behavior of spiral waves in stochastic Hodgkin-Huxley neuronal networks with ion channel blocks. Nonlinear Dynamics, 2013, 73, 1055-1063.	5.2	30
53	FUNCTION PROJECTIVE SYNCHRONIZATION OF THE CHAOTIC SYSTEMS WITH PARAMETERS UNKNOWN. International Journal of Modern Physics B, 2013, 27, 1350110.	2.0	0
54	Noise-induced spatiotemporal patterns in Hodgkin-Huxley neuronal network. Cognitive Neurodynamics, 2013, 7, 431-440.	4.0	20

#	ARTICLE	IF	CITATIONS
55	Emergence of target waves in neuronal networks due to diverse forcing currents. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1126-1138.	5.1	19
56	Detection of ordered wave in the networks of neurons with changeable connection. Science China: Physics, Mechanics and Astronomy, 2013, 56, 952-959.	5.1	19
57	ADAPTIVE FUNCTION Q-S SYNCHRONIZATION OF DIFFERENT CHAOTIC (HYPER-CHAOTIC) SYSTEMS. International Journal of Modern Physics B, 2013, 27, 1350109.	2.0	0
58	Generalized finite-time synchronization between coupled chaotic systems of different orders with unknown parameters. Nonlinear Dynamics, 2013, 74, 479-485.	5.2	20
59	Emergence of spiral wave induced by defects block. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1665-1675.	3.3	25
60	Dynamic Behavior of Sandwich Beams with Different Cores. Advanced Materials Research, 2012, 468-471, 1344-1348.	0.3	0
61	Electric Field-induced dynamical evolution of spiral wave in the regular networks of Hodgkin-Huxley neurons. Applied Mathematics and Computation, 2011, 218, 4467-4474.	2.2	15
62	Channel noise-induced phase transition of spiral wave in networks of Hodgkin-Huxley neurons. Science Bulletin, 2011, 56, 151-157.	1.7	57
63	Transition from spiral wave to target wave and other coherent structures in the networks of Hodgkin-Huxley neurons. Applied Mathematics and Computation, 2010, 217, 3844-3852.	2.2	53
64	Crisis of interspike intervals in Hodgkin-Huxley model. Chaos, Solitons and Fractals, 2006, 27, 952-958.	5.1	17
65	Generalized synchronization induced by noise and parameter mismatching in Hindmarsh-Rose neurons. Chaos, Solitons and Fractals, 2005, 23, 1605-1611.	5.1	18
66	Synchronous Behaviors of Two Coupled Neurons. Lecture Notes in Computer Science, 2005, , 302-307.	1.3	5
67	Synchronous Behaviors of Hindmarsh-Rose Neurons with Chemical Coupling. Lecture Notes in Computer Science, 2005, , 508-511.	1.3	4
68	Observation of Crises and Bifurcations in the Hodgkin-Huxley Neuron Model. Lecture Notes in Computer Science, 2005, , 390-396.	1.3	0
69	Synchronization in Two Uncoupled Chaotic Neurons. Lecture Notes in Computer Science, 2004, , 138-143.	1.3	1
70	Rate of afferent stimulus dependent synchronization and coding in coupled neurons system. Chaos, Solitons and Fractals, 2004, 21, 1221-1229.	5.1	12