

# Lai Qiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6082296/publications.pdf>

Version: 2024-02-01

51  
papers

1,993  
citations

257357

24  
h-index

243529

44  
g-index

51  
all docs

51  
docs citations

51  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Analysis of Multiscroll Memristive Hopfield Neural Network With Adjustable Memductance and Application to Image Encryption. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7824-7837.	7.2	80
2	A new firefly algorithm with mean condition partial attraction. Applied Intelligence, 2022, 52, 4418-4431.	3.3	14
3	Dynamical analysis, FPGA implementation and synchronization for secure communication of new chaotic system with hidden and coexisting attractors. Modern Physics Letters B, 2022, 36, .	1.0	6
4	Analysis and implementation of no-equilibrium chaotic system with application in image encryption. Applied Intelligence, 2022, 52, 11448-11471.	3.3	28
5	A memristive RBF neural network and its application in unsupervised medical image segmentation. European Physical Journal: Special Topics, 2022, 231, 1005-1014.	1.2	2
6	Chaos in a Simplest Cyclic Memristive Neural Network. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	46
7	Design and Implementation of a New Hyperchaotic Memristive Map. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2331-2335.	2.2	13
8	Design and implementation of a new memristive chaotic system with coexisting attractors and offset boosting behaviors. Indian Journal of Physics, 2022, 96, 4391-4401.	0.9	1
9	Hidden coexisting hyperchaos of new memristive neuron model and its application in image encryption. Chaos, Solitons and Fractals, 2022, 158, 112017.	2.5	84
10	Analysis and implementation of simple four-dimensional memristive chaotic system with infinite coexisting attractors. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 160502.	0.2	7
11	Dynamical analysis, circuit implementation and synchronization of a new memristive hyperchaotic system with coexisting attractors. Modern Physics Letters B, 2021, 35, 2150187.	1.0	17
12	Formation Tracking Control for Multi-Agent Networks with Fixed Time Convergence via Terminal Sliding Mode Control Approach. Sensors, 2021, 21, 1416.	2.1	9
13	A memristive map with coexisting chaos and hyperchaos*. Chinese Physics B, 2021, 30, 110502.	0.7	36
14	A 2D hyperchaotic map with conditional symmetry and attractor growth. Chaos, 2021, 31, 043121.	1.0	23
15	Two-Memristor-Based Chaotic System With Infinite Coexisting Attractors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2197-2201.	2.2	77
16	Circuit application of chaotic systems: modeling, dynamical analysis and control. European Physical Journal: Special Topics, 2021, 230, 1691-1694.	1.2	10
17	A Unified Chaotic System with Various Coexisting Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150013.	0.7	63
18	Synchronization of a Memristor Chaotic System and Image Encryption. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, .	0.7	16

#	ARTICLE	IF	CITATIONS
19	Consensus Tracking for Heterogeneous Interdependent Group Systems. IEEE Transactions on Cybernetics, 2020, 50, 1752-1760.	6.2	20
20	An Extremely Simple Chaotic System With Infinitely Many Coexisting Attractors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1129-1133.	2.2	102
21	Design and implementation of a new memristive chaotic system with application in touchless fingerprint encryption. Chinese Journal of Physics, 2020, 67, 615-630.	2.0	20
22	Consensus of Second-Order Multiagent Systems with Directed Signed Networks and Communication Delays. Complexity, 2020, 2020, 1-10.	0.9	3
23	A new path planning method of mobile robot based on adaptive dynamic firefly algorithm. Modern Physics Letters B, 2020, 34, 2050322.	1.0	13
24	Modelling and circuit realisation of a new no-equilibrium chaotic system with hidden attractor and coexisting attractors. Electronics Letters, 2020, 56, 1044-1046.	0.5	72
25	Fixed Time Synchronization Control for Bilateral Teleoperation Mobile Manipulator With Nonholonomic Constraint and Time Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3452-3456.	2.2	34
26	Multiconsensus of first-order multiagent systems with directed topologies. Modern Physics Letters B, 2020, 34, 2050240.	1.0	3
27	Infinitely Many Coexisting Attractors in No-Equilibrium Chaotic System. Complexity, 2020, 2020, 1-17.	0.9	21
28	Coexisting attractors, circuit implementation and synchronization control of a new chaotic system evolved from the simplest memristor chaotic circuit. Communications in Nonlinear Science and Numerical Simulation, 2020, 89, 105341.	1.7	135
29	Complex behaviors in a new 4D memristive hyperchaotic system without equilibrium and its microcontroller-based implementation. European Physical Journal: Special Topics, 2019, 228, 2171-2184.	1.2	21
30	Analysis and control of multiple attractors in Sprott B system. Chaos, Solitons and Fractals, 2019, 123, 192-200.	2.5	15
31	Constructing Chaotic System With Multiple Coexisting Attractors. IEEE Access, 2019, 7, 24051-24056.	2.6	59
32	Dynamics, Synchronization and Electronic Implementations of a New Lorenz-like Chaotic System with Nonhyperbolic Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950197.	0.7	13
33	Multitarget Tracking Control for Coupled Heterogeneous Inertial Agents Systems Based on Flocking Behavior. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2605-2611.	5.9	56
34	Coexisting attractors and circuit implementation of a new 4D chaotic system with two equilibria. Chaos, Solitons and Fractals, 2018, 107, 92-102.	2.5	88
35	Dynamic analyses, FPGA implementation and engineering applications of multi-butterfly chaotic attractors generated from generalised Sprott C system. Pramana - Journal of Physics, 2018, 90, 1.	0.9	27
36	Dynamic analysis and synchronization control of an unusual chaotic system with exponential term and coexisting attractors. Chinese Journal of Physics, 2018, 56, 2837-2851.	2.0	22

#	ARTICLE	IF	CITATIONS
37	Stability and Bifurcation of Delayed Gene Regulatory Network with Self-Feedback, Positive Feedback and Negative Feedback. , 2018, , .		1
38	Monostability, bistability, periodicity and chaos in gene regulatory network. European Physical Journal: Special Topics, 2018, 227, 719-730.	1.2	11
39	Dynamic analysis, circuit realization, control design and image encryption application of an extended $L\frac{1}{4}$ system with coexisting attractors. Chaos, Solitons and Fractals, 2018, 114, 230-245.	2.5	149
40	A New Chaotic System with Multiple Attractors: Dynamic Analysis, Circuit Realization and S-Box Design. Entropy, 2018, 20, 12.	1.1	83
41	Stability Analysis of Genetic Regulatory Networks with Dual Regulation Strategies. , 2018, , .		0
42	Various Types of Coexisting Attractors in a New 4D Autonomous Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750142.	0.7	63
43	Coexisting attractors generated from a new 4D smooth chaotic system. International Journal of Control, Automation and Systems, 2016, 14, 1124-1131.	1.6	77
44	Generating Multiple Chaotic Attractors from Sprott B System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650177.	0.7	136
45	Multi-target consensus circle pursuit for multi-agent systems via a distributed multi-flocking method. International Journal of Systems Science, 2016, 47, 3741-3748.	3.7	27
46	Chaos, bifurcation, coexisting attractors and circuit design of a three-dimensional continuous autonomous system. Optik, 2016, 127, 5400-5406.	1.4	40
47	Research on a new 3D autonomous chaotic system with coexisting attractors. Optik, 2016, 127, 3000-3004.	1.4	78
48	Chaotification of a simple linear system via nonlinear feedback. , 2015, , .		0
49	A local flocking algorithm of multi-agent dynamic systems. International Journal of Control, 2015, 88, 2242-2249.	1.2	39
50	GENERATION OF MULTI-WING CHAOTIC ATTRACTORS FROM A LORENZ-LIKE SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350152.	0.7	30
51	A Simple memristive chaotic system with complex dynamics and ITS image encryption application. International Journal of Modern Physics B, 0, , .	1.0	3