Viet-Thanh Pham

List of Publications by Year in Descending Order

218 papers	5,019 citations	43 h-index	60 g-index
228 ext. papers	5,869 ext. citations	2.3 avg, IF	6.4 L-index

#	Paper	IF	Citations
218	Chaos in fractional-order difference systems **2022**, 257-286		
217	Synchronization between fractional chaotic maps with different dimensions **2022**, 89-121		
216	Stabilization of different dimensional fractional chaotic maps **2022**, 123-155		1
215	Advanced Sliding Mode Observer Design for Load Frequency Control of Multiarea Multisource Power Systems. *International Transactions on Electrical Energy Systems*, **2022**, 2022, 1-21	2.2	0
214	An Oscillator without Linear Terms: Infinite Equilibria, Chaos, Realization, and Application. *Mathematics*, **2021**, 9, 3315	2.3	2
213	Complex behavior of COVID-19's mathematical model. *European Physical Journal: Special Topics*, **2021**, 1-7	2.3	0
212	Symmetric Oscillator: Special Features, Realization, and Combination Synchronization. *Symmetry*, **2021**, 13, 2142	2.7	0
211	A Comprehensive Analysis on the Wang-Chen System: A Challenging Case for the Šilnikov Theory. *Emergence, Complexity and Computation*, **2021**, 573-585	0.1	
210	A New Chaotic System with Equilibria Located on a Line and Its Circuit Implementation. *Emergence, Complexity and Computation*, **2021**, 565-572	0.1	
209	A New 3D Chaotic System with only Quadratic Nonlinearities: Analysis and Circuit Implantation. *Emergence, Complexity and Computation*, **2021**, 587-594	0.1	
208	Hidden Attractors in a Dynamical System with a Sine Function. *Emergence, Complexity and Computation*, **2021**, 459-487	0.1	
207	Chimera state in a network of nonlocally coupled impact oscillators. *Journal of Zhejiang University: Science A*, **2021**, 22, 235-244	2.1	0
206	Collective behavior in a two-layer neuronal network with time-varying chemical connections that are controlled by a Petri net. *Chaos*, **2021**, 31, 033138	3.3	11
205	Chaos in fractional system with extreme events. *European Physical Journal: Special Topics*, **2021**, 230, 1-13	2.3	2
204	Infinite line of equilibriums in a novel fractional map with coexisting infinitely many attractors and initial offset boosting. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2021**,	1.8	3
203	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	1.9	5
202	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	1.7	2

201	A new chaotic jerk system with egg-shaped strange attractor, its dynamical analysis, backstepping control, and circuit simulation **2021**, 53-71		1
200	An Unprecedented 2-Dimensional Discrete-Time Fractional-Order System and Its Hidden Chaotic Attractors. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1	9
199	Memristor, mem-systems and neuromorphic applications: a review **2021**, 265-285		
198	Adaptive Consensus Control of High-Order Uncertain Nonlinear Multi-agent Systems with Fuzzy Dead-Zone. *International Journal of Fuzzy Systems*, **2021**, 23, 743-754	3.6	3
197	Adaptive Integral Second-Order Sliding Mode Control Design for Load Frequency Control of Large-Scale Power System with Communication Delays. *Complexity*, **2021**, 2021, 1-19	1.6	2
196	Finite-time stabilization of a perturbed chaotic finance model. *Journal of Advanced Research*, **2021**, 32, 1-14	13	7
195	A Novel Chaotic System with a Line Equilibrium: Analysis and Its Applications to Secure Communication and Random Bit Generation. *Telecom*, **2020**, 1, 283-296	1.8	1
194	Fractional Grassi–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	1.1	5
193	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	2	12
192	The Dynamics and Control of the Fractional Forms of Some Rational Chaotic Maps. *Journal of Systems Science and Complexity*, **2020**, 33, 584-603	1	2
191	Synchronization Methods for the Degn-Harrison Reaction-Diffusion Systems. *IEEE Access*, **2020**, 8, 91829-91836	3.5	4
190	Bifurcations, Hidden Chaos and Control in Fractional Maps. *Symmetry*, **2020**, 12, 879	2.7	5
189	A novel chaotic hyperjerk circuit with bubbles of bifurcation: mixed-mode bursting oscillations, multistability, and circuit realization. *Physica Scripta*, **2020**, 95, 075216	2.6	17
188	A new fractional-order hyperchaotic memristor oscillator: Dynamic analysis, robust adaptive synchronization, and its application to voice encryption. *Applied Mathematics and Computation*, **2020**, 383, 125310	2.7	35
187	A Quadratic Fractional Map without Equilibria: Bifurcation, 0–1 Test, Complexity, Entropy, and Control. *Electronics (Switzerland)*, **2020**, 9, 748	2.6	13
186	Prediction of bifurcations by varying critical parameters of COVID-19. *Nonlinear Dynamics*, **2020**, 101, 1-12	5	12
185	Hidden attractors in a new fractional–order discrete system: Chaos, complexity, entropy, and control. *Chinese Physics B*, **2020**, 29, 050504	1.2	20
184	A novel chaotic system in the spherical coordinates. *European Physical Journal: Special Topics*, **2020**, 229, 1257-1263	2.3	1

183	A class of unexcited hyperjerk systems with megastability and its analog and microcontroller-based embedded system design. *Physica Scripta*, **2020**, 95, 055214	2.6	6
182	Chaos and control of a three-dimensional fractional order discrete-time system with no equilibrium and its synchronization. *AIP Advances*, **2020**, 10, 045310	1.5	20
181	A new hidden attractor hyperchaotic memristor oscillator with a line of equilibria. *European Physical Journal: Special Topics*, **2020**, 229, 1279-1288	2.3	4
180	A fractional map with hidden attractors: chaos and control. *European Physical Journal: Special Topics* , **2020**, 229, 1083-1093	2.3	21
179	On the Dynamics and Control of Fractional Chaotic Maps with Sine Terms. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2020**, 21, 589-601	1.8	2
178	Taming of the Hopf bifurcation in a driven El Niño model. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2020**, 75, 699-704	1.4	
177	Different dimensional fractional-order discrete chaotic systems based on the Caputo h-difference discrete operator: dynamics, control, and synchronization. *Advances in Difference Equations*, **2020**, 2020,	3.6	8
176	A Nonlinear Five-Term System: Symmetry, Chaos, and Prediction. *Symmetry*, **2020**, 12, 865	2.7	10
175	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	1.4	1
174	Chaotic Control in Fractional-Order Discrete-Time Systems. *Advances in Intelligent Systems and Computing*, **2020**, 207-217	0.4	9
173	Synchronization of Fractional-Order Discrete-Time Chaotic Systems. *Advances in Intelligent Systems and Computing*, **2020**, 218-228	0.4	5
172	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. *Complexity*, **2020**, 2020, 1-12	1.6	5
171	Complexity, Dynamics, Control, and Applications of Nonlinear Systems with Multistability. *Complexity*, **2020**, 2020, 1-7	1.6	4
170	Bifurcation and chaos in the fractional form of Hénon-Lozi type map. *European Physical Journal: Special Topics*, **2020**, 229, 2261-2273	2.3	9
169	Self-Excited and Hidden Attractors in a Simple Chaotic Jerk System and in Its Time-Delayed Form: Analysis, Electronic Implementation, and Synchronization. *Journal of the Korean Physical Society*, **2020**, 77, 145-152	0.6	7
168	The discrete fractional duffing system: Chaos, 0-1 test, C complexity, entropy, and control. *Chaos*, **2020**, 30, 083131	3.3	15
167	On the Stability of Linear Incommensurate Fractional-Order Difference Systems. *Mathematics*, **2020** , 8, 1754	2.3	6
166	The First Experimental Evidence of Chaos from a Nonlinear Circuit with a Real Memristor **2020**,		3

147	Synchronisation of integer-order and fractional-order discrete-time chaotic systems **2019**, 92, 1		15
146	Entropy Analysis and Neural Network-Based Adaptive Control of a Non-Equilibrium Four-Dimensional Chaotic System with Hidden Attractors. *Entropy*, **2019**, 21,	2.8	55
145	Corrigendum to Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems *Complexity*, **2019**, 2019, 1-1	1.6	
144	Hyperchaos and Coexisting Attractors in a Modified van der Pol Duffing Oscillator. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950067	2	13
143	Chaotic behaviors in a system with a line equilibrium **2019**,		1
142	Synchronization in a multilayer neuronal network: effect of time delays. *European Physical Journal: Special Topics*, **2019**, 228, 2391-2403	2.3	3
141	Analysis of a Chaotic System with Line Equilibrium and Its Application to Secure Communications Using a Descriptor Observer. *Technologies*, **2019**, 7, 76	2.4	8
140	Chaos synchronization of fractional order discrete time systems with different dimensions using two scaling matrices. *Open Physics*, **2019**, 17, 942-949	1.3	8
139	A Memristor-Based Cell for Complexity. *PoliTO Springer Series*, **2019**, 133-141	0.4	
138	Chaotic behaviors in a system with stable equilibrium. *World Scientific Series on Nonlinear Science, Series B*, **2019**, 75-79	0.3	
137	Synchronization Control in Reaction-Diffusion Systems: Application to Lengyel-Epstein System. *Complexity*, **2019**, 2019, 1-8	1.6	6
136	Simplest Megastable Chaotic Oscillator. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950187	2	16
135	Multistability and Coexisting Attractors in a New Circulant Chaotic System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950174	2	13
134	Coexisting infinitely many attractors in a new chaotic system with a curve of equilibria: Its extreme multi-stability and Kolmogorov Sinai entropy computation. *Advances in Mechanical Engineering*, **2019**, 11, 168781401988804	1.2	10
133	On fractional order discrete time systems: Chaos, stabilization and synchronization. *Chaos, Solitons and Fractals*, **2019**, 119, 150-162	9.3	59
132	Effect of epistasis on the performance of genetic algorithms. *Journal of Zhejiang University: Science A*, **2019**, 20, 109-116	2.1	1
131	Memory Circuit Elements: Complexity, Complex Systems, and Applications. *Complexity*, **2019**, 2019, 1-4	1.6	8
130	Parameter Identification of Chaotic Systems Using a Modified Cost Function Including Static and Dynamic Information of Attractors in the State Space. *Circuits, Systems, and Signal Processing*, **2019**, 38, 2039-2054	2.2	8

129	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	1.4	55
128	A chaotic jerk system with non-hyperbolic equilibrium: Dynamics, effect of time delay and circuit realisation **2018**, 90, 1		27
127	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	5	15
126	A simple fractional-order chaotic system without equilibrium and its synchronization. *AEU - International Journal of Electronics and Communications*, **2018**, 86, 69-76	2.8	42
125	A new four-dimensional system containing chaotic or hyper-chaotic attractors with no equilibrium, a line of equilibria and unstable equilibria. *Chaos, Solitons and Fractals*, **2018**, 111, 108-118	9.3	39
124	A new oscillator with infinite coexisting asymmetric attractors. *Chaos, Solitons and Fractals*, **2018**, 110, 252-258	9.3	36
123	A new transiently chaotic flow with ellipsoid equilibria **2018**, 90, 1		11
122	Analysis, synchronisation and circuit design of a new highly nonlinear chaotic system. *International Journal of Systems Science*, **2018**, 49, 617-630	2.3	26
121	A new 4D chaotic system with hidden attractor and its engineering applications: Analog circuit design and field programmable gate array implementation **2018**, 90, 1		16
120	A new hidden chaotic attractor with extreme multi-stability. *AEU - International Journal of Electronics and Communications*, **2018**, 89, 131-135	2.8	54
119	Antimonotonicity, Crisis and Multiple Attractors in a Simple Memristive Circuit. *Journal of Circuits, Systems and Computers*, **2018**, 27, 1850026	0.9	28
118	Bistable Hidden Attractors in a Novel Chaotic System with Hyperbolic Sine Equilibrium. *Circuits, Systems, and Signal Processing*, **2018**, 37, 1028-1043	2.2	27
117	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	2.8	46
116	Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems. *Complexity*, **2018**, 2018, 1-3	1.6	1
115	On Chaos in the Fractional-Order Discrete-Time Unified System and Its Control Synchronization. *Entropy*, **2018**, 20,	2.8	24
114	Complex dynamics of a neuron model with discontinuous magnetic induction and exposed to external radiation. *Cognitive Neurodynamics*, **2018**, 12, 607-614	4.2	25
113	A Modified Multistable Chaotic Oscillator. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850085	2	52
112	Dynamic system with no equilibrium and its chaos anti-synchronization. *Automatika*, **2018**, 59, 35-42	1.6	5

111	A fractional-order form of a system with stable equilibria and its synchronization. *Advances in Difference Equations*, **2018**, 2018,	3.6	11
110	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	1.4	6
109	Optimal adaptive higher order controllers subject to sliding modes for a carrier system. *International Journal of Advanced Robotic Systems*, **2018**, 15, 172988141878209	1.4	19
108	A no-equilibrium memristive system with four-wing hyperchaotic attractor. *AEU - International Journal of Electronics and Communications*, **2018**, 95, 207-215	2.8	33
107	A new nonlinear oscillator with infinite number of coexisting hidden and self-excited attractors. *Chinese Physics B*, **2018**, 27, 040502	1.2	53
106	A novel class of chaotic systems with different shapes of equilibrium and microcontroller-based cost-effective design for digital applications. *European Physical Journal Plus*, **2018**, 133, 1	3.1	8
105	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	7
104	Synchronization Phenomena in Coupled Dynamical Systems with Hidden Attractors. *Studies in Systems, Decision and Control*, **2018**, 375-401	0.8	2
103	4-D Memristive Chaotic System with Different Families of Hidden Attractors. *Studies in Systems, Decision and Control*, **2018**, 403-432	0.8	1
102	A Novel Cubic–Equilibrium Chaotic System with Coexisting Hidden Attractors: Analysis, and Circuit Implementation. *Journal of Circuits, Systems and Computers*, **2018**, 27, 1850066	0.9	37
101	A Chaotic System with Infinite Equilibria and Its S-Box Constructing Application. *Applied Sciences (Switzerland)*, **2018**, 8, 2132	2.6	34
100	The Fractional Form of the Tinkerbell Map Is Chaotic. *Applied Sciences (Switzerland)*, **2018**, 8, 2640	2.6	18
99	Some New Dissipative Chaotic Systems with Cyclic Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850164	2	5
98	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	9.3	4
97	Fractional Form of a Chaotic Map without Fixed Points: Chaos, Entropy and Control. *Entropy*, **2018**, 20,	2.8	25
96	Dynamics, Circuit Design, Synchronization, and Fractional-Order Form of a No-Equilibrium Chaotic System **2018**, 1-31		1
95	A Hopfield neural network with multiple attractors and its FPGA design. *European Physical Journal: Special Topics*, **2018**, 227, 811-820	2.3	23
94	Secure Multiple-Input Multiple-Output Communications Based on FM Synchronization of Fractional-Order Chaotic Systems with Non-Identical Dimensions and Orders. *Applied Sciences (Switzerland)*, **2018**, 8, 1746	2.6	10

93	Multistability and coexisting attractors in a fractional order Coronary artery system. *European Physical Journal: Special Topics*, **2018**, 227, 837-850	2.3	10
92	Monostability, bistability, periodicity and chaos in gene regulatory network. *European Physical Journal: Special Topics*, **2018**, 227, 719-730	2.3	6
91	The Co-existence of Different Synchronization Types in Fractional-order Discrete-time Chaotic Systems with Non-identical Dimensions and Orders. *Entropy*, **2018**, 20,	2.8	15
90	Autonomous Jerk Oscillator with Cosine Hyperbolic Nonlinearity: Analysis, FPGA Implementation, and Synchronization. *Advances in Mathematical Physics*, **2018**, 2018, 1-12	1.1	4
89	A New Chaotic System with Stable Equilibrium: Entropy Analysis, Parameter Estimation, and Circuit Design. *Entropy*, **2018**, 20,	2.8	21
88	Chaos in a System with an Absolute Nonlinearity and Chaos Synchronization. *Advances in Mathematical Physics*, **2018**, 2018, 1-12	1.1	6
87	A Novel Four-Dimensional Hyperchaotic Four-Wing System With a Saddle-Focus Equilibrium. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 339-343	3.5	37
86	Chameleon: the most hidden chaotic flow. *Nonlinear Dynamics*, **2017**, 88, 2303-2317	5	69
85	A Hyperjerk Memristive System with Hidden Attractors. *Studies in Computational Intelligence*, **2017**, 59-80	0.8	2
84	A Memristive System with Hidden Attractors and Its Engineering Application. *Studies in Computational Intelligence*, **2017**, 81-99	0.8	2
83	Adaptive Control, Synchronization and Circuit Simulation of a Memristor-Based Hyperchaotic System With Hidden Attractors. *Studies in Computational Intelligence*, **2017**, 101-130	0.8	5
82	Systems with Hidden Attractors. *SpringerBriefs in Applied Sciences and Technology*, **2017**,	0.4	19
81	A Three-Dimensional No-Equilibrium Chaotic System: Analysis, Synchronization and Its Fractional Order Form. *Studies in Computational Intelligence*, **2017**, 449-470	0.8	17
80	A Three-Dimensional Chaotic System with Square Equilibrium and No-Equilibrium. *Studies in Computational Intelligence*, **2017**, 613-635	0.8	4
79	A chaotic system with an infinite number of equilibrium points located on a line and on a hyperbola and its fractional-order form. *Chaos, Solitons and Fractals*, **2017**, 99, 209-218	9.3	46
78	A simple three-dimensional fractional-order chaotic system without equilibrium: Dynamics, circuitry implementation, chaos control and synchronization. *AEU - International Journal of Electronics and Communications*, **2017**, 78, 220-227	2.8	69
77	Chaos-based application of a novel no-equilibrium chaotic system with coexisting attractors. *Nonlinear Dynamics*, **2017**, 89, 1877-1887	5	48
76	Generating a Chaotic System with One Stable Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750053	2	45

#	Title		
75	Dynamics, circuit realization, control and synchronization of a hyperchaotic hyperjerk system with coexisting attractors. *Nonlinear Dynamics*, **2017**, 89, 1673-1687	5	49
74	A New Chaotic System With Stable Equilibrium: From Theoretical Model to Circuit Implementation. *IEEE Access*, **2017**, 5, 8851-8858	3.5	45
73	A chaotic system with equilibria located on an open curve and its microcontroller implementation **2017**,		2
72	Dead-beat synchronization control in discrete-time chaotic systems **2017**,		27
71	Chaos synchronisation of continuous systems via scalar signal **2017**,		32
70	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	2.8	65
69	Dynamics, FPGA realization and application of a chaotic system with an infinite number of equilibrium points. *Nonlinear Dynamics*, **2017**, 89, 1129-1139	5	60
68	A simple chaotic circuit with a hyperbolic sine function and its use in a sound encryption scheme. *Nonlinear Dynamics*, **2017**, 89, 1047-1061	5	72
67	Systems Without Equilibrium. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 51-63	0.4	2
66	Four-wing attractors in a novel chaotic system with hyperbolic sine nonlinearity. *Optik*, **2017**, 131, 1071-1078	2.7	70
65	An adaptive observer synchronization using chaotic time-delay system for secure communication. *Nonlinear Dynamics*, **2017**, 90, 2583-2598	5	31
64	A New Chaotic Attractor Around a Pre-Located Ring. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750152	2	10
63	New Trends on Modeling, Design, and Control of Chaotic Systems. *Mathematical Problems in Engineering*, **2017**, 2017, 1-3	1.1	3
62	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. *Complexity*, **2017**, 2017, 1-11	1.6	68
61	Multimedia Security Application of a Ten-Term Chaotic System without Equilibrium. *Complexity*, **2017**, 2017, 1-10	1.6	7
60	Dynamics, Circuit Design, and Synchronization of a New Chaotic System with Closed Curve Equilibrium. *Complexity*, **2017**, 2017, 1-9	1.6	12
59	A No-Equilibrium Hyperchaotic System and Its Fractional-Order Form. *Mathematical Problems in Engineering*, **2017**, 2017, 1-11	1.1	9
58	A Chaotic Time-Delay System with Saturation Nonlinearity. *International Journal of System Dynamics Applications*, **2017**, 6, 111-129	0.7	6

57	Different Families of Hidden Attractors in a New Chaotic System with Variable Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750138	2	37
56	A Chaotic System with Two Stable Equilibrium Points: Dynamics, Circuit Realization and Communication Application. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750130	2	29
55	From Wang⎯Chen System with Only One Stable Equilibrium to a New Chaotic System Without Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750097	2	34
54	A chaotic system with rounded square equilibrium and with no-equilibrium. *Optik*, **2017**, 130, 365-371	2.5	32
53	Coexistence of hidden chaotic attractors in a novel no-equilibrium system. *Nonlinear Dynamics*, **2017**, 87, 2001-2010	5	148
52	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	3.3	24
51	Using chaotic artificial neural networks to model memory in the brain. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 44, 449-459	3.7	50
50	A novel chaotic system with heart-shaped equilibrium and its circuital implementation. *Optik*, **2017**, 131, 343-349	2.5	30
49	Dynamic Analysis of Complex Synchronization Schemes between Integer Order and Fractional Order Chaotic Systems with Different Dimensions. *Complexity*, **2017**, 2017, 1-12	1.6	19
48	Systems with an Infinite Number of Equilibrium Points. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 37-50	0.4	
47	Systems with Stable Equilibria. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 21-35	0.4	4
46	Simple Chaotic Flows with a Curve of Equilibria. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1630034	2	87
45	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	2.2	67
44	A Chaotic System With Equilibria Located on the Rounded Square Loop and Its Circuit Implementation. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2016**, 63, 878-882	3.5	95
43	Multiscroll Chaotic Sea Obtained from a Simple 3D System Without Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650031	2	138
42	A no-equilibrium hyperchaotic system with a cubic nonlinear term. *Optik*, **2016**, 127, 3259-3265	2.5	94
41	A novel memristive neural network with hidden attractors and its circuitry implementation. *Science China Technological Sciences*, **2016**, 59, 358-363	3.5	126
40	Discrete Chaotic Dynamics for Economics and Social Science. *Discrete Dynamics in Nature and Society*, **2016**, 2016, 1-2	1.1	2

39	A Chaotic System with an Infinite Number of Equilibrium Points: Dynamics, Horseshoe, and Synchronization. *Advances in Mathematical Physics*, **2016**, 2016, 1-8	1.1	12
38	A chaotic system with infinite equilibria located on a piecewise linear curve. *Optik*, **2016**, 127, 9111-9117	2.5	72
37	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	2	54
36	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	2	8
35	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	2	27
34	A Chaotic Hyperjerk System Based on Memristive Device. *Studies in Computational Intelligence*, **2016**, 39-58	0.8	21
33	Adaptive Backstepping Control, Synchronization and Circuit Simulation of a Novel Jerk Chaotic System with a Quartic Nonlinearity. *Studies in Computational Intelligence*, **2016**, 109-135	0.8	2
32	Adaptive Control and Circuit Simulation of a Novel 4-D Hyperchaotic System with Two Quadratic Nonlinearities. *Studies in Computational Intelligence*, **2016**, 163-187	0.8	1
31	A novel 4D autonomous 2(varvec{n})-butterfly wing chaotic attractor. *Nonlinear Dynamics*, **2016**, 85, 2665-2671	5	19
30	Dynamics, Synchronization and SPICE Implementation of a Memristive System with Hidden Hyperchaotic Attractor. *Studies in Fuzziness and Soft Computing*, **2016**, 35-52	0.7	15
29	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	0.7	7
28	A Chaotic System with Different Shapes of Equilibria. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650069	2	70
27	Bifurcation analysis and circuit realization for multiple-delayed Wang–Chen system with hidden chaotic attractors. *Nonlinear Dynamics*, **2016**, 85, 1635-1650	5	68
26	A Chaotic System with Different Families of Hidden Attractors. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650139	2	50
25	Simple chaotic 3D flows with surfaces of equilibria. *Nonlinear Dynamics*, **2016**, 86, 1349-1358	5	104
24	A chaotic system with a single unstable node. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2030-2036	2.3	62
23	A Novel No-Equilibrium Chaotic System with Multiwing Butterfly Attractors. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550056	2	104
22	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		73

21	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
20	Global Chaos Control of a Novel Nine-Term Chaotic System via Sliding Mode Control. *Studies in Computational Intelligence*, **2015**, 571-590	0.8	44
19	Multi-scroll Chaotic Oscillator Based on a First-Order Delay Differential Equation. *Studies in Computational Intelligence*, **2015**, 59-72	0.8	14
18	Radio Frequency Chaotic Circuit Design. *Advances in Computer and Electrical Engineering Book Series*, **2015**, 364-398	0.3	
17	Constructing a Novel No-Equilibrium Chaotic System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450073	2	140
16	Dynamics and Synchronization of a Novel Hyperchaotic System Without Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450087	2	26
15	A memristive hyperchaotic system without equilibrium. *Scientific World Journal, The*, **2014**, 2014, 368986	2.2	38
14	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	2	64
13	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	2	58
12	Hyperchaos, adaptive control and synchronization of a novel 5-D hyperchaotic system with three positive Lyapunov exponents and its SPICE implementation. *Archives of Control Sciences*, **2014**, 24, 409-446		78
11	Adaptive backstepping control, synchronization and circuit simulation of a 3-D novel jerk chaotic system with two hyperbolic sinusoidal nonlinearities. *Archives of Control Sciences*, **2014**, 24, 375-403		82
10	SIMPLE MEMRISTIVE TIME-DELAY CHAOTIC SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350073	2	34
9	Implementation of chaotic circuits with a digital time-delay block. *Nonlinear Dynamics*, **2012**, 67, 345-355	5	24
8	FPGA-based generation of autowaves in Memristive Cellular Neural Networks **2012**,		1
7	AUTOWAVES IN MEMRISTIVE CELLULAR NEURAL NETWORKS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1230027	2	16
6	Robustness to noise in synchronization of network motifs: experimental results. *Chaos*, **2012**, 22, 043106	3.3	8
5	Chaotic fractional discrete neural networks based on the Caputo h-difference operator: stabilization and linear control laws for synchronization. *European Physical Journal: Special Topics*, 1	2.3	0
4	Jagged-shape chaotic attractors of a megastable oscillator with spatially square-wave damping. *European Physical Journal: Special Topics*, 1	2.3	0

3	Fractional-order biological system: chaos, multistability and coexisting attractors. *European Physical Journal: Special Topics*,1	2.3	0
2	HYPERCHAOTIC DYNAMICS OF A NEW FRACTIONAL DISCRETE-TIME SYSTEM. *Fractals*,2140034	3.2	1
1	Is fractional-order chaos theory the new tool to model chaotic pandemics as Covid-19?. *Nonlinear Dynamics*,	5	1