Clint Sprott

List of Publications by Year in Descending Order

231 papers	10,586 citations	55 h-index	96 g-index
235 ext. papers	11,888 ext. citations	2.6 avg, IF	7.17 L-index

#	Paper	IF	Citations
231	Constructing conditional symmetry in symmetric chaotic systems. *Chaos, Solitons and Fractals*, **2022**, 155, 111723	9.3	4
230	Quantifying the robustness of a chaotic system.. *Chaos*, **2022**, 32, 033124	3.3	1
229	The Butterfly Effect in Primary Visual Cortex. *IEEE Transactions on Computers*, **2022**, 1-1	2.5	0
228	Multi-Stability in Symmetric Systems. *Emergence, Complexity and Computation*, **2021**, 311-329	0.1	
227	Multi-Stability Detection in Chaotic Systems. *Emergence, Complexity and Computation*, **2021**, 377-396	0.1	
226	Chaotic Systems with Any Number and Various Types of Equilibria. *Emergence, Complexity and Computation*, **2021**, 125-146	0.1	
225	Multi-Stability in Self-Reproducing Systems. *Emergence, Complexity and Computation*, **2021**, 359-375	0.1	
224	Multi-Stability in Asymmetric Systems. *Emergence, Complexity and Computation*, **2021**, 331-344	0.1	
223	Globally Attracting Hidden Attractors. *Emergence, Complexity and Computation*, **2021**, 595-606	0.1	
222	A simple memristive jerk system. *IET Circuits, Devices and Systems*, **2021**, 15, 388	1.1	6
221	Coexisting Infinite Equilibria and Chaos. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2021**, 31, 2130014	2	19
220	Time-Reversible Chaotic System with Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2050067	2	2
219	A chaotic circuit based on a physical memristor. *Chaos, Solitons and Fractals*, **2020**, 138, 109990	9.3	25
218	Variants of the Nos□Hoover oscillator. *European Physical Journal: Special Topics*, **2020**, 229, 963-971	2.3	0
217	Polarity balance for attractor self-reproducing. *Chaos*, **2020**, 30, 063144	3.3	10
216	A Chaotic Circuit for Producing Gaussian Random Numbers. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2050116	2	4
215	Hidden Attractors with Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2030042	2	9

214	Infinite lattice of hyperchaotic strange attractors. *Chaos, Solitons and Fractals*, **2018**, 109, 76-82	9.3	42
213	An infinite 3-D quasiperiodic lattice of chaotic attractors. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 581-587	2.3	92
212	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. *IEEE Access*, **2018**, 6, 29003-29012	3.5	63
211	Predicting tipping points of dynamical systems during a period-doubling route to chaos. *Chaos*, **2018**, 28, 073102	3.3	31
210	A chaotic model of migraine headache considering the dynamical transitions of this cyclic disease. *Europhysics Letters*, **2018**, 123, 10006	1.6	5
209	Offset Boosting for Breeding Conditional Symmetry. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850163	2	47
208	A symmetric pair of hyperchaotic attractors. *International Journal of Circuit Theory and Applications*, **2018**, 46, 2434-2443	2	7
207	Simplest chaotic system with a hyperbolic sine and its applications in DCSK scheme. *IET Communications*, **2018**, 12, 809-815	1.3	12
206	Comment on A hidden chaotic attractor in the classical Lorenz system *Chaos, Solitons and Fractals* , **2018**, 113, 261-262	9.3	13
205	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	1.9	14
204	Can Lyapunov exponent predict critical transitions in biological systems?. *Nonlinear Dynamics*, **2017**, 88, 1493-1500	5	35
203	Hidden hyperchaos and electronic circuit application in a 5D self-exciting homopolar disc dynamo. *Chaos*, **2017**, 27, 033101	3.3	132
202	Are Perpetual Points Sufficient for Locating Hidden Attractors?. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750037	2	45
201	Sentiment-driven limit cycles and chaos. *Journal of Evolutionary Economics*, **2017**, 27, 729-760	1.9	5
200	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	2	29
199	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	2	67
198	Synchronization of two Rössler systems with switching coupling. *Nonlinear Dynamics*, **2017**, 88, 673-683	5	30
197	How to Bridge Attractors and Repellors. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750149	2	9

196	Infinite Multistability in a Self-Reproducing Chaotic System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750160	2	116
195	A new chaotic oscillator with free control. *Chaos*, **2017**, 27, 083101	3.3	62
194	Harmonic Oscillators with Nonlinear Damping. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1730037	2	13
193	Modeling of epilepsy based on chaotic artificial neural network. *Chaos, Solitons and Fractals*, **2017**, 105, 150-156	9.3	31
192	An infinite 2-D lattice of strange attractors. *Nonlinear Dynamics*, **2017**, 89, 2629-2639	5	79
191	Constructing chaotic systems with conditional symmetry. *Nonlinear Dynamics*, **2017**, 87, 1351-1358	5	94
190	Asymmetric Bistability in the R"{o}ssler System. *Acta Physica Polonica B*, **2017**, 48, 97	1.9	32
189	Nonequilibrium systems: hard disks and harmonic oscillators near and far from equilibrium. *Molecular Simulation*, **2016**, 42, 1300-1316	2	10
188	Simple Chaotic Flows with a Curve of Equilibria. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1630034	2	87
187	Dynamics at Infinity, Degenerate Hopf and Zero-Hopf Bifurcation for Kingni□afari System with Hidden Attractors. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering* , **2016**, 26, 1650125	2	42
186	The Equivalence of Dissipation from Gibbs□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	2	12
185	Simple Chaotic Hyperjerk System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650189	2	46
184	Ergodicity of a singly-thermostated harmonic oscillator. *Communications in Nonlinear Science and Numerical Simulation*, **2016**, 32, 234-240	3.7	19
183	A Simple Chaotic Flow with a Plane of Equilibria. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650098	2	133
182	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	2.3	15
181	Hypogenetic chaotic jerk flows. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2016**, 380, 1172-1177	2.3	72
180	Nonideal Behavior of Analog Multipliers for Chaos Generation. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2016**, 63, 396-400	3.5	21
179	Adaptive complex modified hybrid function projective synchronization of different dimensional complex chaos with uncertain complex parameters. *Nonlinear Dynamics*, **2016**, 83, 1109-1121	5	36

178	The speed of reaction-diffusion fronts on fractals: testing the Campos-Méndez-Fort formula. *ScienceAsia*, **2016**, 42, 33	1.4	4
177	Amplitude-phase control of a novel chaotic attractor. *Turkish Journal of Electrical Engineering and Computer Sciences*, **2016**, 24, 1-11	0.9	23
176	Crisis in Amplitude Control Hides in Multistability. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650233	2	26
175	Adaptive Runge–Kutta integration for stiff systems: Comparing Nosé and Nosé–Hoover dynamics for the harmonic oscillator. *American Journal of Physics*, **2016**, 84, 786-794	0.7	7
174	Variable-boostable chaotic flows. *Optik*, **2016**, 127, 10389-10398	2.5	128
173	Simple Chaotic Flow with Circle and Square Equilibrium. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650137	2	81
172	Simple chaotic 3D flows with surfaces of equilibria. *Nonlinear Dynamics*, **2016**, 86, 1349-1358	5	104
171	New Chaotic Regimes in the Lorenz and Chen Systems. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550033	2	12
170	Strange attractors with various equilibrium types. *European Physical Journal: Special Topics*, **2015**, 224, 1409-1419	2.3	65
169	Multistability in symmetric chaotic systems. *European Physical Journal: Special Topics*, **2015**, 224, 1493-1506	2.3	131
168	Symmetric Time-Reversible Flows with a Strange Attractor. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550078	2	29
167	A chaotic system with a single unstable node. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2030-2036	2.3	62
166	Elementary quadratic chaotic flows with a single non-hyperbolic equilibrium. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2184-2187	2.3	69
165	Deterministic time-reversible thermostats: chaos, ergodicity, and the zeroth law of thermodynamics. *Molecular Physics*, **2015**, 113, 2863-2872	1.7	18
164	Ergodic time-reversible chaos for Gibbs' canonical oscillator. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2935-2940	2.3	19
163	Constructing Chaotic Systems with Total Amplitude Control. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1530025	2	93
162	Classifying and quantifying basins of attraction. *Chaos*, **2015**, 25, 083101	3.3	55
161	A chaotic model of sustaining attention problem in attention deficit disorder. *Communications in Nonlinear Science and Numerical Simulation*, **2015**, 20, 174-185	3.7	47

160	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	3.7	23
159	A novel four-wing strange attractor born in bistability. *IEICE Electronics Express*, **2015**, 12, 20141116-20141116	0.5	33
158	Limitation of Perpetual Points for Confirming Conservation in Dynamical Systems. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550182	2	34
157	Recent new examples of hidden attractors. *European Physical Journal: Special Topics*, **2015**, 224, 1469-1476	2.3	178
156	A Simple Chaotic Flow with a Continuously Adjustable Attractor Dimension. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1530036	2	24
155	Linearization of the Lorenz system. *Physics Letters, Section A: General, Atomic and Solid State Physics* , **2015**, 379, 888-893	2.3	52
154	A dynamical system with a strange attractor and invariant tori. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 1361-1363	2.3	55
153	Heat conduction, and the lack thereof, in time-reversible dynamical systems: generalized Nos Hoover oscillators with a temperature gradient. *Physical Review E*, **2014**, 89, 042914	2.4	46
152	Chaotic flows with a single nonquadratic term. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 178-183	2.3	98
151	Multistability in the Lorenz System: A Broken Butterfly. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450131	2	138
150	Bistability in a hyperchaotic system with a line equilibrium. *Journal of Experimental and Theoretical Physics*, **2014**, 118, 494-500	1	73
149	When Two Dual Chaotic Systems Shake Hands. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450086	2	9
148	Extensions in dynamic models of happiness: effect of memory. *International Journal of Happiness and Development*, **2014**, 1, 344	0.4	14
147	Coexisting Hidden Attractors in a 4-D Simplified Lorenz System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450034	2	215
146	Simplest Chaotic Flows with Involutional Symmetries. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450009	2	54
145	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	2	72
144	A New Piecewise Linear Hyperchaotic Circuit. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2014**, 61, 977-981	3.5	90
143	Finding coexisting attractors using amplitude control. *Nonlinear Dynamics*, **2014**, 78, 2059-2064	5	65

142	Comment on "how to obtain extreme multistability in coupled dynamical systems". *Physical Review E*, **2014**, 89, 066901	2.4	20
141	A chaotic viewpoint on noise reduction from respiratory sounds. *Biomedical Signal Processing and Control*, **2014**, 10, 245-249	4.9	18
140	Amplitude control approach for chaotic signals. *Nonlinear Dynamics*, **2013**, 73, 1335-1341	5	99
139	Application of TakagiSugeno fuzzy model to a class of chaotic synchronization and anti-synchronization. *Nonlinear Dynamics*, **2013**, 73, 1495-1505	5	95
138	COEXISTENCE OF POINT, PERIODIC AND STRANGE ATTRACTORS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350093	2	133
137	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	2	9
136	Simple chaotic flows with a line equilibrium. *Chaos, Solitons and Fractals*, **2013**, 57, 79-84	9.3	380
135	Elementary quadratic chaotic flows with no equilibria. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2013**, 377, 699-702	2.3	369
134	Evaluating Lyapunov exponent spectra with neural networks. *Chaos, Solitons and Fractals*, **2013**, 51, 13-20	9.3	31
133	SIMPLE CHAOTIC FLOWS WITH ONE STABLE EQUILIBRIUM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350188	2	262
132	A RIGOROUS DETERMINATION OF THE OVERALL PERIOD IN THE STRUCTURE OF A CHAOTIC ATTRACTOR. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350046	2	2
131	ABOUT UNIVERSAL BASINS OF ATTRACTION IN HIGH-DIMENSIONAL SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350197	2	3
130	MULTISTABILITY IN A BUTTERFLY FLOW. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350199	2	68
129	Is chaos good for learning?. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2013**, 17, 223-32	0.4	5
128	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	62
127	Boundedness of Certain Forms of Jerky Dynamics. *Qualitative Theory of Dynamical Systems*, **2012**, 11, 199-213	0.8	4
126	Hyperbolification of dynamical systems: The case of continuous-time systems. *Journal of Experimental and Theoretical Physics*, **2012**, 115, 356-360	1	2
125	Hyperchaos and hyperchaos control of the sinusoidally forced simplified Lorenz system. *Nonlinear Dynamics*, **2012**, 69, 1383-1391	5	42

124	Non-existence of Shilnikov chaos in continuous-time systems. *Applied Mathematics and Mechanics (English Edition)*, **2012**, 33, 371-374	3.2	5
123	Spatiotemporal chaos in Easter Island ecology. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2012**, 16, 387-95	0.4	
122	A New Chaotic Jerk Circuit. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2011**, 58, 240-243	3.5	116
121	Chaotifying 2-D piecewise-linear maps via a piecewise-linear controller function. *Nonlinear Oscillations*, **2011**, 13, 352-360		2
120	About the boundedness of 3-D continuous-time quadratic systems. *Nonlinear Oscillations*, **2011**, 13, 550-557		
119	Neural network method for determining embedding dimension of a time series. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 3294-3302	3.7	36
118	Generalization of the simplest autonomous chaotic system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 1445-1450	2.3	59
117	How to Transform a Type of Chaos in Dynamical Systems?. *World Scientific Series on Nonlinear Science, Series B*, **2011**, 231-252	0.3	
116	ROBUSTIFICATION OF CHAOS IN 2D MAPS. *International Journal of Modeling, Simulation, and Scientific Computing*, **2011**, 14, 817-827	0.8	2
115	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	2	14
114	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	2	12
113	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	2	136
112	Chaos in easter island ecology. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2011**, 15, 445-54	0.4	5
111	PERIODICALLY FORCED CHAOTIC SYSTEM WITH SIGNUM NONLINEARITY. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 1499-1507	2	25
110	GENERATING 3-SCROLL ATTRACTORS FROM ONE CHUA CIRCUIT. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 135-144	2	9
109	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	2	8
108	SIMPLE CONSERVATIVE, AUTONOMOUS, SECOND-ORDER CHAOTIC COMPLEX VARIABLE SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 697-702	2	2
107	BIFURCATIONS AND CHAOS IN FRACTIONAL-ORDER SIMPLIFIED LORENZ SYSTEM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 1209-1219	2	76

106	Simple Autonomous Chaotic Circuits. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2010**, 57, 730-734	3.5	78
105	A new simple 2-D piecewise linear map. *Journal of Systems Science and Complexity*, **2010**, 23, 379-389	1	4
104	Elegant Chaos **2010**,		255
103	DYNAMICS OF A SIMPLIFIED LORENZ SYSTEM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 1357-1366	2	43
102	THE DISCRETE HYPERCHAOTIC DOUBLE SCROLL. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 1023-1027	2	9
101	A search for the simplest chaotic partial differential equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 2717-2721	2.3	20
100	Classification of three-dimensional quadratic diffeomorphisms with constant Jacobian. *Frontiers of Physics in China*, **2009**, 4, 111-121		5
99	Some explicit formulas of Lyapunov exponents for three-dimensional quadratic mappings. *Frontiers of Physics in China*, **2009**, 4, 549-555		2
98	Anti-Newtonian dynamics. *American Journal of Physics*, **2009**, 77, 783-787	0.7	9
97	Simplifications of the Lorenz attractor. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2009**, 13, 271-8	0.4	5
96	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	2	18
95	Chaotic dynamics on large networks. *Chaos*, **2008**, 18, 023135	3.3	21
94	Simple models of complex chaotic systems. *American Journal of Physics*, **2008**, 76, 474-480	0.7	9
93	A simple diffusion model showing anomalous scaling. *Physics of Plasmas*, **2008**, 15, 082308	2.1	3
92	On the robustness of chaos in dynamical systems: Theories and applications. *Frontiers of Physics in China*, **2008**, 3, 195-204		21
91	The effect of modulating a parameter in the logistic map. *Chaos*, **2008**, 18, 023119	3.3	17
90	Predator-Prey Dynamics for Rabbits, Trees, and Romance **2008**, 231-238		
89	Biophilic fractals and the visual journey of organic screen-savers. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2008**, 12, 117-29	0.4	9

88	A simple chaotic delay differential equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 366, 397-402	2.3	87
87	LABYRINTH CHAOS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 2097-2108	2	27
86	Hyperlabyrinth chaos: from chaotic walks to spatiotemporal chaos. *Chaos*, **2007**, 17, 023110	3.3	9
85	Maximally complex simple attractors. *Chaos*, **2007**, 17, 033124	3.3	23
84	Structural stability and hyperbolicity violation in high-dimensional dynamical systems. *Nonlinearity*, **2006**, 19, 1801-1847	1.7	22
83	Complex spatiotemporal dynamics in Lotka□Volterra ring systems. *Ecological Complexity*, **2006**, 3, 140-147	2.6	5
82	Chaos in low-dimensional Lotka□Volterra models of competition. *Nonlinearity*, **2006**, 19, 2391-2404	1.7	86
81	Chaotic hyperjerk systems. *Chaos, Solitons and Fractals*, **2006**, 28, 739-746	9.3	108
80	Routes to chaos in high-dimensional dynamical systems: A qualitative numerical study. *Physica D: Nonlinear Phenomena*, **2006**, 223, 194-207	3.3	24
79	Probability of Local Bifurcation Type from a Fixed Point: A Random Matrix Perspective. *Journal of Statistical Physics*, **2006**, 125, 885-921	1.5	3
78	A comparison of correlation and Lyapunov dimensions. *Physica D: Nonlinear Phenomena*, **2005**, 200, 156-164	3.3	55
77	Coexistence and chaos in complex ecologies. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 335, 207-212	2.3	29
76	A simple spatiotemporal chaotic Lotka□Volterra model. *Chaos, Solitons and Fractals*, **2005**, 26, 1035-1043	9.3	23
75	Dynamical models of happiness. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2005**, 9, 23-36	0.4	32
74	Precision measurements of a simple chaotic circuit. *American Journal of Physics*, **2004**, 72, 503-509	0.7	38
73	CHAOS IN A NONLINEAR ANALOG COMPUTER. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 2867-2873	2	7
72	A method for approximating missing data in spatial patterns. *Computers and Graphics*, **2004**, 28, 113-117	1.8	4
71	Competition with evolution in ecology and finance. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2004**, 325, 329-333	2.3	40

70	Can a monkey with a computer create art?. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2004**, 8, 103-14	0.4	5
69	Dynamical models of love. *Nonlinear Dynamics, Psychology, and Life Sciences*, **2004**, 8, 303-14	0.4	19
68	Chaos in fractional-order autonomous nonlinear systems. *Chaos, Solitons and Fractals*, **2003**, 16, 339-351	9.3	352
67	On the synchronization of a class of electronic circuits that exhibit chaos. *Chaos, Solitons and Fractals*, **2002**, 13, 1515-1521	9.3	61
66	Self-organized criticality in forest-landscape evolution. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2002**, 297, 267-271	2.3	24
65	Comment on A new class of exact solutions of the Vlasov equation [Phys. Plasmas 8, 5081 (2001)]. *Physics of Plasmas*, **2002**, 9, 4093-4094	2.1	1
64	Simplest driven conservative chaotic oscillator. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2001**, 291, 385-388	2.3	27
63	IMPROVED CORRELATION DIMENSION CALCULATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2001**, 11, 1865-1880	2	56
62	Can a Computer Produce and Critique Art?. *Leonardo*, **2001**, 34, 369-369	0.1	2
61	Chaos and the limits of predictability for the solar-wind-driven magnetosphere–ionosphere system. *Physics of Plasmas*, **2001**, 8, 2946-2952	2.1	26
60	A new class of chaotic circuit. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2000**, 266, 19-23	2.3	271
59	Simple chaotic systems and circuits. *American Journal of Physics*, **2000**, 68, 758-763	0.7	265
58	Controlling chaos in low- and high-dimensional systems with periodic parametric perturbations. *Physical Review E*, **1999**, 59, 5313-24	2.4	47
57	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	2.3	15
56	Elementary chaotic flow. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1999**, 259, 240-245	2.3	77
55	Artificial neural net attractors. *Computers and Graphics*, **1998**, 22, 143-149	1.8	1
54	Routes to Chaos in Neural Networks with Random Weights. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **1998**, 08, 1463-1478	2	26
53	Some simple chaotic jerk functions. *American Journal of Physics*, **1997**, 65, 537-543	0.7	239

52	Simplest dissipative chaotic flow. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1997**, 228, 271-274	2.3	219
51	Strange attractor symmetric icons. *Computers and Graphics*, **1996**, 20, 325-332	1.8	10
50	Transport reduction by current profile control in the reversed-field pinch. *Physics of Plasmas*, **1995**, 2, 2440-2446	2.1	22
49	Chaos in reversed-field-pinch plasma simulation and experiment. *Physical Review E*, **1994**, 49, 2291-2301	2.4	6
48	Predicting the dimension of strange attractors. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1994**, 192, 355-360	2.3	6
47	Some simple chaotic flows. *Physical Review E*, **1994**, 50, R647-R650	2.4	759
46	Automatic generation of iterated function systems. *Computers and Graphics*, **1994**, 18, 417-425	1.8	21
45	How common is chaos?. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1993**, 173, 21-24	2.3	17
44	Automatic generation of strange attractors. *Computers and Graphics*, **1993**, 17, 325-332	1.8	64
43	Turbulent transport in the Madison Symmetric Torus reversed-field pinch. *Physics of Fluids B*, **1992**, 4, 2136-2141		25
42	Simple Programs Create 3-D Images. *Computers in Physics*, **1992**, 6, 132		7
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