

Viet-Thanh Pham

List of Publications by Year in descending order

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224
papers

6,629
citations

46918

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228
all docs

228
docs citations

228
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of hidden chaotic attractors in a novel no-equilibrium system. <i>Nonlinear Dynamics</i> , 2017, 87, 2001-2010.	2.7	176
2	A novel memristive neural network with hidden attractors and its circuitry implementation. <i>Science China Technological Sciences</i> , 2016, 59, 358-363.	2.0	172
3	Constructing a Novel No-Equilibrium Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450073.	0.7	167
4	Multiscroll Chaotic Sea Obtained from a Simple 3D System Without Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650031.	0.7	151
5	Simple chaotic 3D flows with surfaces of equilibria. <i>Nonlinear Dynamics</i> , 2016, 86, 1349-1358.	2.7	126
6	A Novel No-Equilibrium Chaotic System with Multiwing Butterfly Attractors. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550056.	0.7	119
7	A Chaotic System With Equilibria Located on the Rounded Square Loop and Its Circuit Implementation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016, 63, 878-882.	2.2	102
8	A no-equilibrium hyperchaotic system with a cubic nonlinear term. <i>Optik</i> , 2016, 127, 3259-3265.	1.4	102
9	A new fractional-order hyperchaotic memristor oscillator: Dynamic analysis, robust adaptive synchronization, and its application to voice encryption. <i>Applied Mathematics and Computation</i> , 2020, 383, 125310.	1.4	101
10	Simple Chaotic Flows with a Curve of Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630034.	0.7	99
11	On fractional-order discrete-time systems: Chaos, stabilization and synchronization. <i>Chaos, Solitons and Fractals</i> , 2019, 119, 150-162.	2.5	93
12	Adaptive backstepping control, synchronization and circuit simulation of a 3-D novel jerk chaotic system with two hyperbolic sinusoidal nonlinearities. <i>Archives of Control Sciences</i> , 2014, 24, 375-403.	1.7	91
13	S-Box Based Image Encryption Application Using a Chaotic System without Equilibrium. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 781.	1.3	90
14	Hyperchaos, adaptive control and synchronization of a novel 5-D hyperchaotic system with three positive Lyapunov exponents and its SPICE implementation. <i>Archives of Control Sciences</i> , 2014, 24, 409-446.	1.7	89
15	A simple chaotic circuit with a hyperbolic sine function and its use in a sound encryption scheme. <i>Nonlinear Dynamics</i> , 2017, 89, 1047-1061.	2.7	87
16	A simple three-dimensional fractional-order chaotic system without equilibrium: Dynamics, circuitry implementation, chaos control and synchronization. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 78, 220-227.	1.7	85
17	Chameleon: the most hidden chaotic flow. <i>Nonlinear Dynamics</i> , 2017, 88, 2303-2317.	2.7	84
18	Entropy Analysis and Neural Network-Based Adaptive Control of a Non-Equilibrium Four-Dimensional Chaotic System with Hidden Attractors. <i>Entropy</i> , 2019, 21, 156.	1.1	83

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19	Analysis, adaptive control and synchronization of a novel 4-D hyperchaotic hyperjerk system and its SPICE implementation. Archives of Control Sciences, 2015, 25, 135-158.	1.7	82
20	A new hidden chaotic attractor with extreme multi-stability. AEU - International Journal of Electronics and Communications, 2018, 89, 131-135.	1.7	80
21	Four-wing attractors in a novel chaotic system with hyperbolic sine nonlinearity. Optik, 2017, 131, 1071-1078.	1.4	78
22	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. Complexity, 2017, 2017, 1-11.	0.9	77
23	Bifurcation analysis and circuit realization for multiple-delayed Wang's Chen system with hidden chaotic attractors. Nonlinear Dynamics, 2016, 85, 1635-1650.	2.7	76
24	A Chaotic System with Different Shapes of Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650069.	0.7	75
25	Three-Dimensional Chaotic Autonomous System with a Circular Equilibrium: Analysis, Circuit Implementation and Its Fractional-Order Form. Circuits, Systems, and Signal Processing, 2016, 35, 1933-1948.	1.2	75
26	A chaotic system with infinite equilibria located on a piecewise linear curve. Optik, 2016, 127, 9111-9117.	1.4	74
27	The Relationship Between Chaotic Maps and Some Chaotic Systems with Hidden Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650211.	0.7	71
28	Dynamics and circuit realization of a no-equilibrium chaotic system with a boostable variable. AEU - International Journal of Electronics and Communications, 2017, 78, 134-140.	1.7	70
29	A chaotic system with a single unstable node. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2030-2036.	0.9	69
30	Is that Really Hidden? The Presence of Complex Fixed-Points in Chaotic Flows with No Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450146.	0.7	68
31	Dynamics, FPGA realization and application of a chaotic system with an infinite number of equilibrium points. Nonlinear Dynamics, 2017, 89, 1129-1139.	2.7	68
32	A New Chaotic Flow with Hidden Attractor: The First Hyperjerk System with No Equilibrium. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 239-249.	0.7	68
33	A New Cost Function for Parameter Estimation of Chaotic Systems Using Return Maps as Fingerprints. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450134.	0.7	67
34	Using chaotic artificial neural networks to model memory in the brain. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 449-459.	1.7	66
35	A Modified Multistable Chaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850085.	0.7	66
36	A hyperchaotic memristor oscillator with fuzzy based chaos control and LQR based chaos synchronization. AEU - International Journal of Electronics and Communications, 2018, 94, 55-68.	1.7	64

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37	On the dynamics, control and synchronization of fractional-order Ikeda map. <i>Chaos, Solitons and Fractals</i> , 2019, 123, 108-115.	2.5	63
38	Dynamics, circuit realization, control and synchronization of a hyperchaotic hyperjerk system with coexisting attractors. <i>Nonlinear Dynamics</i> , 2017, 89, 1673-1687.	2.7	60
39	A new nonlinear oscillator with infinite number of coexisting hidden and self-excited attractors. <i>Chinese Physics B</i> , 2018, 27, 040502.	0.7	60
40	Chaos-based application of a novel no-equilibrium chaotic system with coexisting attractors. <i>Nonlinear Dynamics</i> , 2017, 89, 1877-1887.	2.7	59
41	A New Chaotic System With Stable Equilibrium: From Theoretical Model to Circuit Implementation. <i>IEEE Access</i> , 2017, 5, 8851-8858.	2.6	57
42	A new four-dimensional system containing chaotic or hyper-chaotic attractors with no equilibrium, a line of equilibria and unstable equilibria. <i>Chaos, Solitons and Fractals</i> , 2018, 111, 108-118.	2.5	57
43	A chaotic system with an infinite number of equilibrium points located on a line and on a hyperbola and its fractional-order form. <i>Chaos, Solitons and Fractals</i> , 2017, 99, 209-218.	2.5	56
44	A Chaotic System with Different Families of Hidden Attractors. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650139.	0.7	55
45	A simple fractional-order chaotic system without equilibrium and its synchronization. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 86, 69-76.	1.7	52
46	Global Chaos Control of a Novel Nine-Term Chaotic System via Sliding Mode Control. <i>Studies in Computational Intelligence</i> , 2015, , 571-590.	0.7	52
47	Generating a Chaotic System with One Stable Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750053.	0.7	50
48	A Novel Four-Dimensional Hyperchaotic Four-Wing System With a Saddle-Focus Equilibrium. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017, 64, 339-343.	2.2	48
49	Complex dynamics of a neuron model with discontinuous magnetic induction and exposed to external radiation. <i>Cognitive Neurodynamics</i> , 2018, 12, 607-614.	2.3	48
50	A no-equilibrium memristive system with four-wing hyperchaotic attractor. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 95, 207-215.	1.7	47
51	From Wang-Chen System with Only One Stable Equilibrium to a New Chaotic System Without Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750097.	0.7	46
52	A Novel Cubic-Equilibrium Chaotic System with Coexisting Hidden Attractors: Analysis, and Circuit Implementation. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850066.	1.0	46
53	A Chaotic System with Infinite Equilibria and Its S-Box Constructing Application. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2132.	1.3	46
54	SIMPLE MEMRISTIVE TIME-DELAY CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350073.	0.7	45

#	ARTICLE	IF	CITATIONS
55	Chaos and control of a three-dimensional fractional order discrete-time system with no equilibrium and its synchronization. <i>AIP Advances</i> , 2020, 10, .	0.6	45
56	A Memristive Hyperchaotic System without Equilibrium. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	43
57	An adaptive observer synchronization using chaotic time-delay system for secure communication. <i>Nonlinear Dynamics</i> , 2017, 90, 2583-2598.	2.7	43
58	A fractional map with hidden attractors: chaos and control. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1083-1093.	1.2	42
59	Different Families of Hidden Attractors in a New Chaotic System with Variable Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750138.	0.7	41
60	A new oscillator with infinite coexisting asymmetric attractors. <i>Chaos, Solitons and Fractals</i> , 2018, 110, 252-258.	2.5	41
61	Hidden attractors in a new fractional order discrete system: Chaos, complexity, entropy, and control*. <i>Chinese Physics B</i> , 2020, 29, 050504.	0.7	41
62	A novel chaotic hyperjerk circuit with bubbles of bifurcation: mixed-mode bursting oscillations, multistability, and circuit realization. <i>Physica Scripta</i> , 2020, 95, 075216.	1.2	39
63	A novel chaotic system with heart-shaped equilibrium and its circuit implementation. <i>Optik</i> , 2017, 131, 343-349.	1.4	37
64	A chaotic jerk system with non-hyperbolic equilibrium: Dynamics, effect of time delay and circuit realisation. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	37
65	Antimonotonicity, Crisis and Multiple Attractors in a Simple Memristive Circuit. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850026.	1.0	37
66	A Chaotic System with Two Stable Equilibrium Points: Dynamics, Circuit Realization and Communication Application. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750130.	0.7	35
67	A chaotic system with rounded square equilibrium and with no-equilibrium. <i>Optik</i> , 2017, 130, 365-371.	1.4	35
68	On Chaos in the Fractional-Order Discrete-Time Unified System and Its Control Synchronization. <i>Entropy</i> , 2018, 20, 530.	1.1	35
69	The fractional form of a new three-dimensional generalized Hénon map. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	35
70	Bistable Hidden Attractors in a Novel Chaotic System with Hyperbolic Sine Equilibrium. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 1028-1043.	1.2	34
71	Chaos synchronisation of continuous systems via scalar signal. , 2017, , .		33
72	Analysis, synchronisation and circuit design of a new highly nonlinear chaotic system. <i>International Journal of Systems Science</i> , 2018, 49, 617-630.	3.7	32

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73	Simplest Megastable Chaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950187.	0.7	32
74	Multistability and Coexisting Attractors in a New Circulant Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950174.	0.7	32
75	Dynamics and Synchronization of a Novel Hyperchaotic System Without Equilibrium. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450087.	0.7	31
76	Constructing a Chaotic System with an Infinite Number of Equilibrium Points. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650225.	0.7	31
77	Implementation of chaotic circuits with a digital time-delay block. Nonlinear Dynamics, 2012, 67, 345-355.	2.7	30
78	Fractional Form of a Chaotic Map without Fixed Points: Chaos, Entropy and Control. Entropy, 2018, 20, 720.	1.1	30
79	A Hopfield neural network with multiple attractors and its FPGA design. European Physical Journal: Special Topics, 2018, 227, 811-820.	1.2	30
80	Optimal adaptive higher order controllers subject to sliding modes for a carrier system. International Journal of Advanced Robotic Systems, 2018, 15, 172988141878209.	1.3	30
81	Dynamics of a neuron exposed to integer- and fractional-order discontinuous external magnetic flux. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 584-590.	1.5	30
82	Dead-beat synchronization control in discrete-time chaotic systems. , 2017, , .		28
83	The discrete fractional duffing system: Chaos, ∞ test, C complexity, entropy, and control. Chaos, 2020, 30, 083131.	1.0	28
84	A Dream that has Come True: Chaos from a Nonlinear Circuit with a Real Memristor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030036.	0.7	28
85	Collective behavior in a two-layer neuronal network with time-varying chemical connections that are controlled by a Petri net. Chaos, 2021, 31, 033138.	1.0	28
86	Robot Motion Planning in an Unknown Environment with Danger Space. Electronics (Switzerland), 2019, 8, 201.	1.8	27
87	The Fractional Form of the Tinkerbell Map Is Chaotic. Applied Sciences (Switzerland), 2018, 8, 2640.	1.3	26
88	A New Chaotic System with Stable Equilibrium: Entropy Analysis, Parameter Estimation, and Circuit Design. Entropy, 2018, 20, 670.	1.1	26
89	A Quadratic Fractional Map without Equilibria: Bifurcation, ∞ Test, Complexity, Entropy, and Control. Electronics (Switzerland), 2020, 9, 748.	1.8	26
90	Constructing and analyzing of a unique three-dimensional chaotic autonomous system exhibiting three families of hidden attractors. Mathematics and Computers in Simulation, 2017, 132, 172-182.	2.4	25

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91	Chaotic Map with No Fixed Points: Entropy, Implementation and Control. Entropy, 2019, 21, 279.	1.1	25
92	The Co-existence of Different Synchronization Types in Fractional-order Discrete-time Chaotic Systems with Non-identical Dimensions and Orders. Entropy, 2018, 20, 710.	1.1	24
93	A Chaotic Hyperjerk System Based on Memristive Device. Studies in Computational Intelligence, 2016, , 39-58.	0.7	23
94	Bifurcation and chaos in the fractional form of Hénon-Lozi type map. European Physical Journal: Special Topics, 2020, 229, 2261-2273.	1.2	23
95	Prediction of bifurcations by varying critical parameters of COVID-19. Nonlinear Dynamics, 2020, 101, 1681-1692.	2.7	23
96	AUTOWAVES IN MEMRISTIVE CELLULAR NEURAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230027.	0.7	22
97	Dynamic Analysis of Complex Synchronization Schemes between Integer Order and Fractional Order Chaotic Systems with Different Dimensions. Complexity, 2017, 2017, 1-12.	0.9	22
98	A novel 4D autonomous 2 \mathbb{R}^n -butterfly wing chaotic attractor. Nonlinear Dynamics, 2016, 85, 2665-2671.	2.7	21
99	Systems with Hidden Attractors. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.2	21
100	A flexible chaotic system with adjustable amplitude, largest Lyapunov exponent, and local Kaplan-Yorke dimension and its usage in engineering applications. Nonlinear Dynamics, 2018, 92, 1791-1800.	2.7	21
101	A new 4D chaotic system with hidden attractor and its engineering applications: Analog circuit design and field programmable gate array implementation. Pramana - Journal of Physics, 2018, 90, 1.	0.9	21
102	On the Three-Dimensional Fractional-Order Hénon Map with Lorenz-Like Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050217.	0.7	21
103	Synchronisation of integer-order and fractional-order discrete-time chaotic systems. Pramana - Journal of Physics, 2019, 92, 1.	0.9	20
104	An Unprecedented 2-Dimensional Discrete-Time Fractional-Order System and Its Hidden Chaotic Attractors. Mathematical Problems in Engineering, 2021, 2021, 1-10.	0.6	20
105	Finite-time stabilization of a perturbed chaotic finance model. Journal of Advanced Research, 2021, 32, 1-14.	4.4	20
106	A Three-Dimensional No-Equilibrium Chaotic System: Analysis, Synchronization and Its Fractional Order Form. Studies in Computational Intelligence, 2017, , 449-470.	0.7	19
107	Multistability and coexisting attractors in a fractional order Coronary artery system. European Physical Journal: Special Topics, 2018, 227, 837-850.	1.2	18
108	On the Stability of Linear Incommensurate Fractional-Order Difference Systems. Mathematics, 2020, 8, 1754.	1.1	18

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109	Is fractional-order chaos theory the new tool to model chaotic pandemics as Covid-19?. <i>Nonlinear Dynamics</i> , 2022, 109, 1187-1215.	2.7	18
110	Hyperchaos and Coexisting Attractors in a Modified van der Pol's Duffing Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950067.	0.7	17
111	Hopf bifurcation, antimonotonicity and amplitude controls in the chaotic Toda jerk oscillator: analysis, circuit realization and combination synchronization in its fractional-order form. <i>Automatika</i> , 2019, 60, 149-161.	1.2	17
112	Constructing non-fixed-point maps with memristors. <i>European Physical Journal Plus</i> , 2022, 137, .	1.2	16
113	Dynamics, Synchronization and SPICE Implementation of a Memristive System with Hidden Hyperchaotic Attractor. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 35-52.	0.6	15
114	Dynamics, Circuit Design, and Synchronization of a New Chaotic System with Closed Curve Equilibrium. <i>Complexity</i> , 2017, 2017, 1-9.	0.9	15
115	A fractional-order form of a system with stable equilibria and its synchronization. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	15
116	Antimonotonicity, Bifurcation and Multistability in the Vallis Model for El Niño. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950032.	0.7	15
117	Coexisting infinitely many attractors in a new chaotic system with a curve of equilibria: Its extreme multi-stability and Kolmogorov-Sinai entropy computation. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401988804.	0.8	15
118	A Novel 5D Chaotic System with Extreme Multi-stability and a Line of Equilibrium and Its Engineering Applications: Circuit Design and FPGA Implementation. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020, 44, 59-67.	1.5	15
119	Different dimensional fractional-order discrete chaotic systems based on the Caputo h-difference discrete operator: dynamics, control, and synchronization. <i>Advances in Difference Equations</i> , 2020, .	3.5	15
120	Secure Multiple-Input Multiple-Output Communications Based on M Synchronization of Fractional-Order Chaotic Systems with Non-Identical Dimensions and Orders. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1746.	1.3	14
121	Infinite line of equilibria in a novel fractional map with coexisting infinitely many attractors and initial offset boosting. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2022, .	0.4	14
122	A Nonlinear Five-Term System: Symmetry, Chaos, and Prediction. <i>Symmetry</i> , 2020, 12, 865.	1.1	14
123	A Chaotic System with an Infinite Number of Equilibrium Points: Dynamics, Horseshoe, and Synchronization. <i>Advances in Mathematical Physics</i> , 2016, 2016, 1-8.	0.4	13
124	A new transiently chaotic flow with ellipsoid equilibria. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	13
125	Spiral wave in a two-layer neuronal network. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2371-2379.	1.2	13
126	A New Chaotic Attractor Around a Pre-Located Ring. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750152.	0.7	12

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127	A No-Equilibrium Hyperchaotic System and Its Fractional-Order Form. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-11.	0.6	12
128	Synchronization Control in Reaction-Diffusion Systems: Application to Lengyel-Epstein System. <i>Complexity</i> , 2019, 2019, 1-8.	0.9	12
129	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	12
130	Chaos synchronization of fractional-order discrete-time systems with different dimensions using two scaling matrices. <i>Open Physics</i> , 2019, 17, 942-949.	0.8	12
131	Monostability, bistability, periodicity and chaos in gene regulatory network. <i>European Physical Journal: Special Topics</i> , 2018, 227, 719-730.	1.2	11
132	Analysis of a Chaotic System with Line Equilibrium and Its Application to Secure Communications Using a Descriptor Observer. <i>Technologies</i> , 2019, 7, 76.	3.0	11
133	Parameter Identification of Chaotic Systems Using a Modified Cost Function Including Static and Dynamic Information of Attractors in the State Space. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 2039-2054.	1.2	11
134	Self-Excited and Hidden Attractors in a Simple Chaotic Jerk System and in Its Time-Delayed Form: Analysis, Electronic Implementation, and Synchronization. <i>Journal of the Korean Physical Society</i> , 2020, 77, 145-152.	0.3	11
135	Synchronization Methods for the Degn-Harrison Reaction-Diffusion Systems. <i>IEEE Access</i> , 2020, 8, 91829-91836.	2.6	11
136	A new hidden attractor hyperchaotic memristor oscillator with a line of equilibria. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1279-1288.	1.2	11
137	Chaotic Control in Fractional-Order Discrete-Time Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 207-217.	0.5	11
138	A novel class of chaotic systems with different shapes of equilibrium and microcontroller-based cost-effective design for digital applications. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	11
139	Fractional-order biological system: chaos, multistability and coexisting attractors. <i>European Physical Journal: Special Topics</i> , 2022, 231, 1061-1070.	1.2	11
140	Robustness to noise in synchronization of network motifs: Experimental results. <i>Chaos</i> , 2012, 22, 043106.	1.0	10
141	Bifurcations, Hidden Chaos and Control in Fractional Maps. <i>Symmetry</i> , 2020, 12, 879.	1.1	10
142	Adaptive Consensus Control of High-Order Uncertain Nonlinear Multi-agent Systems with Fuzzy Dead-Zone. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 743-754.	2.3	10
143	Adaptive Integral Second-Order Sliding Mode Control Design for Load Frequency Control of Large-Scale Power System with Communication Delays. <i>Complexity</i> , 2021, 2021, 1-19.	0.9	10
144	Multimedia Security Application of a Ten-Term Chaotic System without Equilibrium. <i>Complexity</i> , 2017, 2017, 1-10.	0.9	9

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145	Some New Dissipative Chaotic Systems with Cyclic Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850164.	0.7	9
146	Chaos in a System with an Absolute Nonlinearity and Chaos Synchronization. Advances in Mathematical Physics, 2018, 2018, 1-12.	0.4	9
147	Dynamic system with no equilibrium and its chaos anti-synchronization. Automatika, 2018, 59, 35-42.	1.2	9
148	A Giga-Stable Oscillator with Hidden and Self-Excited Attractors: A Megastable Oscillator Forced by His Twin. Entropy, 2019, 21, 535.	1.1	9
149	Fractional Grassiâ€“Miller Map Based on the Caputo h-Difference Operator: Linear Methods for Chaos Control and Synchronization. Discrete Dynamics in Nature and Society, 2020, 2020, 1-10.	0.5	9
150	A class of unexcited hyperjerk systems with megastability and its analog and microcontroller-based embedded system design. Physica Scripta, 2020, 95, 055214.	1.2	9
151	Chaos in fractional system with extreme events. European Physical Journal: Special Topics, 2021, 230, 2021-2033.	1.2	9
152	Chaotic fractional discrete neural networks based on the Caputo h-difference operator: stabilization and linear control laws for synchronization. European Physical Journal: Special Topics, 2022, 231, 1815-1829.	1.2	9
153	Parameter Identification of a Chaotic Circuit with a Hidden Attractor Using Krill Herd Optimization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650221.	0.7	8
154	A Chaotic Time-Delay System with Saturation Nonlinearity. International Journal of System Dynamics Applications, 2017, 6, 111-129.	0.3	8
155	A Novel Class of Chaotic Flows with Infinite Equilibriums and Their Application in Chaos-Based Communication Design Using DCSK. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 609-617.	0.7	8
156	Memory Circuit Elements: Complexity, Complex Systems, and Applications. Complexity, 2019, 2019, 1-4.	0.9	8
157	Synchronous Reluctance Motor with Load Vibration Perturbation: Analysis, Electronic Implementation and Adaptive Backstepping Sliding Mode Control. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 645-654.	1.5	8
158	A Novel 4-D Hyperchaotic Rikitake Dynamo System with Hidden Attractor, its Properties, Synchronization and Circuit Design. Studies in Systems, Decision and Control, 2018, , 345-364.	0.8	8
159	An Oscillator without Linear Terms: Infinite Equilibria, Chaos, Realization, and Application. Mathematics, 2021, 9, 3315.	1.1	8
160	Hyperchaos, Control, Synchronization and Circuit Simulation of a Novel 4-D Hyperchaotic System with Three Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 297-325.	0.6	7
161	Coexistence of attractors in integer- and fractional-order three-dimensional autonomous systems with hyperbolic sine nonlinearity: Analysis, circuit design and combination synchronisation. Pramana -Journal of Physics, 2019, 93, 1.	0.9	7
162	A New Four-Dimensional Chaotic System With No Equilibrium Point. , 2019, , 63-76.		7

#	ARTICLE	IF	CITATIONS
163	A New Five Dimensional Multistable Chaotic System With Hidden Attractors. , 2019, , 77-87.		7
164	Synchronization of Fractional-Order Discrete-Time Chaotic Systems. Advances in Intelligent Systems and Computing, 2020, , 218-228.	0.5	7
165	Adaptive Control, Synchronization and Circuit Simulation of a Memristor-Based Hyperchaotic System With Hidden Attractors. Studies in Computational Intelligence, 2017, , 101-130.	0.7	6
166	Autonomous Jerk Oscillator with Cosine Hyperbolic Nonlinearity: Analysis, FPGA Implementation, and Synchronization. Advances in Mathematical Physics, 2018, 2018, 1-12.	0.4	6
167	Complexity, Dynamics, Control, and Applications of Nonlinear Systems with Multistability. Complexity, 2020, 2020, 1-7.	0.9	6
168	A Novel Chaotic System with a Line Equilibrium: Analysis and Its Applications to Secure Communication and Random Bit Generation. Telecom, 2020, 1, 283-296.	1.6	6
169	The Dynamics and Control of the Fractional Forms of Some Rational Chaotic Maps. Journal of Systems Science and Complexity, 2020, 33, 584-603.	1.6	6
170	A Hyperjerk Memristive System with Hidden Attractors. Studies in Computational Intelligence, 2017, , 59-80.	0.7	5
171	Iterative Learning and Fractional Order Control for Complex Systems. Complexity, 2019, 2019, 1-3.	0.9	5
172	A new chaotic jerk system with egg-shaped strange attractor, its dynamical analysis, backstepping control, and circuit simulation. , 2021, , 53-71.		5
173	Systems with Stable Equilibria. SpringerBriefs in Applied Sciences and Technology, 2017, , 21-35.	0.2	5
174	On the Dynamics and Control of Fractional Chaotic Maps with Sine Terms. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 589-601.	0.4	5
175	Adaptive Backstepping Control, Synchronization and Circuit Simulation of a Novel Jerk Chaotic System with a Quartic Nonlinearity. Studies in Computational Intelligence, 2016, , 109-135.	0.7	4
176	A Three-Dimensional Chaotic System with Square Equilibrium and No-Equilibrium. Studies in Computational Intelligence, 2017, , 613-635.	0.7	4
177	Investigation of dynamical properties in a chaotic flow with one unstable equilibrium: Circuit design and entropy analysis. Chaos, Solitons and Fractals, 2018, 115, 7-13.	2.5	4
178	Synchronization in a multilayer neuronal network: effect of time delays. European Physical Journal: Special Topics, 2019, 228, 2391-2403.	1.2	4
179	Effect of epistasis on the performance of genetic algorithms. Journal of Zhejiang University: Science A, 2019, 20, 109-116.	1.3	4
180	The First Experimental Evidence of Chaos from a Nonlinear Circuit with a Real Memristor. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
181	Complex behavior of COVID-19's mathematical model. European Physical Journal: Special Topics, 2022, 231, 885-891.	1.2	4
182	A Memristive System with Hidden Attractors and Its Engineering Application. Studies in Computational Intelligence, 2017, , 81-99.	0.7	3
183	A chaotic system with equilibria located on an open curve and its microcontroller implementation. , 2017, , .		3
184	New Trends on Modeling, Design, and Control of Chaotic Systems. Mathematical Problems in Engineering, 2017, 2017, 1-3.	0.6	3
185	Memristor-based Systems: Nonlinearity, Dynamics and Applications. European Physical Journal: Special Topics, 2019, 228, 1903-1906.	1.2	3
186	Observers for rectangular descriptor systems with output nonlinearities: application to secure communications and microcontroller implementation. International Journal of Dynamics and Control, 2021, 9, 530-540.	1.5	3
187	HYPERCHAOTIC DYNAMICS OF A NEW FRACTIONAL DISCRETE-TIME SYSTEM. Fractals, 0, , 2140034.	1.8	3
188	A modified simple chaotic hyperjerk circuit: coexisting bubbles of bifurcation and mixed-mode bursting oscillations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 593-607.	0.7	3
189	Jagged-shape chaotic attractors of a megastable oscillator with spatially square-wave damping. European Physical Journal: Special Topics, 0, , 1.	1.2	3
190	Discrete Chaotic Dynamics for Economics and Social Science. Discrete Dynamics in Nature and Society, 2016, 2016, 1-2.	0.5	2
191	Systems Without Equilibrium. SpringerBriefs in Applied Sciences and Technology, 2017, , 51-63.	0.2	2
192	Dynamics, Circuit Design, Synchronization, and Fractional-Order Form of a No-Equilibrium Chaotic System. , 2018, , 1-31.		2
193	Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems. Complexity, 2018, 2018, 1-3.	0.9	2
194	Effect of the policy and consumption delay on the amplitude and length of business cycle. Chaos, 2020, 30, 103124.	1.0	2
195	A novel chaotic system in the spherical coordinates. European Physical Journal: Special Topics, 2020, 229, 1257-1263.	1.2	2
196	Chimera state in a network of nonlocally coupled impact oscillators. Journal of Zhejiang University: Science A, 2021, 22, 235-244.	1.3	2
197	Synchronization Phenomena in Coupled Dynamical Systems with Hidden Attractors. Studies in Systems, Decision and Control, 2018, , 375-401.	0.8	2
198	4-D Memristive Chaotic System with Different Families of Hidden Attractors. Studies in Systems, Decision and Control, 2018, , 403-432.	0.8	2

#	ARTICLE	IF	CITATIONS
199	A Novel Chaotic System with Application to Secure Communications. , 2020, , .		2
200	Symmetric Oscillator: Special Features, Realization, and Combination Synchronization. Symmetry, 2021, 13, 2142.	1.1	2
201	Advanced Sliding Mode Observer Design for Load Frequency Control of Multiarea Multisource Power Systems. International Transactions on Electrical Energy Systems, 2022, 2022, 1-21.	1.2	2
202	Chaos in a memristive oscillator with six lines of equilibria. European Physical Journal: Special Topics, 2022, 231, 3059-3065.	1.2	2
203	FPGA-based generation of autowaves in Memristive Cellular Neural Networks. , 2012, , .		1
204	Adaptive Control and Circuit Simulation of a Novel 4-D Hyperchaotic System with Two Quadratic Nonlinearities. Studies in Computational Intelligence, 2016, , 163-187.	0.7	1
205	Chaotic behaviors in a system with a line equilibrium. , 2019, , .		1
206	Chaos in a System With Parabolic Equilibrium. , 2019, , 41-61.		1
207	Chaotic Attractor in a Novel Time-Delayed System with a Saturation Function. Advances in Computational Intelligence and Robotics Book Series, 2015, , 230-258.	0.4	1
208	Hidden Attractors in a Dynamical System with a Sine Function. Emergence, Complexity and Computation, 2021, , 459-487.	0.2	1
209	Synchronization between fractional chaotic maps with different dimensions. , 2022, , 89-121.		1
210	Stabilization of different dimensional fractional chaotic maps. , 2022, , 123-155.		1
211	Investigation of the Simplest Megastable Chaotic Oscillator with Spatially Triangular Wave Damping. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	1
212	Circuitry realization of a novel simple chaotic generator with signum nonlinearity. , 2016, , .		0
213	Circuit realization of a fractional-order chaotic jerk system. , 2017, , .		0
214	Q-S Chaos Synchronization Between Fractional-Order Master and Integer-Order Slave Systems. , 2018, , .		0
215	Corrigendum to "Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems" Complexity, 2019, 2019, 1-1.	0.9	0
216	Memristor, mem-systems and neuromorphic applications: a review. , 2021, , 265-285.		0

#	ARTICLE	IF	CITATIONS
217	Radio Frequency Chaotic Circuit Design. Advances in Computer and Electrical Engineering Book Series, 2015, , 364-398.	0.2	0
218	Systems with an Infinite Number of Equilibrium Points. SpringerBriefs in Applied Sciences and Technology, 2017, , 37-50.	0.2	0
219	A Memristor-Based Cell for Complexity. PoliTO Springer Series, 2019, , 133-141.	0.3	0
220	Chaotic behaviors in a system with stable equilibrium. World Scientific Series on Nonlinear Science, Series B, 2019, , 75-79.	0.2	0
221	Taming of the Hopf bifurcation in a driven El Niño model. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 699-704.	0.7	0
222	A Comprehensive Analysis on the Wang-Chen System: A Challenging Case for the Åilâ€™nikov Theory. Emergence, Complexity and Computation, 2021, , 573-585.	0.2	0
223	A New 3D Chaotic System with only Quadratic Nonlinearities: Analysis and Circuit Implantation. Emergence, Complexity and Computation, 2021, , 587-594.	0.2	0
224	Chaos in fractional-order difference systems. , 2022, , 257-286.		0