

Sajad Jafari

List of Publications by Citations

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

317
papers

8,638
citations

48
h-index

80
g-index

347
ext. papers

10,297
ext. citations

3.1
avg, IF

7.05
L-index

#	Paper	IF	Citations
317	Hidden attractors in dynamical systems. <i>Physics Reports</i> , 2016 , 637, 1-50	27.7	424
316	Simple chaotic flows with a line equilibrium. <i>Chaos, Solitons and Fractals</i> , 2013 , 57, 79-84	9.3	380
315	Elementary quadratic chaotic flows with no equilibria. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 699-702	2.3	369
314	SIMPLE CHAOTIC FLOWS WITH ONE STABLE EQUILIBRIUM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350188	2	262
313	Recent new examples of hidden attractors. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 1469-1476	17.6	178
312	Coexistence of hidden chaotic attractors in a novel no-equilibrium system. <i>Nonlinear Dynamics</i> , 2017 , 87, 2001-2010	5	148
311	Constructing a Novel No-Equilibrium Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450073	2	140
310	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	2	138
309	A Simple Chaotic Flow with a Plane of Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650098	2	133
308	Three-dimensional chaotic autonomous system with only one stable equilibrium: Analysis, circuit design, parameter estimation, control, synchronization and its fractional-order form. <i>European Physical Journal Plus</i> , 2014 , 129, 1	3.1	131
307	A novel memristive neural network with hidden attractors and its circuitry implementation. <i>Science China Technological Sciences</i> , 2016 , 59, 358-363	3.5	126
306	Megastability: Coexistence of a countable infinity of nested attractors in a periodically-forced oscillator with spatially-periodic damping. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 1979-1985	2.3	126
305	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	2	104
304	Simple chaotic 3D flows with surfaces of equilibria. <i>Nonlinear Dynamics</i> , 2016 , 86, 1349-1358	5	104
303	Hidden attractors in a chaotic system with an exponential nonlinear term. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 1507-1517	2.3	100
302	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	3.5	95
301	A no-equilibrium hyperchaotic system with a cubic nonlinear term. <i>Optik</i> , 2016 , 127, 3259-3265	2.5	94

300	A novel memristive time delay chaotic system without equilibrium points. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 127-136	2.3	94
299	Simple Chaotic Flows with a Curve of Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1630034	2	87
298	Complete analysis and engineering applications of a megastable nonlinear oscillator. <i>International Journal of Non-Linear Mechanics</i> , 2018 , 107, 126-136	2.8	82
297	Dynamical analysis of a new multistable chaotic system with hidden attractor: Antimonotonicity, coexisting multiple attractors, and offset boosting. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 1450-1456	2.3	72
296	A fractional-order model for the novel coronavirus (COVID-19) outbreak. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-8	5	72
295	Cost Function Based on Gaussian Mixture Model for Parameter Estimation of a Chaotic Circuit with a Hidden Attractor. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450010	2	72
294	A chaotic system with infinite equilibria located on a piecewise linear curve. <i>Optik</i> , 2016 , 127, 9111-9117	2.5	72
293	Chaotic chameleon: Dynamic analyses, circuit implementation, FPGA design and fractional-order form with basic analyses. <i>Chaos, Solitons and Fractals</i> , 2017 , 103, 476-487	9.3	71
292	A Chaotic System with Different Shapes of Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650069	2	70
291	Chameleon: the most hidden chaotic flow. <i>Nonlinear Dynamics</i> , 2017 , 88, 2303-2317	5	69
290	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	2.8	69
289	Synchronization and circuit design of a chaotic system with coexisting hidden attractors. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 1637-1652	2.3	69
288	Three-Dimensional Chaotic Autonomous System with a Circular Equilibrium: Analysis, Circuit Implementation and Its Fractional-Order Form. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 1933-1948	2.2	67
287	Dynamics and circuit realization of a no-equilibrium chaotic system with a boostable variable. <i>AEU - International Journal of Electronics and Communications</i> , 2017 , 78, 134-140	2.8	65
286	Is that Really Hidden? The Presence of Complex Fixed-Points in Chaotic Flows with No Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450146	2	64
285	A chaotic system with a single unstable node. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2030-2036	2.3	62
284	Robust finite-time synchronization of a class of chaotic systems via adaptive global sliding mode control. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 3842-3854	2	62
283	Dynamics, FPGA realization and application of a chaotic system with an infinite number of equilibrium points. <i>Nonlinear Dynamics</i> , 2017 , 89, 1129-1139	5	60

282	S-Box Based Image Encryption Application Using a Chaotic System without Equilibrium. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 781	2.6	60
281	Pumped-storage unit commitment with considerations for energy demand, economics, and environmental constraints. <i>Energy</i> , 2010 , 35, 4092-4101	7.9	60
280	A New Cost Function for Parameter Estimation of Chaotic Systems Using Return Maps as Fingerprints. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450134	2	58
279	A New Chaotic Flow with Hidden Attractor: The First Hyperjerk System with No Equilibrium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 239-249	1.4	55
278	A new hidden chaotic attractor with extreme multi-stability. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 89, 131-135	2.8	54
277	The Relationship Between Chaotic Maps and Some Chaotic Systems with Hidden Attractors. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650211	2	54
276	A new nonlinear oscillator with infinite number of coexisting hidden and self-excited attractors. <i>Chinese Physics B</i> , 2018 , 27, 040502	1.2	53
275	Extreme multi-stability: When imperfection changes quality. <i>Chaos, Solitons and Fractals</i> , 2018 , 108, 182-186	3.6	52
274	A Modified Multistable Chaotic Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850085	2	52
273	A New Fractional-Order Chaotic System with Different Families of Hidden and Self-Excited Attractors. <i>Entropy</i> , 2018 , 20,	2.8	52
272	Using chaotic artificial neural networks to model memory in the brain. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 44, 449-459	3.7	50
271	A gallery of chaotic systems with an infinite number of equilibrium points. <i>Chaos, Solitons and Fractals</i> , 2016 , 93, 58-63	9.3	50
270	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	2	50
269	Chaos-based application of a novel no-equilibrium chaotic system with coexisting attractors. <i>Nonlinear Dynamics</i> , 2017 , 89, 1877-1887	5	48
268	Nonstationary chimeras in a neuronal network. <i>Europhysics Letters</i> , 2018 , 123, 48003	1.6	48
267	Synchronizability of two neurons with switching in the coupling. <i>Applied Mathematics and Computation</i> , 2019 , 350, 217-223	2.7	47
266	A chaotic model of sustaining attention problem in attention deficit disorder. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 174-185	3.7	47
265	New family of 4-D hyperchaotic and chaotic systems with quadric surfaces of equilibria. <i>Chaos, Solitons and Fractals</i> , 2018 , 106, 243-257	9.3	47

264	Chimeras. <i>Physics Reports</i> , 2021 , 898, 1-114	27.7	47
263	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	9.3	46
262	A hyperchaotic memristor oscillator with fuzzy based chaos control and LQR based chaos synchronization. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 94, 55-68	2.8	46
261	Are Perpetual Points Sufficient for Locating Hidden Attractors?. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750037	2	45
260	Generating a Chaotic System with One Stable Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750053	2	45
259	A New Chaotic System With Stable Equilibrium: From Theoretical Model to Circuit Implementation. <i>IEEE Access</i> , 2017 , 5, 8851-8858	3.5	45
258	A new chaotic system with hidden attractor and its engineering applications: analog circuit realization and image encryption. <i>Analog Integrated Circuits and Signal Processing</i> , 2019 , 98, 85-99	1.2	42
257	A chaotic memcapacitor oscillator with two unstable equilibriums and its fractional form with engineering applications. <i>Nonlinear Dynamics</i> , 2018 , 91, 957-974	5	42
256	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	9.3	39
255	FRACTAL-BASED ANALYSIS OF THE INFLUENCE OF AUDITORY STIMULI ON EYE MOVEMENTS. <i>Fractals</i> , 2018 , 26, 1850040	3.2	39
254	Multivariate Multiscale Complexity Analysis of Self-Reproducing Chaotic Systems. <i>Entropy</i> , 2018 , 20,	2.8	39
253	Dynamic analysis and electronic circuit implementation of a novel 3D autonomous system without linear terms. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 52, 62-76	3.7	37
252	Defects formation and spiral waves in a network of neurons in presence of electromagnetic induction. <i>Cognitive Neurodynamics</i> , 2018 , 12, 235-254	4.2	37
251	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	2	37
250	Artificial neural network-based modeling of brain response to flicker light. <i>Nonlinear Dynamics</i> , 2015 , 81, 1951-1967	5	37
249	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	0.9	37
248	AGE-BASED VARIATIONS OF FRACTAL STRUCTURE OF EEG SIGNAL IN PATIENTS WITH EPILEPSY. <i>Fractals</i> , 2018 , 26, 1850051	3.2	36
247	FRACTAL-BASED CLASSIFICATION OF HUMAN BRAIN RESPONSE TO LIVING AND NON-LIVING VISUAL STIMULI. <i>Fractals</i> , 2018 , 26, 1850069	3.2	36

246	Chemical and electrical synapse-modulated dynamical properties of coupled neurons under magnetic flow. <i>Applied Mathematics and Computation</i> , 2019 , 348, 42-56	2.7	36
245	Can Lyapunov exponent predict critical transitions in biological systems?. <i>Nonlinear Dynamics</i> , 2017 , 88, 1493-1500	5	35
244	Hyperchaotic Memcapacitor Oscillator with Infinite Equilibria and Coexisting Attractors. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 3702-3724	2.2	35
243	COMPLEXITY-BASED ANALYSIS OF THE DIFFERENCE IN SPEECH-EVOKED AUDITORY BRAINSTEM RESPONSES (s-ABRs) BETWEEN BINAURAL AND MONAURAL LISTENING CONDITIONS. <i>Fractals</i> , 2018 , 26, 1850052	3.2	35
242	Effects of different initial conditions on the emergence of chimera states. <i>Chaos, Solitons and Fractals</i> , 2018 , 114, 306-311	9.3	35
241	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	2	34
240	Limitation of Perpetual Points for Confirming Conservation in Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550182	2	34
239	A no-equilibrium memristive system with four-wing hyperchaotic attractor. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 95, 207-215	2.8	33
238	Imperfect chimeras in a ring of four-dimensional simplified Lorenz systems. <i>Chaos, Solitons and Fractals</i> , 2018 , 110, 203-208	9.3	32
237	A chaotic system with rounded square equilibrium and with no-equilibrium. <i>Optik</i> , 2017 , 130, 365-371	2.5	32
236	Effects of partial time delays on synchronization patterns in Izhikevich neuronal networks. <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	32
235	DECODING OF WRIST MOVEMENTS DIRECTION BY FRACTAL ANALYSIS OF MAGNETOENCEPHALOGRAPHY (MEG) SIGNAL. <i>Fractals</i> , 2019 , 27, 1950001	3.2	32
234	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. <i>Chaos</i> , 2020 , 30, 033112	3.3	31
233	A new chaotic model for glucose-insulin regulatory system. <i>Chaos, Solitons and Fractals</i> , 2018 , 112, 44-51	9.3	31
232	Predicting tipping points of dynamical systems during a period-doubling route to chaos. <i>Chaos</i> , 2018 , 28, 073102	3.3	31
231	Modeling of epilepsy based on chaotic artificial neural network. <i>Chaos, Solitons and Fractals</i> , 2017 , 105, 150-156	9.3	31
230	Elimination of spiral waves in excitable media by magnetic induction. <i>Nonlinear Dynamics</i> , 2018 , 94, 679-692	3.1	31
229	Artificial neural networks: powerful tools for modeling chaotic behavior in the nervous system. <i>Frontiers in Computational Neuroscience</i> , 2014 , 8, 40	3.5	30

228	A novel chaotic system with heart-shaped equilibrium and its circuital implementation. <i>Optik</i> , 2017 , 131, 343-349	2.5	30
227	Two Simplest Quadratic Chaotic Maps Without Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850144	2	30
226	Categorizing Chaotic Flows from the Viewpoint of Fixed Points and Perpetual Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750023	2	29
225	Taking control of initiated propagating wave in a neuronal network using magnetic radiation. <i>Applied Mathematics and Computation</i> , 2018 , 338, 141-151	2.7	28
224	Complexity-Based Analysis of the Difference Between Normal Subjects and Subjects with Stuttering in Speech Evoked Auditory Brainstem Response. <i>Journal of Medical and Biological Engineering</i> , 2019 , 39, 490-497	2.2	28
223	Time delayed chemical synapses and synchronization in multilayer neuronal networks with ephaptic inter-layer coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 84, 105175	3.7	28
222	A chaotic jerk system with non-hyperbolic equilibrium: Dynamics, effect of time delay and circuit realisation 2018 , 90, 1		27
221	Bistable Hidden Attractors in a Novel Chaotic System with Hyperbolic Sine Equilibrium. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 1028-1043	2.2	27
220	Constructing a Chaotic System with an Infinite Number of Equilibrium Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650225	2	27
219	ESTIMATING OF BRAIN DEVELOPMENT IN NEWBORNS BY FRACTAL ANALYSIS OF SLEEP ELECTROENCEPHALOGRAPHIC (EEG) SIGNAL. <i>Fractals</i> , 2019 , 27, 1950021	3.2	27
218	COMPLEXITY-BASED ANALYSIS OF THE INFLUENCE OF VISUAL STIMULUS COLOR ON HUMAN EYE MOVEMENT. <i>Fractals</i> , 2019 , 27, 1950002	3.2	27
217	Information-Based Analysis of the Relation Between Visual Stimuli and Human Eye Movements. <i>Fluctuation and Noise Letters</i> , 2019 , 18, 1950010	1.2	26
216	Analysis, synchronisation and circuit design of a new highly nonlinear chaotic system. <i>International Journal of Systems Science</i> , 2018 , 49, 617-630	2.3	26
215	Chaotic Dynamics of Modified Wien Bridge Oscillator with Fractional Order Memristor. <i>Radioengineering</i> , 2019 , 27, 165-174	0.8	25
214	Fractional Order Synchronous Reluctance Motor: Analysis, Chaos Control and FPGA Implementation. <i>Asian Journal of Control</i> , 2018 , 20, 1979-1993	1.7	25
213	Complexity-Based Analysis of the Relation Between Fractal Visual Stimuli and Fractal Eye Movements. <i>Fluctuation and Noise Letters</i> , 2019 , 18, 1950012	1.2	24
212	Chimera in a network of memristor-based Hopfield neural network. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2023-2033	2.3	24
211	Constructing and analyzing of a unique three-dimensional chaotic autonomous system exhibiting three families of hidden attractors. <i>Mathematics and Computers in Simulation</i> , 2017 , 132, 172-182	3.3	24

210	Spiral waves in externally excited neuronal network: Solvable model with a monotonically differentiable magnetic flux. <i>Chaos</i> , 2019 , 29, 043109	3.3	23
209	A Gaussian mixture model based cost function for parameter estimation of chaotic biological systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 469-481	3.7	23
208	A new megastable nonlinear oscillator with infinite attractors. <i>Chaos, Solitons and Fractals</i> , 2020 , 134, 109703	9.3	23
207	Simulation and experimental implementation of a line equilibrium system without linear term. <i>Chaos, Solitons and Fractals</i> , 2019 , 120, 213-221	9.3	22
206	Some remarks on chaotic systems. <i>International Journal of General Systems</i> , 2012 , 41, 329-330	2.1	22
205	A new four-dimensional hyperjerk system with stable equilibrium point, circuit implementation, and its synchronization by using an adaptive integrator backstepping control. <i>Chinese Physics B</i> , 2018 , 27, 100501	1.2	22
204	FRACTAL-BASED ANALYSIS OF THE INFLUENCE OF COLOR TONALITY ON HUMAN EYE MOVEMENTS. <i>Fractals</i> , 2019 , 27, 1950040	3.2	21
203	Firing patterns of an improved Izhikevich neuron model under the effect of electromagnetic induction and noise. <i>Chaos, Solitons and Fractals</i> , 2020 , 137, 109782	9.3	21
202	Multiscroll chaotic system with sigmoid nonlinearity and its fractional order form with synchronization application. <i>International Journal of Non-Linear Mechanics</i> , 2019 , 116, 262-272	2.8	21
201	A Chaotic Hyperjerk System Based on Memristive Device. <i>Studies in Computational Intelligence</i> , 2016 , 39-58	0.8	21
200	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. <i>Chronobiology International</i> , 2017 , 34, 235-245	3.6	19
199	Wavefront-obstacle interactions and the initiation of reentry in excitable media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 509, 1162-1173	3.3	19
198	A fractional system with five terms: analysis, circuit, chaos control and synchronization. <i>International Journal of Electronics</i> , 2019 , 106, 109-120	1.2	19
197	Time-delayed chameleon: Analysis, synchronization and FPGA implementation 2017 , 89, 1		19
196	Coexisting Infinite Equilibria and Chaos. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2130014	2	19
195	A chaotic viewpoint on noise reduction from respiratory sounds. <i>Biomedical Signal Processing and Control</i> , 2014 , 10, 245-249	4.9	18
194	Coexisting attractors in a fractional order hydro turbine governing system and fuzzy PID based chaos control. <i>Asian Journal of Control</i> , 2021 , 23, 894-907	1.7	18
193	Dynamical behavior and network analysis of an extended HindmarshRose neuron model. <i>Nonlinear Dynamics</i> , 2019 , 98, 477-487	5	17

192	A novel chaotic hyperjerk circuit with bubbles of bifurcation: mixed-mode bursting oscillations, multistability, and circuit realization. <i>Physica Scripta</i> , 2020 , 95, 075216	2.6	17
191	Modification of the Logistic Map Using Fuzzy Numbers with Application to Pseudorandom Number Generation and Image Encryption. <i>Entropy</i> , 2020 , 22,	2.8	17
190	COMPLEXITY-BASED ANALYSIS OF THE RELATION BETWEEN MOVING VISUAL STIMULI AND HUMAN EYE MOVEMENT. <i>Fractals</i> , 2019 , 27, 1950024	3.2	17
189	Autonomous Van der Pol-Duffing snap oscillator: analysis, synchronization and applications to real-time image encryption. <i>International Journal of Dynamics and Control</i> , 2018 , 6, 1008-1022	1.7	17
188	A Simple Chaotic System With Topologically Different Attractors. <i>IEEE Access</i> , 2019 , 7, 89936-89947	3.5	16
187	Different synaptic connections evoke different firing patterns in neurons subject to an electromagnetic field. <i>Nonlinear Dynamics</i> , 2020 , 100, 1809-1824	5	16
186	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
185	Comment on [Parameter identification and synchronization of fractional-order chaotic systems] [Commun Nonlinear Sci Numer Simulat 2012;17:305-6]. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 811-814	3.7	16
184	Simplest Megastable Chaotic Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950187	2	16
183	DECODING OF SIMPLE HAND MOVEMENTS BY FRACTAL ANALYSIS OF ELECTROMYOGRAPHY (EMG) SIGNAL. <i>Fractals</i> , 2019 , 27, 1950042	3.2	15
182	A flexible chaotic system with adjustable amplitude, largest Lyapunov exponent, and local Kaplan-Yorke dimension and its usage in engineering applications. <i>Nonlinear Dynamics</i> , 2018 , 92, 1791-1800	5	15
181	Modified jerk system with self-exciting and hidden flows and the effect of time delays on existence of multi-stability. <i>Nonlinear Dynamics</i> , 2018 , 93, 1087-1108	5	15
180	The simple chaotic model of passive dynamic walking. <i>Nonlinear Dynamics</i> , 2018 , 93, 1183-1199	5	15
179	NARX prediction of some rare chaotic flows: Recurrent fuzzy functions approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 696-706	2.3	15
178	Complete dynamical analysis of a neuron under magnetic flow effect. <i>Chinese Journal of Physics</i> , 2018 , 56, 2254-2264	3.5	15
177	Transitions from chimeras to coherence: An analytical approach by means of the coherent stability function. <i>Physical Review E</i> , 2019 , 100, 012315	2.4	15
176	Dynamics and circuit of a chaotic system with a curve of equilibrium points. <i>International Journal of Electronics</i> , 2017 , 1-13	1.2	15
175	Toward a complex system understanding of bipolar disorder: A chaotic model of abnormal circadian activity rhythms in euthymic bipolar disorder. <i>Australian and New Zealand Journal of Psychiatry</i> , 2016 , 50, 783-92	2.6	15

174	Layla and Majnun: a complex love story. <i>Nonlinear Dynamics</i> , 2016 , 83, 615-622	5	14
173	Categories of Conservative Flows. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950021	2	14
172	Chimeras in an adaptive neuronal network with burst-timing-dependent plasticity. <i>Neurocomputing</i> , 2020 , 406, 117-126	5-4	14
171	Traveling patterns in a network of memristor-based oscillators with extreme multistability. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2123-2131	2-3	14
170	Extensions in dynamic models of happiness: effect of memory. <i>International Journal of Happiness and Development</i> , 2014 , 1, 344	0-4	14
169	A Tribute to J. C. Sprott. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750221	2	14
168	Synchronization and chimeras in a network of photosensitive FitzHugh-Nagumo neurons. <i>Nonlinear Dynamics</i> , 2021 , 104, 2711-2721	5	14
167	Hidden Attractor in a Passive Motion Model of Compass-Gait Robot. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850171	2	14
166	Twin birds inside and outside the cage. <i>Chaos, Solitons and Fractals</i> , 2018 , 112, 135-140	9-3	14
165	Chimera states in a ring of map-based neurons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 536, 122596	3-3	13
164	Comment on Parameters identification of chaotic systems by quantum-behaved particle swarm optimization [Int. J. Comput. Math. 86(12) (2009), pp. 2225-235]. <i>International Journal of Computer Mathematics</i> , 2013 , 90, 903-905	1-2	13
163	Multistability Control of Space Magnetization in Hyperjerk Oscillator: A Case Study. <i>Journal of Computational and Nonlinear Dynamics</i> , 2020 , 15,	1-4	13
162	Multistability and Coexisting Attractors in a New Circulant Chaotic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950174	2	13
161	A Novel Mega-stable Chaotic Circuit. <i>Radioengineering</i> , 2020 , 29, 140-146	0-8	13
160	Simple Chaotic Systems with Specific Analytical Solutions. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950116	2	12
159	Suppression of spiral wave turbulence by means of periodic plane waves in two-layer excitable media. <i>Chaos, Solitons and Fractals</i> , 2019 , 128, 229-233	9-3	12
158	An Exponential Jerk System: Circuit Realization, Fractional Order and Time Delayed Form with Dynamical Analysis and Its Engineering Application. <i>Journal of Circuits, Systems and Computers</i> , 2019 , 28, 1950087	0-9	12
157	Is attention a "period window" in the chaotic brain?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013 , 25, E05	2-7	12

156	Sparse Recovery and Dictionary Learning to Identify the Nonlinear Dynamical Systems: One Step Toward Finding Bifurcation Points in Real Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950030	2	11
155	Wave propagation and spiral wave formation in a Hindmarsh-Rose neuron model with fractional-order threshold memristor synaps. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050157 ¹	1.1	11
154	A new transiently chaotic flow with ellipsoid equilibria 2018 , 90, 1		11
153	Introducing a chaotic map with a wide range of long-term memory as a model of patch-clamped ion channels current time series. <i>Chaos, Solitons and Fractals</i> , 2019 , 126, 361-368	9.3	11
152	Is Attention Deficit Hyperactivity Disorder a Kind of Intermittent Chaos?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013 , 25, E02-E02	2.7	11
151	Multivariable coupling and synchronization in complex networks. <i>Applied Mathematics and Computation</i> , 2020 , 372, 124996	2.7	11
150	Collective behavior in a two-layer neuronal network with time-varying chemical connections that are controlled by a Petri net. <i>Chaos</i> , 2021 , 31, 033138	3.3	11
149	A novel parametrically controlled multi-scroll chaotic attractor along with electronic circuit design. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	11
148	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	2	10
147	A novel noise reduction method based on geometrical properties of continuous chaotic signals. <i>Scientia Iranica</i> , 2012 , 19, 1837-1842	1.5	10
146	Is attention deficit hyperactivity disorder a kind of intermittent chaos?. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013 , 25, E2	2.7	10
145	An exponential jerk system, its fractional-order form with dynamical analysis and engineering application. <i>Soft Computing</i> , 2020 , 24, 7469-7479	3.5	10
144	Synchronization patterns in a blinking multilayer neuronal network. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2465-2474	2.3	9
143	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	2	9
142	Synchronization in Hindmarsh-Rose neurons subject to higher-order interactions.. <i>Chaos</i> , 2022 , 32, 013135	3.5	9
141	Noise induced suppression of spiral waves in a hybrid FitzHugh-Nagumo neuron with discontinuous resetting. <i>Chaos</i> , 2021 , 31, 073117	3.3	9
140	Controlling Coexisting Attractors of Conditional Symmetry. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950207	2	9
139	Fuzzy predictive controller for chaotic flows based on continuous signals. <i>Chaos, Solitons and Fractals</i> , 2018 , 106, 349-354	9.3	9

138	Analysis, Control and FPGA Implementation of a Fractional-Order Modified Shinriki Circuit. <i>Journal of Circuits, Systems and Computers</i> , 2019 , 28, 1950232	0.9	8
137	Fracmemristor chaotic oscillator with multistable and antimonotonicity properties. <i>Journal of Advanced Research</i> , 2020 , 25, 137-145	13	8
136	A New Category of Three-Dimensional Chaotic Flows with Identical Eigenvalues. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050026	2	8
135	A novel viewpoint on parameter estimation in a chaotic neuron model. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2013 , 25, E19	2.7	8
134	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	3.1	8
133	Parameter Identification of a Chaotic Circuit with a Hidden Attractor Using Krill Herd Optimization. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650221	2	8
132	A New Megastable Oscillator with Rational and Irrational Parameters. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950176	2	8
131	A new chaotic network model for epilepsy. <i>Applied Mathematics and Computation</i> , 2019 , 346, 395-407	2.7	8
130	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	2.2	8
129	Analysis, Synchronization and Microcontroller Implementation of a New Quasiperiodically Forced Chaotic Oscillator with Megastability. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 31-45	1.9	8
128	A family of circulant megastable chaotic oscillators, its application for the detection of a feeble signal and PID controller for time-delay systems by using chaotic SCA algorithm. <i>Chaos, Solitons and Fractals</i> , 2021 , 148, 110992	9.3	8
127	Effect of magnetic induction on the synchronizability of coupled neuron network. <i>Chaos</i> , 2021 , 31, 083115	15	8
126	The role of coupling factors on the emergence of synchronization and chimera patterns in network of non-locally coupled pancreatic β cells. <i>Europhysics Letters</i> , 2019 , 125, 60001	1.6	7
125	Hopf bifurcation and chaos in time-delay model of glucose-insulin regulatory system. <i>Chaos, Solitons and Fractals</i> , 2020 , 137, 109845	9.3	7
124	Is there any geometrical information in the nervous system?. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 121	3.5	7
123	Critical slowing down indicators. <i>Europhysics Letters</i> , 2020 , 132, 18001	1.6	7
122	Effects of autapse on the chimera state in a Hindmarsh-Rose neuronal network. <i>Chaos, Solitons and Fractals</i> , 2021 , 153, 111498	9.3	7
121	Chaotic dynamics of a fractional order glucose-insulin regulatory system. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020 , 21, 1108-1118	2.2	7

120	Further dynamical analysis of modified Fitzhugh-Nagumo model under the electric field. <i>Nonlinear Dynamics</i> , 2020 , 101, 521-529	5	7
119	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	0.6	7
118	A new chaotic multi-stable hyperjerk system with various types of attractors. <i>Indian Journal of Physics</i> , 2020 , 1	1.4	7
117	Suppressing spiral waves in a lattice array of coupled neurons using delayed asymmetric synapse coupling. <i>Chaos, Solitons and Fractals</i> , 2021 , 146, 110855	9.3	7
116	Chimera State in the Network of Fractional-Order Fitzhugh-Nagumo Neurons. <i>Complexity</i> , 2021 , 2021, 1-9	1.6	7
115	A Novel Approach to Numerical Modeling of Metabolic System: Investigation of Chaotic Behavior in Diabetes Mellitus. <i>Complexity</i> , 2018 , 2018, 1-11	1.6	7
114	Experimental Observations and Circuit Realization of a Jerk Chaotic System With Piecewise Nonlinear Function 2019 , 3-21		6
113	Complete dynamical analysis of a neocortical network model. <i>Nonlinear Dynamics</i> , 2020 , 100, 2699-2714	5	6
112	Coexisting chaotic attractors in a memristive system and their amplitude control 2020 , 94, 1		6
111	A Simple Snap Oscillator with Coexisting Attractors, Its Time-Delayed Form, Physical Realization, and Communication Designs. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 385-398	1.4	6
110	A Novel Class of Chaotic Flows with Infinite Equilibriums and Their Application in Chaos-Based Communication Design Using DCSK. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 609-617	1.4	6
109	Investigation of Bifurcations in the Process Equation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750201	2	6
108	A New Multi-Scroll Megastable Oscillator Based on the Sign Function. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150140	2	6
107	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	1.9	6
106	Investigation of Seasonal and Latitudinal Effects on the Expression of Clock Genes in Drosophila. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750153	2	5
105	A New Four-Dimensional Chaotic System With No Equilibrium Point 2019 , 63-76		5
104	Dynamic system with no equilibrium and its chaos anti-synchronization. <i>Automatika</i> , 2018 , 59, 35-42	1.6	5
103	A chaotic model of migraine headache considering the dynamical transitions of this cyclic disease. <i>Europhysics Letters</i> , 2018 , 123, 10006	1.6	5

102	CAMO: Self-Excited and Hidden Chaotic Flows. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950143	2	5
101	Relay interlayer synchronisation: invariance and stability conditions. <i>Nonlinearity</i> , 2022 , 35, 681-718	1.7	5
100	One dimensional map-based neuron model: A phase space interpretation. <i>Chaos, Solitons and Fractals</i> , 2020 , 132, 109558	9.3	5
99	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. <i>Complexity</i> , 2020 , 2020, 1-12	1.6	5
98	A New Megastable Chaotic Oscillator with Blinking Oscillation terms. <i>Complexity</i> , 2021 , 2021, 1-12	1.6	5
97	Cost function based on hidden Markov models for parameter estimation of chaotic systems. <i>Soft Computing</i> , 2019 , 23, 4765-4776	3.5	5
96	Synchronous Reluctance Motor with Load Vibration Perturbation: Analysis, Electronic Implementation and Adaptive Backstepping Sliding Mode Control. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2021 , 45, 645-654	1.9	5
95	Magnetic induction can control the effect of external electrical stimuli on the spiral wave. <i>Applied Mathematics and Computation</i> , 2021 , 390, 125608	2.7	5
94	Study of functional connectivity of central motor system in Parkinson's disease using copula theory. <i>Biomedical Signal Processing and Control</i> , 2021 , 65, 102320	4.9	5
93	Constructing chaotic repellers. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110544	9.3	5
92	A Three-Dimensional Chaotic System with Square Equilibrium and No-Equilibrium. <i>Studies in Computational Intelligence</i> , 2017 , 613-635	0.8	4
91	A New Five Dimensional Multistable Chaotic System With Hidden Attractors 2019 , 77-87		4
90	A fast technique for calculating master stability function. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050024	1.1	4
89	Investigation of Early Warning Indexes in a Three-Dimensional Chaotic System with Zero Eigenvalues. <i>Entropy</i> , 2020 , 22,	2.8	4
88	Introducing a nonlinear coupling for central pattern generator: Improvement on robustness by expanding basin of attraction and performance by decreasing the transient time. <i>JVC/Journal of Vibration and Control</i> , 2020 , 26, 377-386	2	4
87	Can Lionel Messi's brain slow down time passing?. <i>Chronobiology International</i> , 2016 , 33, 462-3	3.6	4
86	Fractional and non-fractional chaotic amphibian attractors with self-excited and hidden properties: numerical dynamics, circuit realization and FPGA-based application. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 3827-3850	2.3	4
85	A new approach for global optimization in high dimension problems 2008 ,		4

84	Studying the performance of critical slowing down indicators in a biological system with a period-doubling route to chaos. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 544, 123396	3.3	4
83	Complete dynamical analysis of myocardial cell exposed to magnetic flux. <i>Chinese Journal of Physics</i> , 2020 , 64, 363-373	3.5	4
82	A New Imprisoned Strange Attractor. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950181	2	4
81	Chimera states in a thermosensitive FitzHugh-Nagumo neuronal network. <i>Applied Mathematics and Computation</i> , 2021 , 410, 126461	2.7	4
80	Some New Chaotic Maps With Application in Stochastic 2019 , 165-185		3
79	Hyperchaotic Oscillation in the Deformed Rikitake Two-Disc Dynamo System Induced by Memory Effect. <i>Complexity</i> , 2020 , 2020, 1-10	1.6	3
78	Chaos and Coexisting Bifurcations in a Novel 3D Autonomous System with a Non-Hyperbolic Fixed Point: Theoretical Analysis and Electronic Circuit Implementation. <i>Brazilian Journal of Physics</i> , 2020 , 50, 442-453	1.2	3
77	Chaotification of Sine-series maps based on the internal perturbation model. <i>Results in Physics</i> , 2021 , 31, 105010	3.7	3
76	Synchronization and chimera states in the network of electrochemically coupled memristive Rulkov neuron maps. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 9394-9409	2.1	3
75	Observation of chimera patterns in a network of symmetric chaotic finance systems. <i>Communications in Theoretical Physics</i> , 2020 , 72, 105003	2.4	3
74	SUPPRESSING SPIRAL WAVE TURBULENCE IN A SIMPLE FRACTIONAL-ORDER DISCRETE NEURON MAP USING IMPULSE TRIGGERING. <i>Fractals</i> , 2140030	3.2	3
73	A New Circumscribed Self-Excited Spherical Strange Attractor. <i>Complexity</i> , 2021 , 2021, 1-8	1.6	3
72	A Simple Guide for Plotting a Proper Bifurcation Diagram. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150011	2	3
71	A novel memristive chaotic system without any equilibrium point. <i>The Integration VLSI Journal</i> , 2021 , 79, 133-142	1.4	3
70	Functional neuronal networks reveal emotional processing differences in children with ADHD.. <i>Cognitive Neurodynamics</i> , 2022 , 16, 91-100	4.2	3
69	Oyster oscillator: a novel mega-stable nonlinear chaotic system. <i>European Physical Journal: Special Topics</i> , 1	2.3	3
68	Effect of intra-layer connection on the synchronization of a multi-layer cell network. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2405-2417	2.3	2
67	Parameter Estimation of Chaotic Systems Using Density Estimation of Strange Attractors in the State Space 2019 , 105-124		2

66	A Complete Investigation of the Effect of External Force on a 3D Megastable Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050012	2	2
65	A new look to coma from the viewpoint of nonlinear dynamics. <i>Nonlinear Dynamics</i> , 2018 , 92, 2119-2131	5	2
64	Chimera state in a two-dimensional network of coupled genetic oscillators. <i>Europhysics Letters</i> , 2019 , 127, 40001	1.6	2
63	A novel fractional-order chaotic system with specific topology: from proposing to FPGA implementation. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 3729-3745	2.3	2
62	Detecting chimeras by eigenvalue decomposition of the bivariate local order parameter. <i>Europhysics Letters</i> , 2020 , 130, 28003	1.6	2
61	Chimera states in a multi-weighted neuronal network. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022 , 424, 127847	2.3	2
60	The emergence of chimera states in a network of nephrons. <i>Chinese Journal of Physics</i> , 2020 , 63, 402-409	3.5	2
59	A new megastable chaotic oscillator with singularity. <i>European Physical Journal: Special Topics</i> , 2020 , 229, 2341-2348	2.3	2
58	Is There a Relation Between Synchronization Stability and Bifurcation Type?. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050123	2	2
57	Critical slowing down indicators in synchronous period-doubling for salamander flicker vision. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 3729-3745	2.3	2
56	Role of links on the structural properties of different network topologies. <i>Europhysics Letters</i> , 2021 , 133, 40001	1.6	2
55	Synchronization in a Multiplex Network of Nonidentical Fractional-Order Neurons. <i>Fractal and Fractional</i> , 2022 , 6, 169	3	2
54	Distinctive nonlinear dimensionality of neural spiking activity in extrastriate cortex during spatial working memory; a Higuchi fractal analysis. <i>Chaos, Solitons and Fractals</i> , 2022 , 158, 112051	9.3	2
53	Different properties of neuronal networks matter for the emergence of chimera states: Comment on "Chimera states in neuronal networks: A review" by Majhi et al. <i>Physics of Life Reviews</i> , 2019 , 28, 128-130	2.1	1
52	Chaos in a System With Parabolic Equilibrium 2019 , 41-61		1
51	A Novel Multiuser Detector Based on Restricted Search Space and Depth-First Tree Search Method in DS/CDMA Communication Systems. <i>Wireless Personal Communications</i> , 2015 , 82, 1531-1545	1.9	1
50	Signal separation in an aggregation of chaotic signals. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109851	9.3	1
49	A Chaotic Jerk System with Different Types of Equilibria and its Application in Communication System. <i>Tehnicki Vjesnik</i> , 2020 , 27,	1	1

48	Process equation as a model for the development of cells. <i>European Physical Journal: Special Topics</i> , 2020 , 229, 921-927	2.3	1
47	Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems. <i>Complexity</i> , 2018 , 2018, 1-3	1.6	1
46	Investigation of Cortical Signal Propagation and the Resulting Spatiotemporal Patterns in Memristor-Based Neuronal Network. <i>Complexity</i> , 2018 , 2018, 1-20	1.6	1
45	Chaotic behaviors in a system with a line equilibrium 2019 ,		1
44	Synchronization in a network of chaotic memristive jerk oscillators. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 2147-2155	2.3	1
43	OPTIMIZATION OF A NONLINEAR ELECTRICAL THERMAL MODEL OF THE SKIN. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2013 , 25, 1350039	0.6	1
42	A new approach to experimental design for function approximation and classification: The twilight method. <i>Scientia Iranica</i> , 2012 , 19, 1731-1737	1.5	1
41	A New Memristive Neuron Map Model and Its Network Dynamics under Electrochemical Coupling. <i>Electronics (Switzerland)</i> , 2022 , 11, 153	2.6	1
40	A modified simple chaotic hyperjerk circuit: coexisting bubbles of bifurcation and mixed-mode bursting oscillations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2020 , 75, 593-607	1.4	1
39	Coexistence of Strange Nonchaotic Attractors in a Quasiperiodically Forced Dynamical Map. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050183	2	1
38	A New Memristive Chaotic System with a Plane and Two Lines of Equilibria. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150066	2	1
37	Simplest symmetric chaotic flows: the strange case of asymmetry in Master Stability Function. <i>European Physical Journal: Special Topics</i> , 2021 , 230, 1999-2010	2.3	1
36	Effect of epistasis on the performance of genetic algorithms. <i>Journal of Zhejiang University: Science A</i> , 2019 , 20, 109-116	2.1	1
35	Optimal synchronization of circulant and non-circulant oscillators. <i>Applied Mathematics and Computation</i> , 2021 , 394, 125830	2.7	1
34	Wave propagation in a network of interacting nephrons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 530, 121566	3.3	0
33	A Chaotic Quadratic Oscillator with Only Squared Terms: Multistability, Impulsive Control, and Circuit Design. <i>Symmetry</i> , 2022 , 14, 259	2.7	0
32	Tipping points of a complex network biomass model: Local and global parameter variations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 592, 126845	3.3	0
31	A simple one-dimensional map-based model of spiking neurons with wide ranges of firing rates and complexities.. <i>Journal of Theoretical Biology</i> , 2022 , 111062	2.3	0

30	FFT bifurcation: A tool for spectrum analyzing of dynamical systems. <i>Applied Mathematics and Computation</i> , 2022 , 422, 126986	2.7	0
29	Various bifurcations in the development of stem cells. <i>European Physical Journal: Special Topics</i> , 2021 , 1-7	2.3	0
28	Investigating bifurcation points of neural networks: application to the epileptic seizure. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	0
27	A modified chaotic oscillator with megastability and variable boosting and its synchronisation using contraction theory-based control which is better than backstepping and nonlinear active control 2020 , 94, 1		0
26	Chimera state in a network of nonlocally coupled impact oscillators. <i>Journal of Zhejiang University: Science A</i> , 2021 , 22, 235-244	2.1	0
25	Predicting Tipping Points in Chaotic Maps with Period-Doubling Bifurcations. <i>Complexity</i> , 2021 , 2021, 1-10	1.6	0
24	Optimum topology and coupling strength for synchronization. <i>Applied Mathematics and Computation</i> , 2020 , 379, 125226	2.7	0
23	Investigating bifurcation points of an impact oscillator. <i>Indian Journal of Physics</i> , 2021 , 95, 925-933	1.4	0
22	A Novel Megastable Oscillator with a Strange Structure of Coexisting Attractors: Design, Analysis, and FPGA Implementation. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	0
21	Proposing and Dynamical Analysis of a Hyperjerk Piecewise Linear Chaotic System with Offset Boostable Variable and Hidden Attractors. <i>Complexity</i> , 2021 , 2021, 1-11	1.6	0
20	Chaos in memory function of sleep: A nonlinear dynamical analysis in thalamocortical study. <i>Journal of Theoretical Biology</i> , 2021 , 528, 110837	2.3	0
19	How can cultural conditions affect society's decisions?. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 582, 126248	3.3	0
18	A Novel Highly Nonlinear Quadratic System: Impulsive Stabilization, Complexity Analysis, and Circuit Designing. <i>Complexity</i> , 2022 , 2022, 1-14	1.6	0
17	Cryptocurrency price analysis with ordinal partition networks. <i>Applied Mathematics and Computation</i> , 2022 , 430, 127237	2.7	0
16	Chaotic Solutions in a Forced Two-Dimensional Hindmarsh-Rose Neuron 2019 , 187-209		
15	Corrigendum to "Advanced Topics in Modeling, Bifurcation Analysis, and Control Theory of Complex Systems" <i>Complexity</i> , 2019 , 2019, 1-1	1.6	
14	Fractional-order systems in biological applications: estimating causal relations in a system with inner connectivity using fractional moments 2022 , 275-299		
13	A chaotic system with equilibria located on a line and its fractional-order form 2022 , 35-62		

- 12 Is stretching and folding feature of chaotic trajectories useful in adaptive local projection?. *Journal of Medical Signals and Sensors*, **2012**, 2, 112-3 1
- 11 A Comprehensive Analysis on the Wang-Chen System: A Challenging Case for the Birkov Theory. *Emergence, Complexity and Computation*, **2021**, 573-585 0.1
- 10 A New Chaotic System with Equilibria Located on a Line and Its Circuit Implementation. *Emergence, Complexity and Computation*, **2021**, 565-572 0.1
- 9 A New 3D Chaotic System with only Quadratic Nonlinearities: Analysis and Circuit Implantation. *Emergence, Complexity and Computation*, **2021**, 587-594 0.1
- 8 Hidden Attractors in a Dynamical System with a Sine Function. *Emergence, Complexity and Computation*, **2021**, 459-487 0.1
- 7 Chaotic behaviors in a system with stable equilibrium. *World Scientific Series on Nonlinear Science, Series B*, **2019**, 75-79 0.3
- 6 A Novel Intelligent Method of Experiment Design for Modeling. *Journal of Applied Sciences*, **2008**, 8, 2687-2694
- 5 Is Stretching and Folding Feature of Chaotic Trajectories Useful in Adaptive Local Projection?. *Journal of Medical Signals and Sensors*, **2012**, 2, 112 1
- 4 Extended non-stationary chimera-like region in a network of non-identical coupled Van der Pol oscillators. *European Physical Journal: Special Topics*, **2020**, 229, 2239-2247 2.3
- 3 A double pendulum model for human walking control on the treadmill and stride-to-stride fluctuations: Control of step length, time, velocity, and position on the treadmill **2020**, 267-285
- 2 Synchronization of chaotic jerk systems. *International Journal of Modern Physics B*, **2020**, 34, 2050189 1.1
- 1 An Image Compression-Encryption Algorithm Based on Compressed Sensing and Chaotic Oscillator. *Studies in Big Data*, **2022**, 19-50 0.9