Junwei Sun

List of Publications by Year in descending order

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72	1,697	361045	288905
papers	citations	20	40
		h-index	g-index

73	73	73	867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compound synchronization of four memristor chaotic oscillator systems and secure communication. Chaos, 2013, 23, 013140.	1.0	211
2	Autonomous memristor chaotic systems of infinite chaotic attractors and circuitry realization. Nonlinear Dynamics, 2018, 94, 2879-2887.	2.7	178
3	Finite-time real combination synchronization of three complex-variable chaotic systems with unknown parameters via sliding mode control. Nonlinear Dynamics, 2017, 88, 1677-1690.	2.7	118
4	Combinationâ€“combination synchronization among four identical or different chaotic systems. Nonlinear Dynamics, 2013, 73, 1211-1222.	2.7	103
5	Finite-time synchronization between two complex-variable chaotic systems with unknown parameters via nonsingular terminal sliding mode control. Nonlinear Dynamics, 2016, 85, 1105-1117.	2.7	102
6	Memristor-Based Neural Network Circuit of Full-Function Pavlov Associative Memory With Time Delay and Variable Learning Rate. IEEE Transactions on Cybernetics, 2019, 50, 1-11.	6.2	101
7	Finite-time combination-combination synchronization of four different chaotic systems with unknown parameters via sliding mode control. Nonlinear Dynamics, 2014, 76, 383-397.	2.7	79
8	Combination complex synchronization of three chaotic complex systems. Nonlinear Dynamics, 2015, 79, 953-965.	2.7	60
9	Memristor-Based Neural Network Circuit of Emotion Congruent Memory With Mental Fatigue and Emotion Inhibition. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 606-616.	2.7	60
10	Transmission projective synchronization of multi-systems with non-delayed and delayed coupling via impulsive control. Chaos, 2012, 22, 043107.	1.0	50
11	Compound synchronization for four chaotic systems of integer order and fractional order. Europhysics Letters, 2014, 106, 40005.	0.7	45
12	Memristor-based neural network circuit of pavlov associative memory with dual mode switching. AEU - International Journal of Electronics and Communications, 2021, 129, 153552.	1.7	45
13	Compound-combination synchronization of five chaotic systems via nonlinear control. Optik, 2016, 127, 4136-4143.	1.4	39
14	Quasi-Ideal Memory System. IEEE Transactions on Cybernetics, 2015, 45, 1353-1362.	6.2	37
15	Modified projective and modified function projective synchronization of a class of real nonlinear systems and a class of complex nonlinear systems. Nonlinear Dynamics, 2014, 78, 1755-1764.	2.7	31
16	Survival Risk Prediction of Esophageal Cancer Based on Self-Organizing Maps Clustering and Support Vector Machine Ensembles. IEEE Access, 2020, 8, 131449-131460.	2.6	26
17	Compoundâ€“combination anti-synchronization of five simplest memristor chaotic systems. Optik, 2016, 127, 9192-9200.	1.4	25
18	Three-Variable Chaotic Oscillatory System Based on DNA Strand Displacement and Its Coupling Combination Synchronization. IEEE Transactions on Nanobioscience, 2020, 19, 434-445.	2.2	25

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19	An Improved Non-dominated Sorting Genetic Algorithm-II (INSGA-II) applied to the design of DNA codewords. Mathematics and Computers in Simulation, 2018, 151, 131-139.	2.4	24
20	Dual Combination Synchronization of Six Chaotic Systems. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	22
21	A Secure Communication Scheme of Three-Variable Chaotic Coupling Synchronization Based on DNA Chemical Reaction Networks. IEEE Transactions on Signal Processing, 2022, 70, 2362-2373.	3.2	21
22	Hiding Messages Based on DNA Sequence and Recombinant DNA Technique. IEEE Nanotechnology Magazine, 2019, 18, 299-307.	1.1	20
23	Generalised mathematical model of memristor. IET Circuits, Devices and Systems, 2016, 10, 244-249.	0.9	17
24	Hybrid Memristor Chaotic System. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 812-818.	0.1	17
25	Compound Synchronization of Four Chaotic Complex Systems. Advances in Mathematical Physics, 2015, 2015, 1-11.	0.4	15
26	Stability Based on PI Control of Three-Dimensional Chaotic Oscillatory System via DNA Chemical Reaction Networks. IEEE Transactions on Nanobioscience, 2021, 20, 311-322.	2.2	15
27	Adaptive anti-synchronization of chaotic complex systems and chaotic real systems with unknown parameters. JVC/Journal of Vibration and Control, 2016, 22, 2992-3003.	1.5	14
28	Dynamical Analysis of Memcapacitor Chaotic System and Its Image Encryption Application. International Journal of Control, Automation and Systems, 2020, 18, 1242-1249.	1.6	14
29	One-Bit Half Adder-Half Subtractor Logical Operation Based on the DNA Strand Displacement. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 375-380.	0.1	14
30	Adaptive generalized hybrid function projective dislocated synchronization of new four-dimensional uncertain chaotic systems. Applied Mathematics and Computation, 2015, 252, 304-314.	1.4	11
31	Memristor-Based Neural Network Circuit of Memory With Emotional Homeostasis. IEEE Nanotechnology Magazine, 2022, 21, 204-212.	1.1	10
32	Real combination synchronization of three fractional-order complex-variable chaotic systems. Optik, 2016, 127, 11460-11468.	1.4	9
33	Design of a Single-Channel Chaotic Secure Communication System Implemented by DNA Strand Displacement. ACS Synthetic Biology, 2022, 11, 843-854.	1.9	9
34	Four-Input Multi-Layer Majority Logic Circuit Based on DNA Strand Displacement Computing. IEEE Access, 2020, 8, 3076-3086.	2.6	8
35	Dynamical properties and combinationâ€“combination complex synchronization of four novel chaotic complex systems. Optik, 2016, 127, 1572-1580.	1.4	7
36	Proportional-Integral-Derivative Control of Four-Variable Chaotic Oscillatory Circuit Based on DNA Strand Displacement. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 612-623.	0.1	7

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37	Fixed-time output synchronization of coupled neural networks with output coupling and impulsive effects. Neural Computing and Applications, 2021, 33, 17647-17658.	3.2	7
38	Exponential Function Computation Based on DNA Strand Displacement Circuits. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 479-488.	2.7	7
39	Function combination synchronization of three chaotic complex systems. Optik, 2016, 127, 9504-9516.	1.4	6
40	Simplest memristive system. Optik, 2018, 156, 1-7.	1.4	6
41	Dynamical Analysis of Novel Memristor Chaotic System and DNA Encryption Application. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 449-460.	1.5	6
42	Survival risk prediction model for ESCC based on relief feature selection and CNN. Computers in Biology and Medicine, 2022, 145, 105460.	3.9	6
43	A Novel Scheme Adaptive Hybrid Dislocated Synchronization for Two Identical and Different Memristor Chaotic Oscillator Systems with Uncertain Parameters. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.3	5
44	Double Synchronization Based on DNA Strand Displacement Reaction. IEEE Access, 2020, 8, 51560-51569.	2.6	5
45	Design and Control for Four-Variable Chaotic Nanoelectronic Circuits Based on DNA Reaction Networks. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1248-1262.	0.1	5
46	Stability Monitoring of Batch Processes with Iterative Learning Control. Advances in Mathematical Physics, 2017, 2017, 1-7.	0.4	4
47	Combination-Combination Projective Synchronization of Multiple Chaotic Systems Using Sliding Mode Control. Advances in Mathematical Physics, 2018, 2018, 1-10.	0.4	4
48	Adaptive Modified Function Projective Synchronization of Uncertain Complex Dynamical Networks with Multiple Time-Delay Couplings and Disturbances. Mathematical Problems in Engineering, 2018, 2018, 1-11.	0.6	4
49	Five Inputs Code Lock Circuit Design Based on DNA Strand Displacement Mechanism. Nano, 2019, 14, 1950147.	0.5	4
50	Minimum norm partial eigenstructure assignment problems in highâ€order system via feedback control. Optimal Control Applications and Methods, 2022, 43, 138-157.	1.3	4
51	Clinical Prediction of Heart Failure in Hemodialysis Patients: Based on the Extreme Gradient Boosting Method. Frontiers in Genetics, 2022, 13, 889378.	1.1	4
52	A Novel Memcapacitor Model and Its Application for Image Encryption Algorithm. Journal of Electrical and Computer Engineering, 2019, 2019, 1-16.	0.6	3
53	Development and Validation of the Predictive Model for Esophageal Squamous Cell Carcinoma Differentiation Degree. Frontiers in Genetics, 2020, 11, 595638.	1.1	3
54	Prediction of Survival Time of Patients With Esophageal Squamous Cell Carcinoma Based on Univariate Analysis and ASSA-BP Neural Network. IEEE Access, 2020, 8, 181127-181136.	2.6	3

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55	Memristive circuits design under different personality traits based on second-order damping system. Microelectronics Journal, 2021, 114, 105148.	1.1	3
56	Epidemic Dynamics of a Fractional-Order SIR Weighted Network Model and Its Targeted Immunity Control. Fractal and Fractional, 2022, 6, 232.	1.6	3
57	Design of General Flux-Controlled and Charge-Controlled Memristor Emulators Based on Hyperbolic Functions. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 956-967.	1.9	3
58	Epidemic Dynamics of a Fractional-Order SIS Infectious Network Model. Discrete Dynamics in Nature and Society, 2021, 2021, 1-8.	0.5	2
59	Design and implementation of four-color conjecture circuit based on memristor neural network. AEU - International Journal of Electronics and Communications, 2022, 144, 154041.	1.7	2
60	Memristive Hopfield Neural Network for Reasoning with Incomplete Information and Its Circuit Implementation. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1401-1411.	0.1	2
61	Synchronization Analysis of Multi-Order Fractional Neural Networks Via Continuous and Quantized Controls. Neural Processing Letters, 2022, 54, 3641-3656.	2.0	2
62	Hybrid Dislocated Control and General Hybrid Projective Dislocated Synchronization for Memristor Chaotic Oscillator System. Advances in Mathematical Physics, 2014, 2014, 1-10.	0.4	1
63	Synchronization of Time Delay Coupled Neural Networks Based on Impulsive Control. Mathematical Problems in Engineering, 2020, 2020, 1-8.	0.6	1
64	Memristor-Based Neural Network Circuit of Long-term Memory. , 2021, , .		1
65	Hybrid Projective Synchronization via PI Controller Based on DNA Strand Displacement. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 1081-1091.	1.9	1
66	Survival Prediction Model for Patients with Esophageal Squamous Cell Carcinoma Based on the Parameter-Optimized Deep Belief Network Using the Improved Archimedes Optimization Algorithm. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-14.	0.7	1
67	Complex dynamical behaviors analysis of a voltage-controlled memristive system. , 2012, , .		0
68	The Predictive Model of Esophageal Squamous Cell Carcinoma Differentiation. Communications in Computer and Information Science, 2021, , 322-335.	0.4	0
69	Design of target suppression and feature recognition circuit based on memristor. , 2021, , .		0
70	On Synchronization of Coupled Fractional-Order Neural Networks in Finite-Time Sense. , 2021, , .		0
71	Synchronization of Chaos with a Single Driving Variable Feedback Control Based on DNA Strand Displacement. Communications in Computer and Information Science, 2022, , 437-446.	0.4	0
72	Survival Risk Prediction of Esophageal Squamous Cell Carcinoma Based on BES-LSSVM. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.1	0