

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	1,850 citations	24 h-index	39 g-index
106 ext. papers	2,228 ext. citations	3.7 avg, IF	5.76 L-index

#	Paper	IF	Citations
93	Analysis of a new chaotic system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005 , 352, 295-308	3.3	203
92	A four-wing chaotic attractor generated from a new 3-D quadratic autonomous system. <i>Chaos, Solitons and Fractals</i> , 2008 , 38, 705-721	9.3	112
91	A novel hyperchaos system only with one equilibrium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 360, 696-701	2.3	97
90	Analysis and circuit implementation of a new 4D chaotic system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 352, 386-397	2.3	90
89	On a new hyperchaotic system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 124-136	2.3	79
88	A four-wing hyper-chaotic attractor and transient chaos generated from a new 4-D quadratic autonomous system. <i>Nonlinear Dynamics</i> , 2010 , 59, 515-527	5	77
87	Four-wing hyperchaotic attractor generated from a new 4D system with one equilibrium and its fractional-order form. <i>Nonlinear Dynamics</i> , 2012 , 67, 1161-1173	5	67
86	Synchronization of a Class of Fractional-Order Chaotic Neural Networks. <i>Entropy</i> , 2013 , 15, 3265-3276	2.8	62
85	Analysis of a new 3D smooth autonomous system with different wing chaotic attractors and transient chaos. <i>Nonlinear Dynamics</i> , 2010 , 62, 391-405	5	57
84	FOUR-WING ATTRACTORS: FROM PSEUDO TO REAL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 859-885	2	53
83	Chaotic Characteristics Analysis and Circuit Implementation for a Fractional-Order System. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 845-853	3.9	39
82	Modelings and mechanism analysis underlying both the 4D Euler equations and Hamiltonian conservative chaotic systems. <i>Nonlinear Dynamics</i> , 2019 , 95, 2063-2077	5	39
81	A new hyperchaotic system and its circuit implementation. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 2544-2549	5.9	38
80	Model-free control of affine chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 344, 189-202	2.3	37
79	Energy cycle and bound of Qi chaotic system. <i>Chaos, Solitons and Fractals</i> , 2017 , 99, 7-15	9.3	31
78	Topological horseshoe analysis and circuit realization for a fractional-order L ¹ system. <i>Nonlinear Dynamics</i> , 2013 , 74, 203-212	5	31
77	Difference Histograms: A new tool for time series analysis applied to bearing fault diagnosis. <i>Pattern Recognition Letters</i> , 2009 , 30, 595-599	4.7	28

76	Energy cycle of brushless DC motor chaotic system. <i>Applied Mathematical Modelling</i> , 2017 , 51, 686-697	4.5	27
75	On a new asymmetric chaotic system. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 409-423	9.3	27
74	A four-wing attractor and its analysis. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 2016-2030	9.3	25
73	Adaptive high order differential feedback control for affine nonlinear system. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 308-315	9.3	25
72	Mechanical analysis of Qi four-wing chaotic system. <i>Nonlinear Dynamics</i> , 2016 , 86, 1095-1106	5	24
71	Effects of control measures on the dynamics of COVID-19 and double-peak behavior in Spain. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-11	5	24
70	Modeling of a Hamiltonian conservative chaotic system and its mechanism routes from periodic to quasiperiodic, chaos and strong chaos. <i>Applied Mathematical Modelling</i> , 2020 , 78, 350-365	4.5	24
69	A new type of four-wing chaotic attractors in 3-D quadratic autonomous systems. <i>Nonlinear Dynamics</i> , 2010 , 60, 443-457	5	23
68	Mechanism and Energy Cycling of the Qi Four-Wing Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750180	2	22
67	A 3-D four-wing attractor and its analysis. <i>Brazilian Journal of Physics</i> , 2009 , 39, 547-553	1.2	21
66	Analysis of multistability, hidden chaos and transient chaos in brushless DC motor. <i>Chaos, Solitons and Fractals</i> , 2020 , 132, 109606	9.3	20
65	A spherical chaotic system. <i>Nonlinear Dynamics</i> , 2015 , 81, 1381-1392	5	19
64	Force Analysis and Energy Operation of Chaotic System of Permanent-Magnet Synchronous Motor. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750216	2	19
63	A multi-wing spherical chaotic system using fractal process. <i>Nonlinear Dynamics</i> , 2016 , 85, 2765-2775	5	19
62	Global dynamics of a pipe conveying pulsating fluid in primary parametrical resonance: Analytical and numerical results from the nonlinear wave equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 1555-1562	2.3	18
61	Homoclinic bifurcations and chaotic dynamics of non-planar waves in axially moving beam subjected to thermal load. <i>Applied Mathematical Modelling</i> , 2020 , 83, 674-682	4.5	17
60	Mechanical analysis of Chen chaotic system. <i>Chaos, Solitons and Fractals</i> , 2017 , 98, 173-177	9.3	15
59	Energy analysis of Sprott-A system and generation of a new Hamiltonian conservative chaotic system with coexisting hidden attractors. <i>Chaos, Solitons and Fractals</i> , 2020 , 133, 109635	9.3	15

58	Modelling of both energy and volume conservative chaotic systems and their mechanism analyses. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 84, 105171	3.7	15
57	Fault location on high voltage transmission line by applying support vector regression with fault signal amplitudes. <i>Electric Power Systems Research</i> , 2018 , 160, 173-179	3.5	15
56	Hopf bifurcation analysis and circuit implementation for a novel four-wing hyper-chaotic system. <i>Chinese Physics B</i> , 2013 , 22, 080504	1.2	14
55	Topological horseshoe analysis and the circuit implementation for a four-wing chaotic attractor. <i>Nonlinear Dynamics</i> , 2011 , 65, 131-140	5	14
54	Analysis of second outbreak of COVID-19 after relaxation of control measures in India. <i>Nonlinear Dynamics</i> , 2020 , 106, 1-19	5	14
53	GENERATION OF AN EIGHT-WING CHAOTIC ATTRACTOR FROM QI 3-D FOUR-WING CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250287	13	13
52	Force Analysis of Qi Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650237	2	13
51	Comparing mechanical analysis with generalized-competitive-mode analysis for the plasma chaotic system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 318-327	2.3	13
50	The effects of fractional order on a 3-D quadratic autonomous system with four-wing attractor. <i>Nonlinear Dynamics</i> , 2010 , 62, 139-150	5	12
49	Mechanical analysis and bound of plasma chaotic system. <i>Chaos, Solitons and Fractals</i> , 2018 , 108, 187-195	9.3	11
48	Modeling and Analysis of Chaos and Bifurcations for the Attitude System of a Quadrotor Unmanned Aerial Vehicle. <i>Complexity</i> , 2019 , 2019, 1-16	1.6	11
47	Analysis of a four-wing fractional-order chaotic system via frequency-domain and time-domain approaches and circuit implementation for secure communication. <i>Optik</i> , 2018 , 155, 233-241	2.5	11
46	Mechanical Analysis and Energy Cycle of Chen Chaotic System. <i>Brazilian Journal of Physics</i> , 2017 , 47, 288-294	9	9
45	Hidden and transient chaotic attractors in the attitude system of quadrotor unmanned aerial vehicle. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109815	9.3	9
44	Modeling and dynamical analysis of a small-scale unmanned helicopter. <i>Nonlinear Dynamics</i> , 2019 , 98, 2131-2145	5	9
43	Modeling of memristor-based Hindmarsh-Rose neuron and its dynamical analyses using energy method. <i>Applied Mathematical Modelling</i> , 2022 , 101, 503-516	4.5	8
42	Viscoelastic string-beam coupled vibro-impact system: modeling and dynamic analysis. <i>European Journal of Mechanics, A/Solids</i> , 2020 , 82, 104012	3.7	7
41	Chaotic system synchronization with an unknown master model using a hybrid HOD active control approach. <i>Chaos, Solitons and Fractals</i> , 2009 , 42, 1900-1913	9.3	7

40	Local bifurcation analysis of brushless DC motor. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2710	2.2	7
39	Quantum dynamics for Al-doped graphene composite sheet under hydrogen atom impact. <i>Applied Mathematical Modelling</i> , 2021 , 90, 1120-1129	4.5	7
38	Modeling and Analysis of a Three-Terminal-Memristor-Based Conservative Chaotic System. <i>Entropy</i> , 2021 , 23,	2.8	7
37	Finding Method and Analysis of Hidden Chaotic Attractors for Plasma Chaotic System From Physical and Mechanistic Perspectives. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050072	2	6
36	Modeling of a Chaotic Gyrostat System and Mechanism Analysis of Dynamics Using Force and Energy. <i>Complexity</i> , 2019 , 2019, 1-13	1.6	6
35	Hyper-chaos encryption using convolutional masking and model free unmasking. <i>Chinese Physics B</i> , 2014 , 23, 050507	1.2	6
34	Chaotic particle swarm optimization 2009 ,		6
33	DC motor control via high order differential feedback control 2009 ,		5
32	Modeling, Synchronization, and FPGA Implementation of Hamiltonian Conservative Hyperchaos. <i>Complexity</i> , 2020 , 2020, 1-13	1.6	4
31	Robustness based comparison between a sliding mode controller and a model free controller with the approach of synchronization of nonlinear systems 2015 ,		4
30	Rare Energy-Conservative Attractors on Global Invariant Hypersurfaces and Their Multistability. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2130007	2	4
29	Energy mechanism analysis for chaotic dynamics of gyrostat system and simulation of displacement orbit using COMSOL. <i>Applied Mathematical Modelling</i> , 2021 , 92, 333-348	4.5	4
28	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	7.3	4
27	Coexisting Attractors, Energy Analysis and Boundary of L ² System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050048	2	3
26	Sliding mode control of a Rotary Inverted Pendulum using higher order differential observer 2014 ,		3
25	Model free control based on GMC structure. <i>International Journal of Control, Automation and Systems</i> , 2012 , 10, 173-179	2.9	3
24	Motion control and stabilization of a Skid-Steering Mobile Robot 2009 ,		3
23	Fully connected particle swarm optimizer. <i>Engineering Optimization</i> , 2011 , 43, 801-812	2	3

22	Output feedback predictive control for uncertain non-linear switched systems. <i>International Journal of Modelling, Identification and Control</i> , 2012 , 17, 195	0.6	3
21	Study of High Order Differential Feedback Control of DC-link Voltage in Active Power Filter 2007 ,		3
20	Time-varying formation dynamics modeling and constrained trajectory optimization of multi-quadrotor UAVs. <i>Nonlinear Dynamics</i> , 2021 , 106, 3265	5	3
19	Quantum-classical correspondence and mechanical analysis of a classical-quantum chaotic system. <i>Chinese Physics B</i> , 2020 , 29, 020502	1.2	3
18	Hamiltonian-Based Energy Analysis for Brushless DC Motor Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050112	2	3
17	Breaking of integrability and conservation leading to Hamiltonian chaotic system and its energy-based coexistence analysis. <i>Chaos</i> , 2021 , 31, 013101	3.3	3
16	Message Signal Encryption Based on Qi Hyper-Chaos System. <i>Communications in Computer and Information Science</i> , 2011 , 145-155	0.3	2
15	A GENERALIZED 3-D FOUR-WING CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 3841-3853	2	2
14	Chaos control of small-scale UAV helicopter based on high order differential feedback controller. <i>International Journal of Control</i> , 1-12	1.5	2
13	High-Order Differential Feedback Control for Quadrotor UAV: Theory and Experimentation. <i>Electronics (Switzerland)</i> , 2020 , 9, 2001	2.6	1
12	Design of a new multi-wing chaotic system and its application 2017 ,		1
11	Chaotic particle swarm optimization with neural network structure and its application. <i>Engineering Optimization</i> , 2011 , 43, 19-37	2	1
10	A four-wing chaotic attractor and its circuit implementation. <i>Journal of Physics: Conference Series</i> , 2008 , 96, 012057	0.3	1
9	Image Representation in Differential Space. <i>Lecture Notes in Computer Science</i> , 2008 , 624-633	0.9	1
8	TOPOLOGICAL HORSESHOE IN A FRACTIONAL-ORDER QI FOUR-WING CHAOTIC SYSTEM. <i>Journal of Applied Analysis and Computation</i> , 2015 , 5, 168-176	0.4	1
7	Abundant Firing Patterns in a Memristive Morris-Lecar Neuron Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150170	2	1
6	Characteristic analyzes, experimental testing and control for attitude system of QUAV under disturbance. <i>Applied Mathematical Modelling</i> , 2021 , 100, 77-91	4.5	1
5	Trajectory Tracking of a Quadrotor UAV based on High-Order Differential Feedback Control		0

4	Modeling and staged assessments of the controllability of spread for repeated outbreaks of COVID-19. <i>Nonlinear Dynamics</i> , 2021 , 106, 1-14	5	0
3	Analysis of a new hyperchaotic system with two large positive Lyapunov exponents. <i>Journal of Physics: Conference Series</i> , 2008 , 96, 012056	0.3	
2	MODEL-FREE HIGH ORDER DIFFERENTIAL STATES OBSERVER FOR NONLINEAR AFFINE SYSTEM. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 898-903		
1	Local bifurcation of brushless DC motor through a mechanical parameter: the viscous damping coefficient. <i>International Journal of Dynamics and Control</i> , 1	1.7	