# Chunbiao Li

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 93 papers | 3,008 citations | 32 h-index | 53 g-index |
| 99 ext. papers | 3,601 ext. citations | 3.1 avg, IF | 6.24 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 93 | A Self-Reproduction Hyperchaotic Map With Compound Lattice Dynamics. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1 | 8.9 | 13 |
| 92 | Memristor-type chaotic mapping.. *Chaos*, **2022**, 32, 021104 | 3.3 | 7 |
| 91 | A Conservative Memristive System with Amplitude Control and Offset Boosting. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2022**, 32, | 2 | 4 |
| 90 | A Hidden Chaotic Attractor with an Independent Amplitude-Frequency Controller. *Complexity*, **2022** , 2022, 1-11 | 1.6 | 1 |
| 89 | Simplified memristive Lorenz oscillator. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1 | 3.5 | 0 |
| 88 | Periodic offset boosting for attractor self-reproducing. *Chaos*, **2021**, 31, 113108 | 3.3 | 1 |
| 87 | Simplification of chaotic circuits with quadratic nonlinearity. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1 | 3.5 | 4 |
| 86 | A Double-Memristor Hyperchaotic Oscillator With Complete Amplitude Control. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 4935-4944 | 3.9 | 7 |
| 85 | Generating Any Number of Diversified Hidden Attractors via Memristor Coupling. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 1-12 | 3.9 | 8 |
| 84 | Dynamical analysis of boundary behaviors of current-controlled DCDC buck converter. *Nonlinear Dynamics*, **2021**, 106, 2203 | 5 | 1 |
| 83 | A simple memristive jerk system. *IET Circuits, Devices and Systems*, **2021**, 15, 388 | 1.1 | 6 |
| 82 | Coexisting Infinite Equilibria and Chaos. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2021**, 31, 2130014 | 2 | 19 |
| 81 | A 2D hyperchaotic map with conditional symmetry and attractor growth. *Chaos*, **2021**, 31, 043121 | 3.3 | 11 |
| 80 | Suppressing spiral waves in a lattice array of coupled neurons using delayed asymmetric synapse coupling. *Chaos, Solitons and Fractals*, **2021**, 146, 110855 | 9.3 | 7 |
| 79 | A 2D Hyperchaotic Map: Amplitude Control, Coexisting Symmetrical Attractors and Circuit Implementation. *Symmetry*, **2021**, 13, 1047 | 2.7 | 1 |
| 78 | A memristive chaotic system with flexible attractor growing. *European Physical Journal: Special Topics*, **2021**, 230, 1695-1708 | 2.3 | 2 |
| 77 | Asymmetry Evolvement and Controllability of a Symmetric Hyperchaotic Map. *Symmetry*, **2021**, 13, 1039 | 2.7 | 2 |

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| 76 | 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 | 2 | 0 |
| 75 | Dynamic transport: From bifurcation to multistability. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 95, 105600 | 3.7 | 12 |
| 74 | Magnetic induction can control the effect of external electrical stimuli on the spiral wave. *Applied Mathematics and Computation*, **2021**, 390, 125608 | 2.7 | 5 |
| 73 | Constructing chaotic repellors. *Chaos, Solitons and Fractals*, **2021**, 142, 110544 | 9.3 | 5 |
| 72 | Generating Any Number of Initial Offset-boosted Coexisting Chua's Double-scroll Attractors via Piecewise-nonlinear Memristor. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1 | 8.9 | 11 |
| 71 | Spiral Waves in a Lattice Array of Josephson Junction Chaotic Oscillators with Flux Effects. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9 | 1.1 | 3 |
| 70 | A Memristive Hyperjerk Chaotic System: Amplitude Control, FPGA Design, and Prediction with Artificial Neural Network. *Complexity*, **2021**, 2021, 1-17 | 1.6 | 7 |
| 69 | An amplitude-controllable 3-D hyperchaotic map with homogenous multistability. *Nonlinear Dynamics*, **2021**, 105, 1843-1857 | 5 | 5 |
| 68 | Time-Reversible Chaotic System with Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2050067 | 2 | 2 |
| 67 | Hyperchaotic Oscillation in the Deformed Rikitake Two-Disc Dynamo System Induced by Memory Effect. *Complexity*, **2020**, 2020, 1-10 | 1.6 | 3 |
| 66 | Dynamics editing based on offset boosting. *Chaos*, **2020**, 30, 063124 | 3.3 | 24 |
| 65 | Polarity balance for attractor self-reproducing. *Chaos*, **2020**, 30, 063144 | 3.3 | 10 |
| 64 | A memristive chaotic oscillator with controllable amplitude and frequency. *Chaos, Solitons and Fractals*, **2020**, 139, 110000 | 9.3 | 19 |
| 63 | A Conditional Symmetric Memristive System With Infinitely Many Chaotic Attractors. *IEEE Access*, **2020**, 8, 12394-12401 | 3.5 | 30 |
| 62 | Symmetry Evolution in Chaotic System. *Symmetry*, **2020**, 12, 574 | 2.7 | 9 |
| 61 | Coexisting chaotic attractors in a memristive system and their amplitude control **2020**, 94, 1 | | 6 |
| 60 | Broken Symmetry in a Memristive Chaotic Oscillator. *IEEE Access*, **2020**, 8, 69222-69229 | 3.5 | 5 |
| 59 | A Symmetric Controllable Hyperchaotic Hidden Attractor. *Symmetry*, **2020**, 12, 550 | 2.7 | 8 |

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| 58 | Hidden Attractors with Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2030042 | 2 | 9 |
| 57 | A Memristive Chaotic System With Hypermultistability and Its Application in Image Encryption. *IEEE Access*, **2020**, 8, 139289-139298 | 3.5 | 14 |
| 56 | Fixed-Time Synchronization of Complex Networks With a Simpler Nonchattering Controller. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 700-704 | 3.5 | 35 |
| 55 | A conditional symmetric memristive system with amplitude and frequency control. *European Physical Journal: Special Topics*, **2020**, 229, 1007-1019 | 2.3 | 10 |
| 54 | A memristive chaotic system with offset-boostable conditional symmetry. *European Physical Journal: Special Topics*, **2020**, 229, 1059-1069 | 2.3 | 7 |
| 53 | Constructing hyperchaotic attractors of conditional symmetry. *European Physical Journal B*, **2019**, 92, 1 | 1.2 | 9 |
| 52 | Doubling the coexisting attractors. *Chaos*, **2019**, 29, 051102 | 3.3 | 43 |
| 51 | Infinitely many coexisting attractors of a dual memristive Shinriki oscillator and its FPGA digital implementation. *Chinese Journal of Physics*, **2019**, 62, 342-357 | 3.5 | 15 |
| 50 | Controlling Coexisting Attractors of Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950207 | 2 | 9 |
| 49 | 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 | 3.5 | 32 |
| 48 | Conditional symmetry: bond for attractor growing. *Nonlinear Dynamics*, **2019**, 95, 1245-1256 | 5 | 39 |
| 47 | Attractor and bifurcation of forced Lorenz-84 system. *International Journal of Geometric Methods in Modern Physics*, **2019**, 16, 1950002 | 1.5 | 4 |
| 46 | Infinite lattice of hyperchaotic strange attractors. *Chaos, Solitons and Fractals*, **2018**, 109, 76-82 | 9.3 | 42 |
| 45 | An infinite 3-D quasiperiodic lattice of chaotic attractors. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 581-587 | 2.3 | 92 |
| 44 | Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. *IEEE Access*, **2018**, 6, 29003-29012 | 3.5 | 63 |
| 43 | A Memristive Chaotic Oscillator With Increasing Amplitude and Frequency. *IEEE Access*, **2018**, 6, 12945-12950 | 3.5 | 72 |
| 42 | Modeling and experimental investigation of an AA-sized electromagnetic generator for harvesting energy from human motion. *Smart Materials and Structures*, **2018**, 27, 085008 | 3.4 | 24 |
| 41 | A New Chaotic System with a Self-Excited Attractor: Entropy Measurement, Signal Encryption, and Parameter Estimation. *Entropy*, **2018**, 20, | 2.8 | 55 |

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| 40 | Multiple coexisting attractors of the serial-parallel memristor-based chaotic system and its adaptive generalized synchronization. *Nonlinear Dynamics*, **2018**, 94, 2785-2806 | 5 | 31 |
| 39 | Multivariate Multiscale Complexity Analysis of Self-Reproducing Chaotic Systems. *Entropy*, **2018**, 20, | 2.8 | 39 |
| 38 | Offset Boosting for Breeding Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850163 | 2 | 47 |
| 37 | A symmetric pair of hyperchaotic attractors. *International Journal of Circuit Theory and Applications*, **2018**, 46, 2434-2443 | 2 | 7 |
| 36 | A Switchable Chaotic Oscillator with Two Amplitude-Frequency Controllers. *Journal of Circuits, Systems and Computers*, **2017**, 26, 1750158 | 0.9 | 15 |
| 35 | 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 | 0.9 | 42 |
| 34 | How to Bridge Attractors and Repellors. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750149 | 2 | 9 |
| 33 | Infinite Multistability in a Self-Reproducing Chaotic System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750160 | 2 | 116 |
| 32 | A New Chaotic System with Multiple Attractors: Dynamic Analysis, Circuit Realization and S-Box Design. *Entropy*, **2017**, 20, | 2.8 | 63 |
| 31 | Datum correction based on wave equation inversion in time for UWB through-the-wall radar. *IET Radar, Sonar and Navigation*, **2017**, 11, 1116-1123 | 1.4 | 1 |
| 30 | A new chaotic oscillator with free control. *Chaos*, **2017**, 27, 083101 | 3.3 | 62 |
| 29 | Diagnosing multistability by offset boosting. *Nonlinear Dynamics*, **2017**, 90, 1335-1341 | 5 | 71 |
| 28 | An infinite 2-D lattice of strange attractors. *Nonlinear Dynamics*, **2017**, 89, 2629-2639 | 5 | 79 |
| 27 | Constructing chaotic systems with conditional symmetry. *Nonlinear Dynamics*, **2017**, 87, 1351-1358 | 5 | 94 |
| 26 | A unique jerk system with hidden chaotic oscillation. *Nonlinear Dynamics*, **2016**, 86, 197-203 | 5 | 24 |
| 25 | Synchronisation control of composite chaotic systems. *International Journal of Systems Science*, **2016**, 47, 3952-3959 | 2.3 | 4 |
| 24 | Hypogenetic chaotic jerk flows. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2016**, 380, 1172-1177 | 2.3 | 72 |
| 23 | Amplitude-phase control of a novel chaotic attractor. *Turkish Journal of Electrical Engineering and Computer Sciences*, **2016**, 24, 1-11 | 0.9 | 23 |

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| 22 | Crisis in Amplitude Control Hides in Multistability. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650233 | 2 | 26 |
| 21 | Variable-boostable chaotic flows. *Optik*, **2016**, 127, 10389-10398 | 2.5 | 128 |
| 20 | Simple chaotic 3D flows with surfaces of equilibria. *Nonlinear Dynamics*, **2016**, 86, 1349-1358 | 5 | 104 |
| 19 | A raw data simulator for Bistatic Forward-looking High-speed Maneuvering-platform SAR. *Signal Processing*, **2015**, 117, 151-164 | 4.4 | 21 |
| 18 | Constructing Chaotic Systems with Total Amplitude Control. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1530025 | 2 | 93 |
| 17 | A New Class of Chaotic Circuit with Logic Elements. *Journal of Circuits, Systems and Computers*, **2015**, 24, 1550136 | 0.9 | 10 |
| 16 | A novel four-wing strange attractor born in bistability. *IEICE Electronics Express*, **2015**, 12, 20141116-20141116 | 0.5 | 33 |
| 15 | Linearization of the Lorenz system. *Physics Letters, Section A: General, Atomic and Solid State Physics* , **2015**, 379, 888-893 | 2.3 | 52 |
| 14 | Chaotic flows with a single nonquadratic term. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 178-183 | 2.3 | 98 |
| 13 | Multistability in the Lorenz System: A Broken Butterfly. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450131 | 2 | 138 |
| 12 | Bistability in a hyperchaotic system with a line equilibrium. *Journal of Experimental and Theoretical Physics*, **2014**, 118, 494-500 | 1 | 73 |
| 11 | Coexisting Hidden Attractors in a 4-D Simplified Lorenz System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450034 | 2 | 215 |
| 10 | A New Piecewise Linear Hyperchaotic Circuit. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2014**, 61, 977-981 | 3.5 | 90 |
| 9 | Finding coexisting attractors using amplitude control. *Nonlinear Dynamics*, **2014**, 78, 2059-2064 | 5 | 65 |
| 8 | Comment on "how to obtain extreme multistability in coupled dynamical systems". *Physical Review E*, **2014**, 89, 066901 | 2.4 | 20 |
| 7 | Amplitude control approach for chaotic signals. *Nonlinear Dynamics*, **2013**, 73, 1335-1341 | 5 | 99 |
| 6 | MULTISTABILITY IN A BUTTERFLY FLOW. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350199 | 2 | 68 |
| 5 | Absolute term introduced to rebuild the chaotic attractor with constant Lyapunov exponent spectrum. *Nonlinear Dynamics*, **2012**, 68, 575-587 | 5 | 39 |

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| 4 | Partially blind extraction of continuous chaotic signals from a linear mixture. *Journal of Electronics*, **2009**, 26, 600-607 | | |
| 3 | . *IEEE Transactions on Aerospace and Electronic Systems*, **2008**, 44, 367-372 | 3.7 | 4 |
| 2 | Effects of noise on the wave propagation in an excitable media with magnetic induction. *European Physical Journal: Special Topics*,1 | 2.3 | 0 |
| 1 | A memristive RBF neural network and its application in unsupervised medical image segmentation. *European Physical Journal: Special Topics*,1 | 2.3 | 0 |