Chunbiao Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4755255/publications.pdf

Version: 2024-02-01

97	4,145	94269 37	118652 62
papers	citations	h-index	g-index

99	99	99	1176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coexisting Hidden Attractors in a 4-D Simplified Lorenz System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450034.	0.7	238
2	Variable-boostable chaotic flows. Optik, 2016, 127, 10389-10398.	1.4	175
3	Multistability in the Lorenz System: A Broken Butterfly. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450131.	0.7	163
4	Infinite Multistability in a Self-Reproducing Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750160.	0.7	152
5	Simple chaotic 3D flows with surfaces of equilibria. Nonlinear Dynamics, 2016, 86, 1349-1358.	2.7	126
6	Amplitude control approach for chaotic signals. Nonlinear Dynamics, 2013, 73, 1335-1341.	2.7	114
7	Chaotic flows with a single nonquadratic term. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 178-183.	0.9	113
8	Constructing chaotic systems with conditional symmetry. Nonlinear Dynamics, 2017, 87, 1351-1358.	2.7	113
9	Constructing Chaotic Systems with Total Amplitude Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530025.	0.7	112
10	An infinite 3-D quasiperiodic lattice of chaotic attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 581-587.	0.9	109
11	Diagnosing multistability by offset boosting. Nonlinear Dynamics, 2017, 90, 1335-1341.	2.7	103
12	A New Piecewise Linear Hyperchaotic Circuit. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 977-981.	2.2	100
13	An infinite 2-D lattice of strange attractors. Nonlinear Dynamics, 2017, 89, 2629-2639.	2.7	94
14	A Memristive Chaotic Oscillator With Increasing Amplitude and Frequency. IEEE Access, 2018, 6, 12945-12950.	2.6	92
15	Hypogenetic chaotic jerk flows. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1172-1177.	0.9	85
16	A New Chaotic System with Multiple Attractors: Dynamic Analysis, Circuit Realization and S-Box Design. Entropy, 2018, 20, 12.	1.1	83
17	Bistability in a hyperchaotic system with a line equilibrium. Journal of Experimental and Theoretical Physics, 2014, 118, 494-500.	0.2	81
18	Finding coexisting attractors using amplitude control. Nonlinear Dynamics, 2014, 78, 2059-2064.	2.7	79

#	Article	IF	Citations
19	A new chaotic oscillator with free control. Chaos, 2017, 27, 083101.	1.0	78
20	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. IEEE Access, 2018, 6, 29003-29012.	2.6	78
21	MULTISTABILITY IN A BUTTERFLY FLOW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350199.	0.7	74
22	A New Chaotic System with a Self-Excited Attractor: Entropy Measurement, Signal Encryption, and Parameter Estimation. Entropy, 2018, 20, 86.	1.1	70
23	Offset Boosting for Breeding Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850163.	0.7	65
24	Linearization of the Lorenz system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 888-893.	0.9	64
25	Generating Any Number of Initial Offset-Boosted Coexisting Chuaâ€™s Double-Scroll Attractors via Piecewise-Nonlinear Memristor. IEEE Transactions on Industrial Electronics, 2022, 69, 7202-7212.	5.2	61
26	Doubling the coexisting attractors. Chaos, 2019, 29, 051102.	1.0	59
27	Fixed-Time Synchronization of Complex Networks With a Simpler Nonchattering Controller. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 700-704.	2.2	54
28	Amplitude Control Analysis of a Four-Wing Chaotic Attractor, its Electronic Circuit Designs and Microcontroller-Based Random Number Generator. Journal of Circuits, Systems and Computers, 2017, 26, 1750190.	1.0	53
29	Conditional symmetry: bond for attractor growing. Nonlinear Dynamics, 2019, 95, 1245-1256.	2.7	52
30	A Self-Reproduction Hyperchaotic Map With Compound Lattice Dynamics. IEEE Transactions on Industrial Electronics, 2022, 69, 10564-10572.	5.2	51
31	Infinite lattice of hyperchaotic strange attractors. Chaos, Solitons and Fractals, 2018, 109, 76-82.	2.5	50
32	Absolute term introduced to rebuild the chaotic attractor with constant Lyapunov exponent spectrum. Nonlinear Dynamics, 2012, 68, 575-587.	2.7	44
33	Multivariate Multiscale Complexity Analysis of Self-Reproducing Chaotic Systems. Entropy, 2018, 20, 556.	1.1	44
34	A memristive chaotic oscillator with controllable amplitude and frequency. Chaos, Solitons and Fractals, 2020, 139, 110000.	2.5	44
35	A Conditional Symmetric Memristive System With Infinitely Many Chaotic Attractors. IEEE Access, 2020, 8, 12394-12401.	2.6	44
36	Dynamics editing based on offset boosting. Chaos, 2020, 30, 063124.	1.0	42

#	Article	IF	Citations
37	Multiple coexisting attractors of the serialâ€“parallel memristor-based chaotic system and its adaptive generalized synchronization. Nonlinear Dynamics, 2018, 94, 2785-2806.	2.7	40
38	A novel four-wing strange attractor born in bistability. IEICE Electronics Express, 2015, 12, 20141116-20141116.	0.3	39
39	Initial value-related dynamical analysis of the memristor-based system with reduced dimensions and its chaotic synchronization via adaptive sliding mode control method. Chinese Journal of Physics, 2019, 58, 117-131.	2.0	39
40	A Memristive Chaotic System With Hypermultistability and Its Application in Image Encryption. IEEE Access, 2020, 8, 139289-139298.	2.6	38
41	A Conservative Memristive System with Amplitude Control and Offset Boosting. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	38
42	Modeling and experimental investigation of an AA-sized electromagnetic generator for harvesting energy from human motion. Smart Materials and Structures, 2018, 27, 085008.	1.8	36
43	Coexisting Infinite Equilibria and Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2130014.	0.7	33
44	Generating Any Number of Diversified Hidden Attractors via Memristor Coupling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4945-4956.	3.5	33
45	Memristor-type chaotic mapping. Chaos, 2022, 32, 021104.	1.0	33
46	A raw data simulator for Bistatic Forward-looking High-speed Maneuvering-platform SAR. Signal Processing, 2015, 117, 151-164.	2.1	32
47	A Double-Memristor Hyperchaotic Oscillator With Complete Amplitude Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4935-4944.	3.5	32
48	Crisis in Amplitude Control Hides in Multistability. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650233.	0.7	30
49	A unique jerk system with hidden chaotic oscillation. Nonlinear Dynamics, 2016, 86, 197-203.	2.7	30
50	Amplitude-phase control of a novel chaotic attractor. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1-11.	0.9	27
51	An amplitude-controllable 3-D hyperchaotic map with homogenous multistability. Nonlinear Dynamics, 2021, 105, 1843-1857.	2.7	27
52	A 2D hyperchaotic map with conditional symmetry and attractor growth. Chaos, 2021, 31, 043121.	1.0	23
53	Infinitely many coexisting attractors of a dual memristive Shinriki oscillator and its FPGA digital implementation. Chinese Journal of Physics, 2019, 62, 342-357.	2.0	22
54	Comment on â€œHow to obtain extreme multistability in coupled dynamical systemsâ€• Physical Review E, 2014, 89, 066901.	0.8	21

#	Article	IF	Citations
55	Dynamic transport: From bifurcation to multistability. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105600.	1.7	20
56	Hidden Attractors with Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030042.	0.7	19
57	Suppressing spiral waves in a lattice array of coupled neurons using delayed asymmetric synapse coupling. Chaos, Solitons and Fractals, 2021, 146, 110855.	2.5	19
58	Controlling Coexisting Attractors of Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950207.	0.7	17
59	A memristive chaotic system with offset-boostable conditional symmetry. European Physical Journal: Special Topics, 2020, 229, 1059-1069.	1.2	17
60	Symmetry Evolution in Chaotic System. Symmetry, 2020, 12, 574.	1.1	16
61	A Symmetric Controllable Hyperchaotic Hidden Attractor. Symmetry, 2020, 12, 550.	1.1	16
62	A 2-D conditional symmetric hyperchaotic map with complete control. Nonlinear Dynamics, 2022, 109, 1155-1165.	2.7	16
63	A Switchable Chaotic Oscillator with Two Amplitudeâ€“Frequency Controllers. Journal of Circuits, Systems and Computers, 2017, 26, 1750158.	1.0	15
64	How to Bridge Attractors and Repellors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750149.	0.7	15
65	Constructing hyperchaotic attractors of conditional symmetry. European Physical Journal B, 2019, 92, 1.	0.6	15
66	A simple memristive jerk system. IET Circuits, Devices and Systems, 2021, 15, 388-392.	0.9	15
67	Polarity balance for attractor self-reproducing. Chaos, 2020, 30, 063144.	1.0	14
68	A conditional symmetric memristive system with amplitude and frequency control. European Physical Journal: Special Topics, 2020, 229, 1007-1019.	1.2	14
69	A memristive chaotic system with flexible attractor growing. European Physical Journal: Special Topics, 2021, 230, 1695-1708.	1.2	13
70	Constructing chaotic repellors. Chaos, Solitons and Fractals, 2021, 142, 110544.	2.5	12
71	A Memristive Hyperjerk Chaotic System: Amplitude Control, FPGA Design, and Prediction with Artificial Neural Network. Complexity, 2021, 2021, 1-17.	0.9	12
72	A New Class of Chaotic Circuit with Logic Elements. Journal of Circuits, Systems and Computers, 2015, 24, 1550136.	1.0	11

#	Article	IF	Citations
73	Rotation control of an HR neuron with a locally active memristor. European Physical Journal Plus, 2022, 137, .	1.2	11
74	Coexisting chaotic attractors in a memristive system and their amplitude control. Pramana - Journal of Physics, 2020, 94, 1.	0.9	9
75	Broken Symmetry in a Memristive Chaotic Oscillator. IEEE Access, 2020, 8, 69222-69229.	2.6	9
76	Simplification of Chaotic Circuits With Quadratic Nonlinearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1837-1841.	2.2	9
77	An Initially-Controlled Double-Scroll Hyperchaotic Map. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	9
78	Attractor and bifurcation of forced Lorenz-84 system. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950002.	0.8	8
79	A symmetric pair of hyperchaotic attractors. International Journal of Circuit Theory and Applications, 2018, 46, 2434-2443.	1.3	7
80	Magnetic induction can control the effect of external electrical stimuli on the spiral wave. Applied Mathematics and Computation, 2021, 390, 125608.	1.4	7
81	Periodic offset boosting for attractor self-reproducing. Chaos, 2021, 31, 113108.	1.0	7
82	Synchronization-based scheme for calculating ambiguity functions of wideband chaotic signals. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 367-372.	2.6	6
83	Spiral Waves in a Lattice Array of Josephson Junction Chaotic Oscillators with Flux Effects. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	6
84	A 2D Hyperchaotic Map: Amplitude Control, Coexisting Symmetrical Attractors and Circuit Implementation. Symmetry, 2021, 13, 1047.	1.1	6
85	A Hidden Chaotic Attractor with an Independent Amplitude-Frequency Controller. Complexity, 2022, 2022, 1-11.	0.9	6
86	Synchronisation control of composite chaotic systems. International Journal of Systems Science, 2016, 47, 3952-3959.	3.7	5
87	Time-Reversible Chaotic System with Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050067.	0.7	5
88	Dynamical analysis of boundary behaviors of current-controlled DCâ€“DC buck converter. Nonlinear Dynamics, 2021, 106, 2203-2228.	2.7	5
89	Simplified Memristive Lorenz Oscillator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3344-3348.	2.2	5
90	Analysis of Geometric Invariants for Three Types of Bifurcations in 2D Differential Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150105.	0.7	4

#	Article	IF	Citations
91	Hyperchaotic Oscillation in the Deformed Rikitake Two-Disc Dynamo System Induced by Memory Effect. Complexity, 2020, 2020, 1-10.	0.9	3
92	Effects of noise on the wave propagation in an excitable media with magnetic induction. European Physical Journal: Special Topics, 0, , 1.	1.2	3
93	Asymmetry Evolvement and Controllability of a Symmetric Hyperchaotic Map. Symmetry, 2021, 13, 1039.	1.1	3
94	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
95	Datum correction based on wave equation inversion in time for UWB throughâ€theâ€wall radar. IET Radar, Sonar and Navigation, 2017, 11, 1116-1123.	0.9	1
96	The Scroll Control of a New Chaotic System. , 2008, , .		0
97	Partially blind extraction of continuous chaotic signals from a linear mixture. Journal of Electronics, 2009, 26, 600-607.	0.2	0