Clint Sprott

List of Publications by Year in descending order

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226 papers	12,941 citations	20817 60 h-index	27406 106 g-index
235 all docs	235 docs citations	235 times ranked	3666 citing authors

#	Article	IF	Citations
1	Some simple chaotic flows. Physical Review E, 1994, 50, R647-R650.	2.1	971
2	Simple chaotic flows with a line equilibrium. Chaos, Solitons and Fractals, 2013, 57, 79-84.	5.1	460
3	Chaos in fractional-order autonomous nonlinear systems. Chaos, Solitons and Fractals, 2003, 16, 339-351.	5.1	434
4	Elementary quadratic chaotic flows with no equilibria. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 699-702.	2.1	422
5	A new class of chaotic circuit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 266, 19-23.	2.1	357
6	Simple chaotic systems and circuits. American Journal of Physics, 2000, 68, 758-763.	0.7	343
7	The Madison Symmetric Torus. Fusion Science and Technology, 1991, 19, 131-139.	0.6	323
8	SIMPLE CHAOTIC FLOWS WITH ONE STABLE EQUILIBRIUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350188.	1.7	307
9	Some simple chaotic jerk functions. American Journal of Physics, 1997, 65, 537-543.	0.7	298
10	Simplest dissipative chaotic flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 228, 271-274.	2.1	244
11	Coexisting Hidden Attractors in a 4-D Simplified Lorenz System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450034.	1.7	238
12	Recent new examples of hidden attractors. European Physical Journal: Special Topics, 2015, 224, 1469-1476.	2.6	209
13	A PROPOSED STANDARD FOR THE PUBLICATION OF NEW CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2391-2394.	1.7	192
14	Variable-boostable chaotic flows. Optik, 2016, 127, 10389-10398.	2.9	175
15	Multistability in the Lorenz System: A Broken Butterfly. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450131.	1.7	163
16	A New Chaotic Jerk Circuit. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 240-243.	3.0	154
17	Multistability in symmetric chaotic systems. European Physical Journal: Special Topics, 2015, 224, 1493-1506.	2.6	153
18	Infinite Multistability in a Self-Reproducing Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750160.	1.7	152

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19	COEXISTENCE OF POINT, PERIODIC AND STRANGE ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350093.	1.7	150
20	A Simple Chaotic Flow with a Plane of Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650098.	1.7	149
21	Hidden hyperchaos and electronic circuit application in a 5D self-exciting homopolar disc dynamo. Chaos, 2017, 27, 033101.	2.5	147
22	Chaotic hyperjerk systems. Chaos, Solitons and Fractals, 2006, 28, 739-746.	5.1	143
23	Simple chaotic 3D flows with surfaces of equilibria. Nonlinear Dynamics, 2016, 86, 1349-1358.	5.2	126
24	Amplitude control approach for chaotic signals. Nonlinear Dynamics, 2013, 73, 1335-1341.	5.2	114
25	Chaotic flows with a single nonquadratic term. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 178-183.	2.1	113
26	Constructing chaotic systems with conditional symmetry. Nonlinear Dynamics, 2017, 87, 1351-1358.	5.2	113
27	Chaos in low-dimensional Lotkaâ€“Volterra models of competition. Nonlinearity, 2006, 19, 2391-2404.	1.4	112
28	Constructing Chaotic Systems with Total Amplitude Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530025.	1.7	112
29	An infinite 3-D quasiperiodic lattice of chaotic attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 581-587.	2.1	109
30	Application of Takagiâ€“Sugeno fuzzy model to a class of chaotic synchronization and anti-synchronization. Nonlinear Dynamics, 2013, 73, 1495-1505.	5.2	108
31	A simple chaotic delay differential equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 397-402.	2.1	105
32	Simple Autonomous Chaotic Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 730-734.	3.0	102
33	A New Piecewise Linear Hyperchaotic Circuit. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 977-981.	3.0	100
34	Simple Chaotic Flows with a Curve of Equilibria. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630034.	1.7	99
35	Simple Chaotic Flow with Circle and Square Equilibrium. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650137.	1.7	97
36	BIFURCATIONS AND CHAOS IN FRACTIONAL-ORDER SIMPLIFIED LORENZ SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1209-1219.	1.7	94

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37	An infinite 2-D lattice of strange attractors. Nonlinear Dynamics, 2017, 89, 2629-2639.	5.2	94
38	Elementary chaotic flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 240-245.	2.1	88
39	Hypogenetic chaotic jerk flows. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1172-1177.	2.1	85
40	Bistability in a hyperchaotic system with a line equilibrium. Journal of Experimental and Theoretical Physics, 2014, 118, 494-500.	0.9	81
41	Strange attractors with various equilibrium types. European Physical Journal: Special Topics, 2015, 224, 1409-1419.	2.6	80
42	Automatic generation of strange attractors. Computers and Graphics, 1993, 17, 325-332.	2.5	79
43	Finding coexisting attractors using amplitude control. Nonlinear Dynamics, 2014, 78, 2059-2064.	5.2	79
44	Elementary quadratic chaotic flows with a single non-hyperbolic equilibrium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2184-2187.	2.1	79
45	Detecting Hidden Chaotic Regions and Complex Dynamics in the Self-Exciting Homopolar Disc Dynamo. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730008.	1.7	79
46	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.	1.7	78
47	A new chaotic oscillator with free control. Chaos, 2017, 27, 083101.	2.5	78
48	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. IEEE Access, 2018, 6, 29003-29012.	4.2	78
49	On the synchronization of a class of electronic circuits that exhibit chaos. Chaos, Solitons and Fractals, 2002, 13, 1515-1521.	5.1	74
50	MULTISTABILITY IN A BUTTERFLY FLOW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350199.	1.7	74
51	Simplest Chaotic Flows with Involutional Symmetries. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450009.	1.7	72
52	IMPROVED CORRELATION DIMENSION CALCULATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1865-1880.	1.7	70
53	Simple Chaotic Hyperjerk System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650189.	1.7	70
54	A chaotic system with a single unstable node. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2030-2036.	2.1	69

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55	A comparison of correlation and Lyapunov dimensions. Physica D: Nonlinear Phenomena, 2005, 200, 156-164.	2.8	68
56	A chaotic circuit based on a physical memristor. Chaos, Solitons and Fractals, 2020, 138, 109990.	5.1	68
57	Synchronization between integer-order chaotic systems and a class of fractional-order chaotic system based on fuzzy sliding mode control. Nonlinear Dynamics, 2012, 70, 1549-1561.	5.2	67
58	Generalization of the simplest autonomous chaotic system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1445-1450.	2.1	65
59	Offset Boosting for Breeding Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850163.	1.7	65
60	Linearization of the Lorenz system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 888-893.	2.1	64
61	Classifying and quantifying basins of attraction. Chaos, 2015, 25, 083101.	2.5	63
62	DYNAMICS OF A SIMPLIFIED LORENZ SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 1357-1366.	1.7	61
63	A dynamical system with a strange attractor and invariant tori. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1361-1363.	2.1	60
64	A chaotic model of sustaining attention problem in attention deficit disorder. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 174-185.	3.3	60
65	Controlling chaos in low- and high-dimensional systems with periodic parametric perturbations. Physical Review E, 1999, 59, 5313-5324.	2.1	57
66	Modeling of epilepsy based on chaotic artificial neural network. Chaos, Solitons and Fractals, 2017, 105, 150-156.	5.1	55
67	Heat conduction, and the lack thereof, in time-reversible dynamical systems: Generalized NosÃ©-Hoover oscillators with a temperature gradient. Physical Review E, 2014, 89, 042914.	2.1	53
68	Are Perpetual Points Sufficient for Locating Hidden Attractors?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750037.	1.7	53
69	Hyperchaos and hyperchaos control of the sinusoidally forced simplified Lorenz system. Nonlinear Dynamics, 2012, 69, 1383-1391.	5.2	51
70	Infinite lattice of hyperchaotic strange attractors. Chaos, Solitons and Fractals, 2018, 109, 76-82.	5.1	50
71	Neural network method for determining embedding dimension of a time series. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3294-3302.	3.3	47
72	Precision measurements of a simple chaotic circuit. American Journal of Physics, 2004, 72, 503-509.	0.7	46

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73	Electrical circuit modeling of reversed field pinches. Physics of Fluids, 1988, 31, 2266.	1.4	45
74	Dynamics at Infinity, Degenerate Hopf and Zero-Hopf Bifurcation for Kingniâ€“Jafari System with Hidden Attractors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650125.	1.7	45
75	Adaptive complex modified hybrid function projective synchronization of different dimensional complex chaos with uncertain complex parameters. Nonlinear Dynamics, 2016, 83, 1109-1121.	5.2	44
76	Competition with evolution in ecology and finance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 329-333.	2.1	42
77	Limitation of Perpetual Points for Confirming Conservation in Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550182.	1.7	41
78	Extraction of dynamical equations from chaotic data. Physica D: Nonlinear Phenomena, 1992, 58, 251-259.	2.8	40
79	Can Lyapunov exponent predict critical transitions in biological systems?. Nonlinear Dynamics, 2017, 88, 1493-1500.	5.2	40
80	Predicting tipping points of dynamical systems during a period-doubling route to chaos. Chaos, 2018, 28, 073102.	2.5	40
81	A novel four-wing strange attractor born in bistability. IEICE Electronics Express, 2015, 12, 20141116-20141116.	0.8	39
82	Coexistence and chaos in complex ecologies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 207-212.	2.1	37
83	LABYRINTH CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2097-2108.	1.7	37
84	Symmetric Time-Reversible Flows with a Strange Attractor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550078.	1.7	37
85	Asymmetric Bistability in the R"{o}ssler System. Acta Physica Polonica B, 2017, 48, 97.	0.8	37
86	Synchronization of two RÃ¶ssler systems with switching coupling. Nonlinear Dynamics, 2017, 88, 673-683.	5.2	36
87	PERIODICALLY FORCED CHAOTIC SYSTEM WITH SIGNUM NONLINEARITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1499-1507.	1.7	35
88	Dynamical models of happiness. Nonlinear Dynamics, Psychology, and Life Sciences, 2005, 9, 23-36.	0.2	34
89	A simple spatiotemporal chaotic Lotkaâ€“Volterra model. Chaos, Solitons and Fractals, 2005, 26, 1035-1043.	5.1	33
90	Evaluating Lyapunov exponent spectra with neural networks. Chaos, Solitons and Fractals, 2013, 51, 13-21.	5.1	33

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91	Coexisting Infinite Equilibria and Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2130014.	1.7	33
92	Simplest driven conservative chaotic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 385-388.	2.1	32
93	Maximally complex simple attractors. Chaos, 2007, 17, 033124.	2.5	32
94	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.	1.7	31
95	Electron Cyclotron Heating in Toroidal Octupoles. Physics of Fluids, 1971, 14, 1795.	1.4	30
96	First results from the Madison Symmetric Torus reversed field pinch. Physics of Fluids B, 1990, 2, 1367-1371.	1.7	30
97	Crisis in Amplitude Control Hides in Multistability. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650233.	1.7	30
98	A Simple Chaotic Flow with a Continuously Adjustable Attractor Dimension. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530036.	1.7	29
99	Automatic generation of iterated function systems. Computers and Graphics, 1994, 18, 417-425.	2.5	28
100	Routes to Chaos in Neural Networks with Random Weights. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1463-1478.	1.7	28
101	Chaos and the limits of predictability for the solar-wind-driven magnetosphereâ€“ionosphere system. Physics of Plasmas, 2001, 8, 2946-2952.	1.9	28
102	Self-organized criticality in forest-landscape evolution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 297, 267-271.	2.1	27
103	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.	3.3	27
104	Amplitude-phase control of a novel chaotic attractor. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1-11.	1.4	27
105	Turbulent transport in the Madison Symmetric Torus reversedâ€field pinch. Physics of Fluids B, 1992, 4, 2136-2141.	1.7	26
106	How common is chaos?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 173, 21-24.	2.1	26
107	Routes to chaos in high-dimensional dynamical systems: A qualitative numerical study. Physica D: Nonlinear Phenomena, 2006, 223, 194-207.	2.8	26
108	Structural stability and hyperbolicity violation in high-dimensional dynamical systems. Nonlinearity, 2006, 19, 1801-1847.	1.4	26

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109	On the robustness of chaos in dynamical systems: Theories and applications. Frontiers of Physics in China, 2008, 3, 195-204.	1.0	26
110	Constructing conditional symmetry in symmetric chaotic systems. Chaos, Solitons and Fractals, 2022, 155, 111723.	5.1	26
111	Tokamak start-up with electron-cyclotron heating. Nuclear Fusion, 1981, 21, 1483-1487.	3.5	25
112	A chaotic viewpoint on noise reduction from respiratory sounds. Biomedical Signal Processing and Control, 2014, 10, 245-249.	5.7	25
113	Chaotic dynamics on large networks. Chaos, 2008, 18, 023135.	2.5	24
114	Ergodicity of a singly-thermostated harmonic oscillator. Communications in Nonlinear Science and Numerical Simulation, 2016, 32, 234-240.	3.3	24
115	Initial results from the Tokapole-II poloidal divertor device. Nuclear Fusion, 1979, 19, 1509-1518.	3.5	23
116	A search for the simplest chaotic partial differential equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2717-2721.	2.1	23
117	Transport reduction by current profile control in the reversedâ€field pinch. Physics of Plasmas, 1995, 2, 2440-2446.	1.9	22
118	Deterministic time-reversible thermostats: chaos, ergodicity, and the zeroth law of thermodynamics. Molecular Physics, 2015, 113, 2863-2872.	1.7	22
119	Nonideal Behavior of Analog Multipliers for Chaos Generation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 396-400.	3.0	22
120	Influence of a Toroidal Field on Plasma Confined in a Toroidal Octupole. Physics of Fluids, 1968, 11, 1115.	1.4	21
121	Computer Calculations of Electron Cyclotron Heating in a Nonuniform Magnetic Field. Physics of Fluids, 1971, 14, 2703.	1.4	21
122	Experimental Observation of the Shear AlfvÃ©n Resonance in a Tokamak. Physical Review Letters, 1984, 53, 1559-1562.	7.8	21
123	Controlling chaos in a high dimensional system with periodic parametric perturbations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 254, 275-278.	2.1	21
124	The effect of modulating a parameter in the logistic map. Chaos, 2008, 18, 023119.	2.5	21
125	A MINIMAL 2-D QUADRATIC MAP WITH QUASI-PERIODIC ROUTE TO CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1567-1577.	1.7	21
126	Comment on â€œHow to obtain extreme multistability in coupled dynamical systemsâ€• Physical Review E, 2014, 89, 066901.	2.1	21

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127	Ergodic time-reversible chaos for Gibbs' canonical oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2935-2940.	2.1	21
128	Simplest chaotic system with a hyperbolic sine and its applications in DCSK scheme. IET Communications, 2018, 12, 809-815.	2.2	21
129	Extensions in dynamic models of happiness: effect of memory. International Journal of Happiness and Development, 2014, 1, 344.	0.1	19
130	Hidden Attractors with Conditional Symmetry. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030042.	1.7	19
131	Dynamical models of love. Nonlinear Dynamics, Psychology, and Life Sciences, 2004, 8, 303-14.	0.2	19
132	Using Rate of Divergence as an Objective Measure to Differentiate between Voice Signal Types Based on the Amount of Disorder in the Signal. Journal of Voice, 2017, 31, 16-23.	1.5	18
133	DYNAMIC PATTERNS OF POSTURAL FLUCTUATIONS DURING QUIET STANDING: A RECURRENCE QUANTIFICATION APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1163-1172.	1.7	17
134	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.	2.1	17
135	Trapping of Gun-Injected Plasma by a Tokamak. Physical Review Letters, 1986, 57, 333-336.	7.8	16
136	ON THE DYNAMICS OF A NEW SIMPLE 2-D RATIONAL DISCRETE MAPPING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 155-160.	1.7	16
137	Nonequilibrium systems: hard disks and harmonic oscillators near and far from equilibrium. Molecular Simulation, 2016, 42, 1300-1316.	2.0	16
138	The Equivalence of Dissipation from Gibbsâ€™ Entropy Production with Phase-Volume Loss in Ergodic Heat-Conducting Oscillators. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650089.	1.7	16
139	Harmonic Oscillators with Nonlinear Damping. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730037.	1.7	16
140	Comment on â€œA hidden chaotic attractor in the classical Lorenz systemâ€• Chaos, Solitons and Fractals, 2018, 113, 261-262.	5.1	16
141	How to Bridge Attractors and Repellors. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750149.	1.7	15
142	A simple memristive jerk system. IET Circuits, Devices and Systems, 2021, 15, 388-392.	1.4	15
143	New Chaotic Regimes in the Lorenz and Chen Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550033.	1.7	14
144	Polarity balance for attractor self-reproducing. Chaos, 2020, 30, 063144.	2.5	14

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145	Admittance Probe Method of Measuring Time Resolved Plasma Electron Temperatures. Review of Scientific Instruments, 1968, 39, 1569-1570.	1.3	13
146	Simple models of complex chaotic systems. American Journal of Physics, 2008, 76, 474-480.	0.7	13
147	Wide Band Electrostatic Probes for Use in Tenuous Plasmas. Review of Scientific Instruments, 1966, 37, 897-900.	1.3	12
148	Double Vortex Flows in Plasmas Axially Traversing Multipole Magnetic Fields. Physics of Fluids, 1969, 12, 707.	1.4	12
149	High power heating in the ion cyclotron range of frequencies in the Wisconsin Tokapole II. Plasma Physics, 1981, 23, 679-691.	0.9	12
150	Modified polynomial function model for reversedâ€field pinches. Physics of Fluids B, 1991, 3, 1225-1231.	1.7	12
151	Strange attractor symmetric icons. Computers and Graphics, 1996, 20, 325-332.	2.5	12
152	CHAOS IN A NONLINEAR ANALOG COMPUTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2867-2873.	1.7	12
153	Hyperlabyrinth chaos: From chaotic walks to spatiotemporal chaos. Chaos, 2007, 17, 023110.	2.5	12
154	THE DISCRETE HYPERCHAOTIC DOUBLE SCROLL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 1023-1027.	1.7	12
155	Adaptive Rungeâ€“Kutta integration for stiff systems: Comparing NosÃ© and NosÃ©â€“Hoover dynamics for the harmonic oscillator. American Journal of Physics, 2016, 84, 786-794.	0.7	12
156	Experimental demonstration of EÃ—B plasma divertor. Physics of Fluids, 1978, 21, 2342.	1.4	11
157	Studies of a reversed field pinch in a poloidal divertor configuration. Nuclear Fusion, 1989, 29, 104-108.	3.5	11
158	Anti-Newtonian dynamics. American Journal of Physics, 2009, 77, 783-787.	0.7	11
159	SIMPLEST 3D CONTINUOUS-TIME QUADRATIC SYSTEMS AS CANDIDATES FOR GENERATING MULTISCROLL CHAOTIC ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350120.	1.7	11
160	When Two Dual Chaotic Systems Shake Hands. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450086.	1.7	11
161	GENERATING 3-SCROLL ATTRACTORS FROM ONE CHUA CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 135-144.	1.7	10
162	Off-resonance heating of mirror confined plasmas. Plasma Physics, 1972, 14, 269-274.	0.9	9

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163	Studies of large, non-circular, reversed field pinch discharges. Nuclear Fusion, 1987, 27, 1795-1803.	3.5	9
164	Trapping of gunâ€injected plasma by a tokamak. Physics of Fluids, 1987, 30, 2877-2884.	1.4	9
165	Predicting the dimension of strange attractors. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 192, 355-360.	2.1	9
166	IDENTIFICATION OF DYNAMIC PATTERNS OF BODY SWAY DURING QUIET STANDING: IS IT A NONLINEAR PROCESS?. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1269-1278.	1.7	9
167	Non-existence of Shilnikov chaos in continuous-time systems. Applied Mathematics and Mechanics (English Edition), 2012, 33, 371-374.	3.6	9
168	Biophilic fractals and the visual journey of organic screen-savers. Nonlinear Dynamics, Psychology, and Life Sciences, 2008, 12, 117-29.	0.2	9
169	Equilibrium studies of a poloidal divertor pinch with a reversed toroidal field. Physics of Fluids, 1987, 30, 2155.	1.4	8
170	Sentiment-driven limit cycles and chaos. Journal of Evolutionary Economics, 2017, 27, 729-760.	1.7	8
171	Measurements of electron-cyclotron heating rates. Physics of Fluids, 1974, 17, 810.	1.4	7
172	Ion cyclotron resonance heating in the Wisconsin supported toroidal octupole. Plasma Physics, 1977, 19, 945-957.	0.9	7
173	Experimental Study of Axisymmetric Instability of Inverse-Dee and Square Tokamak Equilibria. Physical Review Letters, 1979, 43, 36-39.	7.8	7
174	Electrical circuit modeling of conductors with skin effect. Journal of Applied Physics, 1986, 60, 475-481.	2.5	7
175	Simple Programs Create 3-D Images. Computers in Physics, 1992, 6, 132.	0.5	7
176	Chaos in reversed-field-pinch plasma simulation and experiment. Physical Review E, 1994, 49, 2291-2301.	2.1	7
177	Complex spatiotemporal dynamics in Lotkaâ€“Volterra ring systems. Ecological Complexity, 2006, 3, 140-147.	2.9	7
178	A new simple 2-D piecewise linear map. Journal of Systems Science and Complexity, 2010, 23, 379-389.	2.8	7
179	Boundedness of Certain Forms of Jerky Dynamics. Qualitative Theory of Dynamical Systems, 2012, 11, 199-213.	1.7	7
180	A symmetric pair of hyperchaotic attractors. International Journal of Circuit Theory and Applications, 2018, 46, 2434-2443.	2.0	7

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181	A chaotic model of migraine headache considering the dynamical transitions of this cyclic disease. Europhysics Letters, 2018, 123, 10006.	2.0	7
182	Simplifications of the Lorenz attractor. Nonlinear Dynamics, Psychology, and Life Sciences, 2009, 13, 271-8.	0.2	7
183	High-Î² plasma behaviour in a canted mirror. Nuclear Fusion, 1973, 13, 693-701.	3.5	6
184	A method for approximating missing data in spatial patterns. Computers and Graphics, 2004, 28, 113-117.	2.5	6
185	A Chaotic Circuit for Producing Gaussian Random Numbers. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050116.	1.7	6
186	Behavior of a Cold Ion Plasma in a Toroidal Octupole. Physics of Fluids, 1970, 13, 1626.	1.4	5
187	Numerical Calculations of Off-Resonance Heating. Physics of Fluids, 1972, 15, 2247.	1.4	5
188	Multipole and tokamak research at the University of Wisconsin. Nuclear Fusion, 1985, 25, 1179-1182.	3.5	5
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