Junwei Sun

List of Publications by Year in Descending Order

62 papers	1,199 citations	17 h-index	34 g-index
73 ext. papers	1,467 ext. citations	2.8 avg, IF	5.2 L-index

#	Paper	IF	Citations
62	Design and implementation of four-color conjecture circuit based on memristor neural network. *AEU - International Journal of Electronics and Communications*, **2022**, 144, 154041	2.8	0
61	Synchronization of Chaos with a Single Driving Variable Feedback Control Based on DNA Strand Displacement. *Communications in Computer and Information Science*, **2022**, 437-446	0.3	
60	Memristor-Based Neural Network Circuit of Memory with Emotional Homeostasis. *IEEE Nanotechnology Magazine*, **2022**, 1-1	2.6	0
59	Survival risk prediction model for ESCC based on relief feature selection and CNN.. *Computers in Biology and Medicine*, **2022**, 145, 105460	7	0
58	Prognostic Staging System for Esophageal Cancer Using Lasso, Cox and CS-SVM. *Communications in Computer and Information Science*, **2022**, 317-329	0.3	
57	A Secure Communication Scheme of Three-Variable Chaotic Coupling Synchronization Based on DNA Chemical Reaction Networks. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	3
56	Clinical Prediction of Heart Failure in Hemodialysis Patients: Based on the Extreme Gradient Boosting Method.. *Frontiers in Genetics*, **2022**, 13, 889378	4.5	
55	Epidemic Dynamics of a Fractional-Order SIR Weighted Network Model and Its Targeted Immunity Control. *Fractal and Fractional*, **2022**, 6, 232	3	1
54	Design and Control for Four-Variable Chaotic Nanoelectronic Circuits Based on DNA Reaction Networks. *Journal of Nanoelectronics and Optoelectronics*, **2021**, 16, 1248-1262	1.3	1
53	Memristive Hopfield Neural Network for Reasoning with Incomplete Information and Its Circuit Implementation. *Journal of Nanoelectronics and Optoelectronics*, **2021**, 16, 1401-1411	1.3	2
52	Proportional-Integral-Derivative Control of Four-Variable Chaotic Oscillatory Circuit Based on DNA Strand Displacement. *Journal of Nanoelectronics and Optoelectronics*, **2021**, 16, 612-623	1.3	4
51	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	5.1	22
50	Epidemic Dynamics of a Fractional-Order SIS Infectious Network Model. *Discrete Dynamics in Nature and Society*, **2021**, 2021, 1-8	1.1	1
49	Stability Based on PI Control of Three-Dimensional Chaotic Oscillatory System via DNA Chemical Reaction Networks. *IEEE Transactions on Nanobioscience*, **2021**, 20, 311-322	3.4	8
48	Memristor-based neural network circuit of pavlov associative memory with dual mode switching. *AEU - International Journal of Electronics and Communications*, **2021**, 129, 153552	2.8	21
47	The Predictive Model of Esophageal Squamous Cell Carcinoma Differentiation. *Communications in Computer and Information Science*, **2021**, 322-335	0.3	
46	Memristive circuits design under different personality traits based on second-order damping system. *Microelectronics Journal*, **2021**, 114, 105148	1.8	2

45	Fixed-time output synchronization of coupled neural networks with output coupling and impulsive effects. *Neural Computing and Applications*, **2021**, 33, 17647	4.8	0
44	Three-Variable Chaotic Oscillatory System Based on DNA Strand Displacement and Its Coupling Combination Synchronization. *IEEE Transactions on Nanobioscience*, **2020**, 19, 434-445	3.4	14
43	Four-Input Multi-Layer Majority Logic Circuit Based on DNA Strand Displacement Computing. *IEEE Access*, **2020**, 8, 3076-3086	3.5	5
42	Double Synchronization Based on DNA Strand Displacement Reaction. *IEEE Access*, **2020**, 8, 51560-51569	3.5	5
41	Dynamical Analysis of Memcapacitor Chaotic System and Its Image Encryption Application. *International Journal of Control, Automation and Systems*, **2020**, 18, 1242-1249	2.9	8
40	Synchronization of Time Delay Coupled Neural Networks Based on Impulsive Control. *Mathematical Problems in Engineering*, **2020**, 2020, 1-8	1.1	1
39	Development and Validation of the Predictive Model for Esophageal Squamous Cell Carcinoma Differentiation Degree. *Frontiers in Genetics*, **2020**, 11, 595638	4.5	1
38	Survival Risk Prediction of Esophageal Cancer Based on Self-Organizing Maps Clustering and Support Vector Machine Ensembles. *IEEE Access*, **2020**, 8, 131449-131460	3.5	10
37	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	3.5	2
36	Memristor-Based Neural Network Circuit of Full-Function Pavlov Associative Memory With Time Delay and Variable Learning Rate. *IEEE Transactions on Cybernetics*, **2020**, 50, 2935-2945	10.2	49
35	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	1.9	3
34	A Novel Memcapacitor Model and Its Application for Image Encryption Algorithm. *Journal of Electrical and Computer Engineering*, **2019**, 2019, 1-16	1.9	2
33	Hiding Messages Based on DNA Sequence and Recombinant DNA Technique. *IEEE Nanotechnology Magazine*, **2019**, 18, 299-307	2.6	10
32	Five Inputs Code Lock Circuit Design Based on DNA Strand Displacement Mechanism. *Nano*, **2019**, 14, 1950147	1.1	2
31	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	3.3	13
30	Autonomous memristor chaotic systems of infinite chaotic attractors and circuitry realization. *Nonlinear Dynamics*, **2018**, 94, 2879-2887	5	131
29	Hybrid Memristor Chaotic System. *Journal of Nanoelectronics and Optoelectronics*, **2018**, 13, 812-818	1.3	14
28	Simplest memristive system. *Optik*, **2018**, 156, 1-7	2.5	6

27	Combination-Combination Projective Synchronization of Multiple Chaotic Systems Using Sliding Mode Control. *Advances in Mathematical Physics*, **2018**, 2018, 1-10	1.1	2
26	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	1.1	3
25	Finite-time real combination synchronization of three complex-variable chaotic systems with unknown parameters via sliding mode control. *Nonlinear Dynamics*, **2017**, 88, 1677-1690	5	94
24	Stability Monitoring of Batch Processes with Iterative Learning Control. *Advances in Mathematical Physics*, **2017**, 2017, 1-7	1.1	3
23	One-Bit Half Adder-Half Subtractor Logical Operation Based on the DNA Strand Displacement. *Journal of Nanoelectronics and Optoelectronics*, **2017**, 12, 375-380	1.3	13
22	Adaptive anti-synchronization of chaotic complex systems and chaotic real systems with unknown parameters. *JVC/Journal of Vibration and Control*, **2016**, 22, 2992-3003	2	9
21	Function combination synchronization of three chaotic complex systems. *Optik*, **2016**, 127, 9504-9516	2.5	4
20	Dual Combination Synchronization of Six Chaotic Systems. *Journal of Computational and Nonlinear Dynamics*, **2016**, 11,	1.4	20
19	Compound-combination synchronization of five chaotic systems via nonlinear control. *Optik*, **2016**, 127, 4136-4143	2.5	30
18	Dynamical properties and combination-combination complex synchronization of four novel chaotic complex systems. *Optik*, **2016**, 127, 1572-1580	2.5	7
17	Finite-time synchronization between two complex-variable chaotic systems with unknown parameters via nonsingular terminal sliding mode control. *Nonlinear Dynamics*, **2016**, 85, 1105-1117	5	78
16	Compound-combination anti-synchronization of five simplest memristor chaotic systems. *Optik*, **2016**, 127, 9192-9200	2.5	22
15	Generalised mathematical model of memristor. *IET Circuits, Devices and Systems*, **2016**, 10, 244-249	1.1	11
14	Real combination synchronization of three fractional-order complex-variable chaotic systems. *Optik*, **2016**, 127, 11460-11468	2.5	8
13	Combination complex synchronization of three chaotic complex systems. *Nonlinear Dynamics*, **2015**, 79, 953-965	5	43
12	Compound Synchronization of Four Chaotic Complex Systems. *Advances in Mathematical Physics*, **2015**, 2015, 1-11	1.1	12
11	Quasi-Ideal Memory System. *IEEE Transactions on Cybernetics*, **2015**, 45, 1353-62	10.2	36
10	Adaptive generalized hybrid function projective dislocated synchronization of new four-dimensional uncertain chaotic systems. *Applied Mathematics and Computation*, **2015**, 252, 304-314	2.7	10

List of Publications

9	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	5	28
8	Compound synchronization for four chaotic systems of integer order and fractional order. *Europhysics Letters*, **2014**, 106, 40005	1.6	41
7	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	0.7	5
6	Hybrid Dislocated Control and General Hybrid Projective Dislocated Synchronization for Memristor Chaotic Oscillator System. *Advances in Mathematical Physics*, **2014**, 2014, 1-10	1.1	1
5	Finite-time combination-combination synchronization of four different chaotic systems with unknown parameters via sliding mode control. *Nonlinear Dynamics*, **2014**, 76, 383-397	5	69
4	Combination–Combination synchronization among four identical or different chaotic systems. *Nonlinear Dynamics*, **2013**, 73, 1211-1222	5	90
3	Compound synchronization of four memristor chaotic oscillator systems and secure communication. *Chaos*, **2013**, 23, 013140	3.3	175
2	Transmission projective synchronization of multi-systems with non-delayed and delayed coupling via impulsive control. *Chaos*, **2012**, 22, 043107	3.3	41
1	Synchronization Analysis of Multi-Order Fractional Neural Networks Via Continuous and Quantized Controls. *Neural Processing Letters*,1	2.4	