

Karthikeyan Rajagopal

List of Publications by Year in descending order

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237
papers

4,320
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147566
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239
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	FPGA implementation of novel fractional-order chaotic systems with two equilibriums and no equilibrium and its adaptive sliding mode synchronization. <i>Nonlinear Dynamics</i> , 2017, 87, 2281-2304.	2.7	134
2	A fractional-order model for the novel coronavirus (COVID-19) outbreak. <i>Nonlinear Dynamics</i> , 2020, 101, 711-718.	2.7	119
3	Complete analysis and engineering applications of a megastable nonlinear oscillator. <i>International Journal of Non-Linear Mechanics</i> , 2018, 107, 126-136.	1.4	115
4	Design and SPICE implementation of a 12-term novel hyperchaotic system and its synchronisation via active control. <i>International Journal of Modelling, Identification and Control</i> , 2015, 23, 267.	0.2	112
5	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.	0.9	111
6	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.	2.5	81
7	A New Fractional-Order Chaotic System with Different Families of Hidden and Self-Excited Attractors. <i>Entropy</i> , 2018, 20, 564.	1.1	70
8	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.	0.7	68
9	Fractional Order Memristor No Equilibrium Chaotic System with Its Adaptive Sliding Mode Synchronization and Genetically Optimized Fractional Order PID Synchronization. <i>Complexity</i> , 2017, 2017, 1-19.	0.9	67
10	Extreme multi-stability: When imperfection changes quality. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 182-186.	2.5	66
11	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.	1.7	64
12	Synchronization in Hindmarsh-Rose neurons subject to higher-order interactions. <i>Chaos</i> , 2022, 32, 013125.	1.0	61
13	A chaotic memcapacitor oscillator with two unstable equilibriums and its fractional form with engineering applications. <i>Nonlinear Dynamics</i> , 2018, 91, 957-974.	2.7	60
14	A new nonlinear oscillator with infinite number of coexisting hidden and self-excited attractors. <i>Chinese Physics B</i> , 2018, 27, 040502.	0.7	60
15	Dynamic analysis and chaos suppression in a fractional order brushless DC motor. <i>Electrical Engineering</i> , 2017, 99, 721-733.	1.2	59
16	A new four-dimensional system containing chaotic or hyper-chaotic attractors with no equilibrium, a line of equilibria and unstable equilibria. <i>Chaos, Solitons and Fractals</i> , 2018, 111, 108-118.	2.5	57
17	Dynamical Analysis and FPGA Implementation of a Novel Hyperchaotic System and Its Synchronization Using Adaptive Sliding Mode Control and Genetically Optimized PID Control. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-14.	0.6	51
18	Hyperjerk multiscroll oscillators with megastability: Analysis, FPGA implementation and a novel ANN-ring-based True Random Number Generator. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 112, 152941.	1.7	51

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19	Hyperchaotic Memcapacitor Oscillator with Infinite Equilibria and Coexisting Attractors. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 3702-3724.	1.2	50
20	Dynamical analysis and FPGA implementation of a chaotic oscillator with fractional-order memristor components. <i>Nonlinear Dynamics</i> , 2018, 91, 1491-1512.	2.7	49
21	Complex dynamics of a neuron model with discontinuous magnetic induction and exposed to external radiation. <i>Cognitive Neurodynamics</i> , 2018, 12, 607-614.	2.3	48
22	A no-equilibrium memristive system with four-wing hyperchaotic attractor. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 95, 207-215.	1.7	47
23	A simple fractional-order chaotic system based on memristor and memcapacitor and its synchronization application. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111306.	2.5	44
24	Hyperchaotic Chameleon: Fractional Order FPGA Implementation. <i>Complexity</i> , 2017, 2017, 1-16.	0.9	43
25	A new hyperchaotic temperature fluctuations model, its circuit simulation, FPGA implementation and an application to image encryption. <i>International Journal of Simulation and Process Modelling</i> , 2018, 13, 281.	0.1	42
26	Delay-induced synchronization in two coupled chaotic memristive Hopfield neural networks. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109702.	2.5	38
27	Modification of the Logistic Map Using Fuzzy Numbers with Application to Pseudorandom Number Generation and Image Encryption. <i>Entropy</i> , 2020, 22, 474.	1.1	38
28	A chaotic jerk system with non-hyperbolic equilibrium: Dynamics, effect of time delay and circuit realisation. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	37
29	Dynamical analysis, sliding mode synchronization of a fractional-order memristor Hopfield neural network with parameter uncertainties and its non-fractional-order FPGA implementation. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2065-2080.	1.2	36
30	Dynamical behavior and network analysis of an extended Hindmarsh-Rose neuron model. <i>Nonlinear Dynamics</i> , 2019, 98, 477-487.	2.7	36
31	Birth and death of spiral waves in a network of Hindmarsh-Rose neurons with exponential magnetic flux and excitable media. <i>Applied Mathematics and Computation</i> , 2019, 354, 377-384.	1.4	36
32	Anti-synchronization of Li and T Chaotic Systems by Active Nonlinear Control. <i>Communications in Computer and Information Science</i> , 2011, , 175-184.	0.4	34
33	Multistable dynamics and control of a new 4D memristive chaotic Sprott B system. <i>Chaos, Solitons and Fractals</i> , 2022, 156, 111834.	2.5	33
34	Bifurcation and chaos in time delayed fractional order chaotic memfractor oscillator and its sliding mode synchronization with uncertainties. <i>Chaos, Solitons and Fractals</i> , 2017, 103, 347-356.	2.5	32
35	Fractional Order Synchronous Reluctance Motor: Analysis, Chaos Control and FPGA Implementation. <i>Asian Journal of Control</i> , 2018, 20, 1979-1993.	1.9	32
36	Spiral waves in externally excited neuronal network: Solvable model with a monotonically differentiable magnetic flux. <i>Chaos</i> , 2019, 29, 043109.	1.0	32

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37	Simplest Megastable Chaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950187.	0.7	32
38	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
39	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
40	Global Chaos Synchronization of $L\frac{1}{4}$ and Pan Systems by Adaptive Nonlinear Control. Communications in Computer and Information Science, 2011, , 193-202.	0.4	32
41	Dissipative and conservative chaotic nature of a new quasi-periodically forced oscillator with megastability. Chinese Journal of Physics, 2019, 58, 263-272.	2.0	31
42	A Hopfield neural network with multiple attractors and its FPGA design. European Physical Journal: Special Topics, 2018, 227, 811-820.	1.2	30
43	Dynamics of a neuron exposed to integer- and fractional-order discontinuous external magnetic flux. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 584-590.	1.5	30
44	A New Memristive Neuron Map Model and Its Network's Dynamics under Electrochemical Coupling. Electronics (Switzerland), 2022, 11, 153.	1.8	30
45	Wave propagation in a network of extended Morris-Lecar neurons with electromagnetic induction and its local kinetics. Nonlinear Dynamics, 2020, 100, 3625-3644.	2.7	29
46	FPGA implementation of fractional-order discrete memristor chaotic system and its commensurate and incommensurate synchronisations. Pramana - Journal of Physics, 2018, 90, 1.	0.9	28
47	Coexistence of attractors in a simple chaotic oscillator with fractional-order-memristor component: analysis, FPGA implementation, chaos control and synchronization. European Physical Journal: Special Topics, 2019, 228, 2035-2051.	1.2	28
48	A Novel Simple 4-D Hyperchaotic System with a Saddle-Point Index-2 Equilibrium Point and Multistability: Design and FPGA-Based Applications. Circuits, Systems, and Signal Processing, 2020, 39, 4259-4280.	1.2	28
49	Global Chaos Synchronization of Hyperchaotic Pang and Wang Systems by Active Nonlinear Control. Communications in Computer and Information Science, 2011, , 84-93.	0.4	28
50	Dynamic analyses, FPGA implementation and engineering applications of multi-butterfly chaotic attractors generated from generalised Sprott C system. Pramana - Journal of Physics, 2018, 90, 1.	0.9	27
51	Wave propagation and spiral wave formation in a Hindmarsh-Rose neuron model with fractional-order threshold memristor synaps. International Journal of Modern Physics B, 2020, 34, 2050157.	1.0	27
52	Bifurcation, Chaos and its Control in A Fractional Order Power System Model with Uncertainties. Asian Journal of Control, 2019, 21, 184-193.	1.9	26
53	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
54	Hamiltonian energy computation and complex behavior of a small heterogeneous network of three neurons: circuit implementation. Nonlinear Dynamics, 2022, 107, 2867-2886.	2.7	26

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55	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.	2.7	25
56	Complex novel 4D memristor hyperchaotic system and its synchronization using adaptive sliding mode control. <i>AJ - Alexandria Engineering Journal</i> , 2018, 57, 683-694.	3.4	25
57	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.	1.4	25
58	Effect of magnetic induction on the synchronizability of coupled neuron network. <i>Chaos</i> , 2021, 31, 083115.	1.0	25
59	Finite Difference Computation of Au-Cu/Magneto-Bio-Hybrid Nanofluid Flow in an Inclined Uneven Stenosis Artery. <i>Complexity</i> , 2022, 2022, 1-18.	0.9	25
60	Dynamical investigation and chaotic associated behaviors of memristor Chua's circuit with a non-ideal voltage-controlled memristor and its application to voice encryption. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 107, 183-191.	1.7	24
61	Chaos Control in Fractional Order Smart Grid with Adaptive Sliding Mode Control and Genetically Optimized PID Control and Its FPGA Implementation. <i>Complexity</i> , 2017, 2017, 1-18.	0.9	23
62	Wavefront-obstacle interactions and the initiation of reentry in excitable media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 1162-1173.	1.2	23
63	Infinite attractors in a chaotic circuit with exponential memristor and Josephson junction resonator. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 123, 153319.	1.7	23
64	Infinitely many coexisting hidden attractors in a new hyperbolic-type memristor-based HNN. <i>European Physical Journal: Special Topics</i> , 2022, 231, 2371-2385.	1.2	23
65	Autonomous Van der Pol's Duffing snap oscillator: analysis, synchronization and applications to real-time image encryption. <i>International Journal of Dynamics and Control</i> , 2018, 6, 1008-1022.	1.5	22
66	Complete dynamical analysis of a neuron under magnetic flow effect. <i>Chinese Journal of Physics</i> , 2018, 56, 2254-2264.	2.0	22
67	Time-delayed chameleon: Analysis, synchronization and FPGA implementation. <i>Pramana - Journal of Physics</i> , 2017, 89, 1.	0.9	21
68	A new 4D chaotic system with hidden attractor and its engineering applications: Analog circuit design and field programmable gate array implementation. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	21
69	A novel parametrically controlled multi-scroll chaotic attractor along with electronic circuit design. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	21
70	A hyperchaotic memristor system with exponential and discontinuous memductance function. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 95, 249-255.	1.7	21
71	Dynamical analysis, FPGA implementation and its application to chaos based random number generator of a fractal Josephson junction with unharmonic current-phase relation. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	21
72	Noise induced suppression of spiral waves in a hybrid FitzHugh's Nagumo neuron with discontinuous resetting. <i>Chaos</i> , 2021, 31, 073117.	1.0	21

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73	Dynamic analysis, FPGA implementation, and cryptographic application of an autonomous 5D chaotic system with offset boosting. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 950-961.	1.5	20
74	Synchronisation, electronic circuit implementation, and fractional-order analysis of 5D ordinary differential equations with hidden hyperchaotic attractors. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	19
75	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.	0.7	19
76	A Simple Chaotic System With Topologically Different Attractors. <i>IEEE Access</i> , 2019, 7, 89936-89947.	2.6	19
77	Suppressing spiral waves in a lattice array of coupled neurons using delayed asymmetric synapse coupling. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110855.	2.5	19
78	Effect of temperature sensitive ion channels on the single and multilayer network behavior of an excitable media with electromagnetic induction. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111144.	2.5	19
79	Neural Network Based Modified State Observer for Orbit Uncertainty Estimation. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 1194-1209.	1.6	18
80	Neural Network-Based Solutions for Stochastic Optimal Control Using Path Integrals. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 534-545.	7.2	18
81	Multistability and coexisting attractors in a fractional order Coronary artery system. <i>European Physical Journal: Special Topics</i> , 2018, 227, 837-850.	1.2	18
82	A family of conservative chaotic systems with cyclic symmetry. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	0.9	18
83	Fractional order nonlinear variable speed and current regulation of a permanent magnet synchronous generator wind turbine system. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 159-167.	3.4	17
84	Hyperchaos and Coexisting Attractors in a Modified van der Pol's Duffing Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950067.	0.7	17
85	Chaotic dynamics of a fractional order glucose-insulin regulatory system. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 1108-1118.	1.5	17
86	Route to hyperchaos and chimera states in a network of modified Hindmarsh-Rose neuron model with electromagnetic flux and external excitation. <i>European Physical Journal: Special Topics</i> , 2020, 229, 929-942.	1.2	17
87	A New Chaotic System with Coexisting Attractors. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	0.7	17
88	The effects of extreme multistability on the collective dynamics of coupled memristive neurons. <i>European Physical Journal: Special Topics</i> , 0, , .	1.2	16
89	FPGA implementation of adaptive sliding mode control and genetically optimized PID control for fractional-order induction motor system with uncertain load. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	15
90	Twin birds inside and outside the cage. <i>Chaos, Solitons and Fractals</i> , 2018, 112, 135-140.	2.5	15

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91	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.	1.0	15
92	Antimonotonicity, Bifurcation and Multistability in the Vallis Model for El Niño. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950032.	0.7	15
93	An exponential jerk system, its fractional-order form with dynamical analysis and engineering application. <i>Soft Computing</i> , 2020, 24, 7469-7479.	2.1	15
94	A Novel 5D Chaotic System with Extreme Multi-stability and a Line of Equilibrium and Its Engineering Applications: Circuit Design and FPGA Implementation. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020, 44, 59-67.	1.5	15
95	Chimera State in the Network of Fractional-Order FitzHugh-Nagumo Neurons. <i>Complexity</i> , 2021, 2021, 1-9.	0.9	15
96	SUPPRESSING SPIRAL WAVE TURBULENCE IN A SIMPLE FRACTIONAL-ORDER DISCRETE NEURON MAP USING IMPULSE TRIGGERING. <i>Fractals</i> , 2021, 29, .	1.8	14
97	QUANTUM INSPIRED REINFORCEMENT LEARNING IN CHANGING ENVIRONMENT. <i>New Mathematics and Natural Computation</i> , 2013, 09, 273-294.	0.4	13
98	Reinforcement learning based controller synthesis for flexible aircraft wings. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014, 1, 435-448.	8.5	13
99	LabVIEW implementation of chaotic masking with adaptively synchronised forced Van der Pol oscillators and its application in real-time image encryption. <i>International Journal of Simulation and Process Modelling</i> , 2017, 12, 165.	0.1	13
100	A new transiently chaotic flow with ellipsoid equilibria. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	0.9	13
101	Persistence and coexistence of infinite attractors in a fractal Josephson junction resonator with unharmonic current phase relation considering feedback flux effect. <i>Nonlinear Dynamics</i> , 2021, 103, 1979-1998.	2.7	13
102	Fractional-Order Analysis of Modified Chua's Circuit System with the Smooth Degree of 3 and Its Microcontroller-Based Implementation with Analog Circuit Design. <i>Symmetry</i> , 2021, 13, 340.	1.1	13
103	Chaos Suppression in Fractional order Permanent Magnet Synchronous Generator in Wind Turbine Systems. <i>Nonlinear Engineering</i> , 2017, 6, .	1.4	12
104	Antimonotonicity and multistability in a fractional order memristive chaotic oscillator. <i>European Physical Journal: Special Topics</i> , 2019, 228, 1969-1981.	1.2	12
105	Analysis, Control and FPGA Implementation of a Fractional-Order Modified Shinriki Circuit. <i>Journal of Circuits, Systems and Computers</i> , 2019, 28, 1950232.	1.0	12
106	In vivo cartilage regeneration in a multi-layered articular cartilage architecture mimicking scaffold. <i>Bone and Joint Research</i> , 2020, 9, 601-612.	1.3	12
107	A Memristive Hyperjerk Chaotic System: Amplitude Control, FPGA Design, and Prediction with Artificial Neural Network. <i>Complexity</i> , 2021, 2021, 1-17.	0.9	12
108	A New Megastable Chaotic Oscillator with Blinking Oscillation terms. <i>Complexity</i> , 2021, 2021, 1-12.	0.9	12

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109	Modified Morris-Lecar neuron model: effects of very low frequency electric fields and of magnetic fields on the local and network dynamics of an excitable media. <i>Nonlinear Dynamics</i> , 2021, 104, 4427-4443.	2.7	12
110	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.	2.5	12
111	Image encryption with a Josephson junction model embedded in FPGA. <i>Multimedia Tools and Applications</i> , 2022, 81, 23819-23843.	2.6	12
112	Monostability, bistability, periodicity and chaos in gene regulatory network. <i>European Physical Journal: Special Topics</i> , 2018, 227, 719-730.	1.2	11
113	Analysis and FPGA implementation of an autonomous Josephson junction snap oscillator. <i>European Physical Journal B</i> , 2019, 92, 1.	0.6	11
114	Parameter Identification of Chaotic Systems Using a Modified Cost Function Including Static and Dynamic Information of Attractors in the State Space. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 2039-2054.	1.2	11
115	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.	1.5	11
116	Self-Excited and Hidden Attractors in a Simple Chaotic Jerk System and in Its Time-Delayed Form: Analysis, Electronic Implementation, and Synchronization. <i>Journal of the Korean Physical Society</i> , 2020, 77, 145-152.	0.3	11
117	A new hidden attractor hyperchaotic memristor oscillator with a line of equilibria. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1279-1288.	1.2	11
118	A novel class of chaotic systems with different shapes of equilibrium and microcontroller-based cost-effective design for digital applications. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	11
119	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.	0.7	10
120	A Novel Approach to Numerical Modeling of Metabolic System: Investigation of Chaotic Behavior in Diabetes Mellitus. <i>Complexity</i> , 2018, 2018, 1-11.	0.9	10
121	Fractional-order chaotic system with hyperbolic function. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401987258.	0.8	10
122	Elimination of spiral waves in a one-layer and two-layer network of pancreatic beta cells using a periodic stimuli. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110093.	2.5	10
123	Fractmemristor chaotic oscillator with multistable and antimonotonicity properties. <i>Journal of Advanced Research</i> , 2020, 25, 137-145.	4.4	10
124	Control, synchronization with linear quadratic regulator method and FFANN-based PRNG application on FPGA of a novel chaotic system. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1915-1931.	1.2	10
125	Suppressing Chaos in Josephson Junction Model with Coexisting Attractors and Investigating Its Collective Behavior in a Network. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 2761.	0.8	10
126	Synchronization in a Multiplex Network of Nonidentical Fractional-Order Neurons. <i>Fractal and Fractional</i> , 2022, 6, 169.	1.6	10

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127	Difference equations of a memristor higher order hyperchaotic oscillator. African Journal of Science, Technology, Innovation and Development, 2018, 10, 279-285.	0.8	9
128	Some New Dissipative Chaotic Systems with Cyclic Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850164.	0.7	9
129	Chaos in a System with an Absolute Nonlinearity and Chaos Synchronization. Advances in Mathematical Physics, 2018, 2018, 1-12.	0.4	9
130	CAMO: Self-Excited and Hidden Chaotic Flows. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950143.	0.7	9
131	Nonlinear Dynamics and Entropy of Complex Systems with Hidden and Self-Excited Attractors. Entropy, 2019, 21, 370.	1.1	9
132	Size matters: Effects of the size of heterogeneity on the wave re-entry and spiral wave formation in an excitable media. Chaos, 2021, 31, 053131.	1.0	9
133	A non-autonomous chaotic system with no equilibrium. The Integration VLSI Journal, 2021, 79, 143-156.	1.3	9
134	Broken symmetry and dynamics of a memristive diodes bridge-based Shinriki oscillator. Physica A: Statistical Mechanics and Its Applications, 2021, 588, 126562.	1.2	9
135	A revisit to the past plague epidemic (India) versus the present COVID-19 pandemic: fractional-order chaotic models and fuzzy logic control. European Physical Journal: Special Topics, 2022, 231, 905-919.	1.2	9
136	A discrete Huber-Braun neuron model: from nodal properties to network performance. Cognitive Neurodynamics, 2023, 17, 301-310.	2.3	9
137	Chondrocyte source for cartilage regeneration in an immature animal: Is iliac apophysis a good alternative?. Indian Journal of Orthopaedics, 2012, 46, 402.	0.5	8
138	Classical and Atypical Fibrodysplasia Ossificans Progressiva in India. Annals of Human Genetics, 2015, 79, 245-252.	0.3	8
139	Does pamidronate enhance the osteogenesis in mesenchymal stem cells derived from fibrous hamartoma in congenital pseudarthrosis of the tibia?. Bone Reports, 2016, 5, 292-298.	0.2	8
140	Multistability in Horizontal Platform System with and without Time Delays. Shock and Vibration, 2018, 2018, 1-8.	0.3	8
141	A Novel Class of Chaotic Flows with Infinite Equilibriums and Their Application in Chaos-Based Communication Design Using DCSK. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 609-617.	0.7	8
142	Analysis and electronic implementation of an absolute memristor autonomous Van der Pol-Duffing circuit. European Physical Journal: Special Topics, 2019, 228, 2287-2299.	1.2	8
143	Early Addition of Parathyroid Hormone-Related Peptide Regulates the Hypertrophic Differentiation of Mesenchymal Stem Cells. Cartilage, 2021, 13, 143S-152S.	1.4	8
144	Simple megastable oscillators with different types of attractors; tori, chaotic and hyperchaotic ones. European Physical Journal: Special Topics, 2020, 229, 1155-1161.	1.2	8

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145	A New Multi-Scroll Megastable Oscillator Based on the Sign Function. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150140.	0.7	8
146	Stabilization and Synchronization of a Complex Hidden Attractor Chaotic System by Backstepping Technique. Entropy, 2021, 23, 921.	1.1	8
147	Simulation and experimental implementations of memcapacitor based multi-stable chaotic oscillator and its dynamical analysis. Physica Scripta, 2021, 96, 015209.	1.2	8
148	Switching between Dissipative and Conservative Behaviors in a Modified Hyperchaotic System with the Variation of Its Parameter. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, .	0.7	8
149	Modified State Observer for Orbit Uncertainty Estimation. , 2011, , .		7
150	A novel fractional-order chaotic system with specific topology: from proposing to FPGA implementation. European Physical Journal: Special Topics, 2017, 226, 3729-3745.	1.2	7
151	Fractional and non-fractional chaotic amphibian attractors with self-excited and hidden properties: numerical dynamics, circuit realization and FPGA-based application. European Physical Journal: Special Topics, 2017, 226, 3827-3850.	1.2	7
152	A New Four-Dimensional Chaotic System With No Equilibrium Point. , 2019, , 63-76.		7
153	A New Five Dimensional Multistable Chaotic System With Hidden Attractors. , 2019, , 77-87.		7
154	A novel dissipative and conservative megastable oscillator with engineering applications. Modern Physics Letters B, 2020, 34, 2150007.	1.0	7
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