Sajad Jafari

List of Publications by Year
in descending order

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342 papers	11,704 citations	26567 56 h-index	45213 90 g-index
348 all docs	348 docs citations	348 times ranked	2811 citing authors

#	Article	IF	Citations
1	Hidden attractors in dynamical systems. Physics Reports, 2016, 637, 1-50.	10.3	531
2	Simple chaotic flows with a line equilibrium. Chaos, Solitons and Fractals, 2013, 57, 79-84.	2.5	460
3	Elementary quadratic chaotic flows with no equilibria. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 699-702.	0.9	422
4	SIMPLE CHAOTIC FLOWS WITH ONE STABLE EQUILIBRIUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350188.	0.7	307
5	Recent new examples of hidden attractors. European Physical Journal: Special Topics, 2015, 224, 1469-1476.	1.2	209
6	Coexistence of hidden chaotic attractors in a novel no-equilibrium system. Nonlinear Dynamics, 2017, 87, 2001-2010.	2.7	176
7	A novel memristive neural network with hidden attractors and its circuitry implementation. Science China Technological Sciences, 2016, 59, 358-363.	2.0	172
8	Chimeras. Physics Reports, 2021, 898, 1-114.	10.3	172
9	Constructing a Novel No-Equilibrium Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450073.	0.7	167
10	Megastability: Coexistence of a countable infinity of nested attractors in a periodically-forced oscillator with spatially-periodic damping. European Physical Journal: Special Topics, 2017, 226, 1979-1985.	1.2	163
11	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.	0.7	151
12	A Simple Chaotic Flow with a Plane of Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650098.	0.7	149
13	Three-dimensional chaotic autonomous system with only one stable equilibrium: Analysis, circuit design, parameter estimation, control, synchronization and its fractional-order form. European Physical Journal Plus, 2014, 129, 1.	1.2	139
14	Simple chaotic 3D flows with surfaces of equilibria. Nonlinear Dynamics, 2016, 86, 1349-1358.	2.7	126
15	Hidden attractors in a chaotic system with an exponential nonlinear term. European Physical Journal: Special Topics, 2015, 224, 1507-1517.	1.2	120
16	A Novel No-Equilibrium Chaotic System with Multiwing Butterfly Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550056.	0.7	119
17	A fractional-order model for the novel coronavirus (COVID-19) outbreak. Nonlinear Dynamics, 2020, 101, 711-718.	2.7	119
18	Complete analysis and engineering applications of a megastable nonlinear oscillator. International Journal of Non-Linear Mechanics, 2018, 107, 126-136.	1.4	115

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19	Dynamical analysis of a new multistable chaotic system with hidden attractor: Antimonotonicity, coexisting multiple attractors, and offset boosting. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1450-1456.	0.9	111
20	A novel memristive timeâ€“delay chaotic system without equilibrium points. European Physical Journal: Special Topics, 2016, 225, 127-136.	1.2	105
21	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.	2.2	102
22	A no-equilibrium hyperchaotic system with a cubic nonlinear term. Optik, 2016, 127, 3259-3265.	1.4	102
23	Simple Chaotic Flows with a Curve of Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630034.	0.7	99
24	S-Box Based Image Encryption Application Using a Chaotic System without Equilibrium. Applied Sciences (Switzerland), 2019, 9, 781.	1.3	90
25	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.	1.7	85
26	Chameleon: the most hidden chaotic flow. Nonlinear Dynamics, 2017, 88, 2303-2317.	2.7	84
27	Chaotic chameleon: Dynamic analyses, circuit implementation, FPGA design and fractional-order form with basic analyses. Chaos, Solitons and Fractals, 2017, 103, 476-487.	2.5	81
28	A new hidden chaotic attractor with extreme multi-stability. AEU - International Journal of Electronics and Communications, 2018, 89, 131-135.	1.7	80
29	Cost Function Based on Gaussian Mixture Model for Parameter Estimation of a Chaotic Circuit with a Hidden Attractor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450010.	0.7	78
30	Synchronization and circuit design of a chaotic system with coexisting hidden attractors. European Physical Journal: Special Topics, 2015, 224, 1637-1652.	1.2	76
31	Synchronizability of two neurons with switching in the coupling. Applied Mathematics and Computation, 2019, 350, 217-223.	1.4	76
32	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
33	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
34	A chaotic system with infinite equilibria located on a piecewise linear curve. Optik, 2016, 127, 9111-9117.	1.4	74
35	Robust finite-time synchronization of a class of chaotic systems via adaptive global sliding mode control. JVC/Journal of Vibration and Control, 2018, 24, 3842-3854.	1.5	74
36	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

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37	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
38	A New Fractional-Order Chaotic System with Different Families of Hidden and Self-Excited Attractors. Entropy, 2018, 20, 564.	1.1	70
39	Pumped-storage unit commitment with considerations for energy demand, economics, and environmental constraints. Energy, 2010, 35, 4092-4101.	4.5	69
40	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
41	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
42	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
43	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
44	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
45	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
46	Extreme multi-stability: When imperfection changes quality. Chaos, Solitons and Fractals, 2018, 108, 182-186.	2.5	66
47	A Modified Multistable Chaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850085.	0.7	66
48	Firing patterns of an improved Izhikevich neuron model under the effect of electromagnetic induction and noise. Chaos, Solitons and Fractals, 2020, 137, 109782.	2.5	66
49	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
50	Nonstationary chimeras in a neuronal network. Europhysics Letters, 2018, 123, 48003.	0.7	61
51	Synchronization in Hindmarshâ€“Rose neurons subject to higher-order interactions. Chaos, 2022, 32, 013125.	1.0	61
52	A chaotic model of sustaining attention problem in attention deficit disorder. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 174-185.	1.7	60
53	A chaotic memcapacitor oscillator with two unstable equilibriums and its fractional form with engineering applications. Nonlinear Dynamics, 2018, 91, 957-974.	2.7	60
54	A new nonlinear oscillator with infinite number of coexisting hidden and self-excited attractors. Chinese Physics B, 2018, 27, 040502.	0.7	60

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55	Chaos-based application of a novel no-equilibrium chaotic system with coexisting attractors. Nonlinear Dynamics, 2017, 89, 1877-1887.	2.7	59
56	New family of 4-D hyperchaotic and chaotic systems with quadric surfaces of equilibria. Chaos, Solitons and Fractals, 2018, 106, 243-257.	2.5	59
57	A New Chaotic System With Stable Equilibrium: From Theoretical Model to Circuit Implementation. IEEE Access, 2017, 5, 8851-8858.	2.6	57
58	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.	2.5	57
59	Time delayed chemical synapses and synchronization in multilayer neuronal networks with ephaptic inter-layer coupling. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105175.	1.7	57
60	A gallery of chaotic systems with an infinite number of equilibrium points. Chaos, Solitons and Fractals, 2016, 93, 58-63.	2.5	56
61	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.	2.5	56
62	A Chaotic System with Different Families of Hidden Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650139.	0.7	55
63	Modeling of epilepsy based on chaotic artificial neural network. Chaos, Solitons and Fractals, 2017, 105, 150-156.	2.5	55
64	Synchronization and chimeras in a network of photosensitive FitzHughâ€“Nagumo neurons. Nonlinear Dynamics, 2021, 104, 2711-2721.	2.7	54
65	Artificial neural network-based modeling of brain response to flicker light. Nonlinear Dynamics, 2015, 81, 1951-1967.	2.7	53
66	Are Perpetual Points Sufficient for Locating Hidden Attractors?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750037.	0.7	53
67	Chemical and electrical synapse-modulated dynamical properties of coupled neurons under magnetic flow. Applied Mathematics and Computation, 2019, 348, 42-56.	1.4	52
68	Generating a Chaotic System with One Stable Equilibrium. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750053.	0.7	50
69	Hyperchaotic Memcapacitor Oscillator with Infinite Equilibria and Coexisting Attractors. Circuits, Systems, and Signal Processing, 2018, 37, 3702-3724.	1.2	50
70	A new chaotic system with hidden attractor and its engineering applications: analog circuit realization and image encryption. Analog Integrated Circuits and Signal Processing, 2019, 98, 85-99.	0.9	50
71	Effects of partial time delays on synchronization patterns in Izhikevich neuronal networks. European Physical Journal B, 2019, 92, 1.	0.6	50
72	Two Simplest Quadratic Chaotic Maps Without Equilibrium. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850144.	0.7	49

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73	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. Chaos, 2020, 30, 033112.	1.0	48
74	AGE-BASED VARIATIONS OF FRACTAL STRUCTURE OF EEG SIGNAL IN PATIENTS WITH EPILEPSY. Fractals, 2018, 26, 1850051.	1.8	47
75	A no-equilibrium memristive system with four-wing hyperchaotic attractor. AEU - International Journal of Electronics and Communications, 2018, 95, 207-215.	1.7	47
76	From Wangâ€“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.	0.7	46
77	A Novel Cubicâ€“Equilibrium Chaotic System with Coexisting Hidden Attractors: Analysis, and Circuit Implementation. Journal of Circuits, Systems and Computers, 2018, 27, 1850066.	1.0	46
78	Elimination of spiral waves in excitable media by magnetic induction. Nonlinear Dynamics, 2018, 94, 679-692.	2.7	46
79	Dynamic analysis and electronic circuit implementation of a novel 3D autonomous system without linear terms. Communications in Nonlinear Science and Numerical Simulation, 2017, 52, 62-76.	1.7	45
80	Multivariate Multiscale Complexity Analysis of Self-Reproducing Chaotic Systems. Entropy, 2018, 20, 556.	1.1	44
81	FRACTAL-BASED ANALYSIS OF THE INFLUENCE OF AUDITORY STIMULI ON EYE MOVEMENTS. Fractals, 2018, 26, 1850040.	1.8	43
82	FRACTAL-BASED CLASSIFICATION OF HUMAN BRAIN RESPONSE TO LIVING AND NON-LIVING VISUAL STIMULI. Fractals, 2018, 26, 1850069.	1.8	43
83	Defects formation and spiral waves in a network of neurons in presence of electromagnetic induction. Cognitive Neurodynamics, 2018, 12, 235-254.	2.3	42
84	Limitation of Perpetual Points for Confirming Conservation in Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550182.	0.7	41
85	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.	0.7	41
86	Effects of different initial conditions on the emergence of chimera states. Chaos, Solitons and Fractals, 2018, 114, 306-311.	2.5	41
87	Can Lyapunov exponent predict critical transitions in biological systems?. Nonlinear Dynamics, 2017, 88, 1493-1500.	2.7	40
88	Predicting tipping points of dynamical systems during a period-doubling route to chaos. Chaos, 2018, 28, 073102.	1.0	40
89	Different synaptic connections evoke different firing patterns in neurons subject to an electromagnetic field. Nonlinear Dynamics, 2020, 100, 1809-1824.	2.7	40
90	A novel chaotic hyperjerk circuit with bubbles of bifurcation: mixed-mode bursting oscillations, multistability, and circuit realization. Physica Scripta, 2020, 95, 075216.	1.2	39

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91	Modification of the Logistic Map Using Fuzzy Numbers with Application to Pseudorandom Number Generation and Image Encryption. Entropy, 2020, 22, 474.	1.1	38
92	A novel chaotic system with heart-shaped equilibrium and its circuital implementation. Optik, 2017, 131, 343-349.	1.4	37
93	A chaotic jerk system with non-hyperbolic equilibrium: Dynamics, effect of time delay and circuit realisation. Pramana - Journal of Physics, 2018, 90, 1.	0.9	37
94	COMPLEXITY-BASED ANALYSIS OF THE DIFFERENCE IN SPEECH-EVOKED AUDITORY BRAINSTEM RESPONSES (s-ABRs) BETWEEN BINAURAL AND MONAURAL LISTENING CONDITIONS. Fractals, 2018, 26, 1850052.	1.8	37
95	Complexity-Based Analysis of the Relation Between Fractal Visual Stimuli and Fractal Eye Movements. Fluctuation and Noise Letters, 2019, 18, 1950012.	1.0	37
96	Imperfect chimeras in a ring of four-dimensional simplified Lorenz systems. Chaos, Solitons and Fractals, 2018, 110, 203-208.	2.5	36
97	Chimera in a network of memristor-based Hopfield neural network. European Physical Journal: Special Topics, 2019, 228, 2023-2033.	1.2	36
98	Dynamical behavior and network analysis of an extended Hindmarshâ€“Rose neuron model. Nonlinear Dynamics, 2019, 98, 477-487.	2.7	36
99	DECODING OF WRIST MOVEMENTSâ€™ DIRECTION BY FRACTAL ANALYSIS OF MAGNETOENCEPHALOGRAPHY (MEG) SIGNAL. Fractals, 2019, 27, 1950001.	1.8	36
100	Blinking coupling enhances network synchronization. Physical Review E, 2022, 105, .	0.8	36
101	A chaotic system with rounded square equilibrium and with no-equilibrium. Optik, 2017, 130, 365-371.	1.4	35
102	A new chaotic model for glucose-insulin regulatory system. Chaos, Solitons and Fractals, 2018, 112, 44-51.	2.5	35
103	Information-Based Analysis of the Relation Between Visual Stimuli and Human Eye Movements. Fluctuation and Noise Letters, 2019, 18, 1950010.	1.0	35
104	A new megastable nonlinear oscillator with infinite attractors. Chaos, Solitons and Fractals, 2020, 134, 109703.	2.5	35
105	Artificial neural networks: powerful tools for modeling chaotic behavior in the nervous system. Frontiers in Computational Neuroscience, 2014, 8, 40.	1.2	34
106	Bistable Hidden Attractors in a Novel Chaotic System with Hyperbolic Sine Equilibrium. Circuits, Systems, and Signal Processing, 2018, 37, 1028-1043.	1.2	34
107	Chaotic Dynamics of Modified Wien Bridge Oscillator with Fractional Order Memristor. Radioengineering, 2019, 27, 165-174.	0.3	34
108	Taking control of initiated propagating wave in a neuronal network using magnetic radiation. Applied Mathematics and Computation, 2018, 338, 141-151.	1.4	33

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109	FRACTAL-BASED ANALYSIS OF THE INFLUENCE OF COLOR TONALITY ON HUMAN EYE MOVEMENTS. Fractals, 2019, 27, 1950040.	1.8	33
110	ESTIMATING OF BRAIN DEVELOPMENT IN NEWBORNS BY FRACTAL ANALYSIS OF SLEEP ELECTROENCEPHALOGRAPHIC (EEG) SIGNAL. Fractals, 2019, 27, 1950021.	1.8	33
111	Coexisting Infinite Equilibria and Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2130014.	0.7	33
112	Analysis, synchronisation and circuit design of a new highly nonlinear chaotic system. International Journal of Systems Science, 2018, 49, 617-630.	3.7	32
113	Fractional Order Synchronous Reluctance Motor: Analysis, Chaos Control and FPGA Implementation. Asian Journal of Control, 2018, 20, 1979-1993.	1.9	32
114	Spiral waves in externally excited neuronal network: Solvable model with a monotonically differentiable magnetic flux. Chaos, 2019, 29, 043109.	1.0	32
115	Simplest Megastable Chaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950187.	0.7	32
116	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
117	COMPLEXITY-BASED ANALYSIS OF THE INFLUENCE OF VISUAL STIMULUS COLOR ON HUMAN EYE MOVEMENT. Fractals, 2019, 27, 1950002.	1.8	32
118	Coexisting attractors in a fractional order hydro turbine governing system and fuzzy PID based chaos control. Asian Journal of Control, 2021, 23, 894-907.	1.9	32
119	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
120	Categorizing Chaotic Flows from the Viewpoint of Fixed Points and Perpetual Points. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750023.	0.7	31
121	Complexity-Based Analysis of the Difference Between Normal Subjects and Subjects with Stuttering in Speech Evoked Auditory Brainstem Response. Journal of Medical and Biological Engineering, 2019, 39, 490-497.	1.0	31
122	Chimeras in an adaptive neuronal network with burst-timing-dependent plasticity. Neurocomputing, 2020, 406, 117-126.	3.5	31
123	The simple chaotic model of passive dynamic walking. Nonlinear Dynamics, 2018, 93, 1183-1199.	2.7	30
124	A New Memristive Neuron Map Model and Its Networkâ€™s Dynamics under Electrochemical Coupling. Electronics (Switzerland), 2022, 11, 153.	1.8	30
125	A new four-dimensional hyperjerk system with stable equilibrium point, circuit implementation, and its synchronization by using an adaptive integrator backstepping control. Chinese Physics B, 2018, 27, 100501.	0.7	29
126	Suppression of spiral wave turbulence by means of periodic plane waves in two-layer excitable media. Chaos, Solitons and Fractals, 2019, 128, 229-233.	2.5	29

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127	Layla and Majnun: a complex love story. Nonlinear Dynamics, 2016, 83, 615-622.	2.7	28
128	Simulation and experimental implementation of a lineâ€“equilibrium system without linear term. Chaos, Solitons and Fractals, 2019, 120, 213-221.	2.5	28
129	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
130	A Gaussian mixture model based cost function for parameter estimation of chaotic biological systems. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 469-481.	1.7	27
131	Wave propagation and spiral wave formation in a Hindmarshâ€“Rose neuron model with fractional-order threshold memristor synaps. International Journal of Modern Physics B, 2020, 34, 2050157.	1.0	27
132	Traveling patterns in a network of memristor-based oscillators with extreme multistability. European Physical Journal: Special Topics, 2019, 228, 2123-2131.	1.2	26
133	COMPLEXITY-BASED ANALYSIS OF THE RELATION BETWEEN MOVING VISUAL STIMULI AND HUMAN EYE MOVEMENT. Fractals, 2019, 27, 1950024.	1.8	26
134	Synchronization and chimera states in the network of electrochemically coupled memristive Rulkov neuron maps. Mathematical Biosciences and Engineering, 2021, 18, 9394-9409.	1.0	26
135	A chaotic viewpoint on noise reduction from respiratory sounds. Biomedical Signal Processing and Control, 2014, 10, 245-249.	3.5	25
136	Critical slowing down as an early warning of transitions in episodes of bipolar disorder: A simulation study based on a computational model of circadian activity rhythms. Chronobiology International, 2017, 34, 235-245.	0.9	25
137	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
138	Modified jerk system with self-exciting and hidden flows and the effect of time delays on existence of multi-stability. Nonlinear Dynamics, 2018, 93, 1087-1108.	2.7	25
139	A fractional system with five terms: analysis, circuit, chaos control and synchronization. International Journal of Electronics, 2019, 106, 109-120.	0.9	25
140	Multiscroll chaotic system with sigmoid nonlinearity and its fractional order form with synchronization application. International Journal of Non-Linear Mechanics, 2019, 116, 262-272.	1.4	25
141	DECODING OF SIMPLE HAND MOVEMENTS BY FRACTAL ANALYSIS OF ELECTROMYOGRAPHY (EMG) SIGNAL. Fractals, 2019, 27, 1950042.	1.8	25
142	Categories of Conservative Flows. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950021.	0.7	25
143	A Novel Mega-stable Chaotic Circuit. Radioengineering, 2020, 29, 140-146.	0.3	25
144	Effect of magnetic induction on the synchronizability of coupled neuron network. Chaos, 2021, 31, 083115.	1.0	25

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145	Some remarks on chaotic systems. International Journal of General Systems, 2012, 41, 329-330.	1.2	24
146	A Chaotic Hyperjerk System Based on Memristive Device. Studies in Computational Intelligence, 2016, , 39-58.	0.7	23
147	Wavefront-obstacle interactions and the initiation of reentry in excitable media. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1162-1173.	1.2	23
148	Chimera states in a ring of map-based neurons. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122596.	1.2	23
149	Multistability Control of Space Magnetization in Hyperjerk Oscillator: A Case Study. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	23
150	Effects of autapse on the chimera state in a Hindmarsh-Rose neuronal network. Chaos, Solitons and Fractals, 2021, 153, 111498.	2.5	23
151	A Tribute to J. C. Sprott. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750221.	0.7	22
152	Autonomous Van der Polâ€“Duffing snap oscillator: analysis, synchronization and applications to real-time image encryption. International Journal of Dynamics and Control, 2018, 6, 1008-1022.	1.5	22
153	Complete dynamical analysis of a neuron under magnetic flow effect. Chinese Journal of Physics, 2018, 56, 2254-2264.	2.0	22
154	Critical slowing down indicators. Europhysics Letters, 2020, 132, 18001.	0.7	22
155	Time-delayed chameleon: Analysis, synchronization and FPGA implementation. Pramana - Journal of Physics, 2017, 89, 1.	0.9	21
156	A flexible chaotic system with adjustable amplitude, largest Lyapunov exponent, and local Kaplanâ€“Yorke dimension and its usage in engineering applications. Nonlinear Dynamics, 2018, 92, 1791-1800.	2.7	21
157	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
158	A novel parametrically controlled multi-scroll chaotic attractor along with electronic circuit design. European Physical Journal Plus, 2018, 133, 1.	1.2	21
159	Simple Chaotic Systems with Specific Analytical Solutions. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950116.	0.7	21
160	Noise induced suppression of spiral waves in a hybrid FitzHughâ€“Nagumo neuron with discontinuous resetting. Chaos, 2021, 31, 073117.	1.0	21
161	Transitions from chimeras to coherence: An analytical approach by means of the coherent stability function. Physical Review E, 2019, 100, 012315.	0.8	20
162	Multivariable coupling and synchronization in complex networks. Applied Mathematics and Computation, 2020, 372, 124996.	1.4	20

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163	Complete dynamical analysis of a neocortical network model. Nonlinear Dynamics, 2020, 100, 2699-2714.	2.7	20
164	Extensions in dynamic models of happiness: effect of memory. International Journal of Happiness and Development, 2014, 1, 344.	0.1	19
165	Hidden Attractor in a Passive Motion Model of Compass-Gait Robot. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850171.	0.7	19
166	A Simple Chaotic System With Topologically Different Attractors. IEEE Access, 2019, 7, 89936-89947.	2.6	19
167	Further dynamical analysis of modified Fitzhughâ€“Nagumo model under the electric field. Nonlinear Dynamics, 2020, 101, 521-529.	2.7	19
168	Suppressing spiral waves in a lattice array of coupled neurons using delayed asymmetric synapse coupling. Chaos, Solitons and Fractals, 2021, 146, 110855.	2.5	19
169	Dynamics and circuit of a chaotic system with a curve of equilibrium points. International Journal of Electronics, 2017, , 1-13.	0.9	18
170	Hopf bifurcation and chaos in time-delay model of glucose-insulin regulatory system. Chaos, Solitons and Fractals, 2020, 137, 109845.	2.5	18
171	Oyster oscillator: a novel mega-stable nonlinear chaotic system. European Physical Journal: Special Topics, 2022, 231, 2143-2151.	1.2	18
172	Is Attention a â€œPeriod Windowâ€•in the Chaotic Brain?. Journal of Neuropsychiatry and Clinical Neurosciences, 2013, 25, E05-E05.	0.9	17
173	Toward a complex system understanding of bipolar disorder: A chaotic model of abnormal circadian activity rhythms in euthymic bipolar disorder. Australian and New Zealand Journal of Psychiatry, 2016, 50, 783-792.	1.3	17
174	NARX prediction of some rare chaotic flows: Recurrent fuzzy functions approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 696-706.	0.9	17
175	Controlling Coexisting Attractors of Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950207.	0.7	17
176	Chaotic dynamics of a fractional order glucose-insulin regulatory system. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1108-1118.	1.5	17
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