Celso Grebogi

List of Publications by Year in Descending Order

296 papers	20,712 citations	70 h-index	138 g-index
304 ext. papers	22,659 ext. citations	4.4 avg, IF	6.61 L-index

#	Paper	IF	Citations
296	Quasi-periodic solutions and homoclinic bifurcation in an impact inverted pendulum. *Physica D: Nonlinear Phenomena*, **2022**, 434, 133210	3.3	0
295	Rate-dependent tipping and early warning in a thermoacoustic system under extreme operating environment. *Chaos*, **2021**, 31, 113115	3.3	2
294	Double-Stream Differential Chaos Shift Keying Communications Exploiting Chaotic Shape Forming Filter and Sequence Mapping. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
293	Multiattention Adaptation Network for Motor Imagery Recognition. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	3
292	Artificial intelligence enhances the performance of chaotic baseband wireless communication. *IET Communications*, **2021**, 15, 1467	1.3	4
291	Rate-dependent bifurcation dodging in a thermoacoustic system driven by colored noise. *Nonlinear Dynamics*, **2021**, 104, 2733-2743	5	7
290	STRANGE NONCHAOTIC ATTRACTORS AND MULTISTABILITY IN A TWO-DEGREE-OF-FREEDOM QUASIPERIODICALLY FORCED VIBRO-IMPACT SYSTEM. *Fractals*, **2021**, 29, 2150103	3.2	1
289	Bi-directional impulse chaos control in crystal growth. *Chaos*, **2021**, 31, 053106	3.3	0
288	Invariant torus and its destruction for an oscillator with dry friction. *Nonlinear Dynamics*, **2021**, 104, 3467[illegible]5		
287	Some elements for a history of the dynamical systems theory. *Chaos*, **2021**, 31, 053110	3.3	3
286	Parameter impulse control of chaos in crystal growth process. *Journal of Crystal Growth*, **2021**, 563, 1260[illegible]7.0		3
285	Strange Nonchaotic Attractors From a Family of Quasiperiodically Forced Piecewise Linear Maps. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2021**, 31, 2150111	2	
284	Emergence of transient chaos and intermittency in machine learning. *Journal of Physics Complexity*, **2021**, 2, 035014	1.8	4
283	Complex Network Analysis of Experimental EEG Signals for Decoding Brain Cognitive State. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 531-535	3.5	1
282	A Graph-Temporal Fused Dual-Input Convolutional Neural Network for Detecting Sleep Stages from EEG Signals. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 777-781	3.5	9
281	Control of tipping points in stochastic mutualistic complex networks. *Chaos*, **2021**, 31, 023118	3.3	3
280	Chaos Generation With Impulse Control: Application to Non-Chaotic Systems and Circuit Design. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 3012-3022	3.9	4

279	Hausdorff dimension of chaotic attractors in a class of nonsmooth systems. *Chaos, Solitons and Fractals*, **2021**, 151, 111218	9.3	1
278	Mathematical model of brain tumour growth with drug resistance. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 103, 106013	3.7	1
277	The Existence of Aubry Mather sets for the Fermi Ulam Model. *Qualitative Theory of Dynamical Systems*, **2021**, 20, 1	0.8	1
276	Machine learning prediction of critical transition and system collapse. *Physical Review Research*, **2021**, 3,	3.9	17
275	The existence of strange nonchaotic attractors in the quasiperiodically forced Ricker family. *Chaos*, **2020**, 30, 053124	3.3	3
274	Multilayer brain network combined with deep convolutional neural network for detecting major depressive disorder. *Nonlinear Dynamics*, **2020**, 102, 667-677	5	6
273	Nonlinear dynamics in the flexible shaft rotating lifting system of silicon crystal puller using Czochralski method. *Nonlinear Dynamics*, **2020**, 102, 771-784	5	3
272	Topological horseshoe in a single-scroll Chen system with time delay. *Chaos, Solitons and Fractals*, **2020**, 132, 109593	9.3	3
271	One-Way Hash Function Based on Delay-Induced Hyperchaos. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2050020	2	5
270	Noise-enabled species recovery in the aftermath of a tipping point. *Physical Review E*, **2020**, 101, 012206	2.4	6
269	IEEE Access Special Section Editorial: Complex Network Analysis and Engineering in 5G and Beyond Toward 6G. *IEEE Access*, **2020**, 8, 227751-227755	3.5	
268	Rössler-network with time delay: Univariate impulse pinning synchronization. *Chaos*, **2020**, 30, 123101	3.3	1
267	Multistability in a quasiperiodically forced piecewise smooth dynamical system. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 84, 105165	3.7	5
266	A Coincidence-Filtering-Based Approach for CNNs in EEG-Based Recognition. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 7159-7167	11.9	18
265	Frequency stability in modern power network from complex network viewpoint. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 545, 123558	3.3	0
264	Sudden regime shifts after apparent stasis: Comment on "Long transients in ecology: Theory and applications" by Andrew Morozov et al. *Physics of Life Reviews*, **2020**, 32, 41-43	2.1	2
263	Tipping point and noise-induced transients in ecological networks. *Journal of the Royal Society Interface*, **2020**, 17, 20200645	4.1	9
262	Detecting gas-liquid two-phase flow pattern determinism from experimental signals with missing ordinal patterns. *Chaos*, **2020**, 30, 093102	3.3	0

261	Radio-Wave Communication With Chaos. *IEEE Access*, **2020**, 8, 167019-167026	3.5	6
260	Self-adaptation of chimera states. *Physical Review E*, **2019**, 99, 010201	2.4	9
259	Existence of Chaos in the Chen System with Linear Time-Delay Feedback. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950114	2	4
258	Digital underwater communication with chaos. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 73, 14-24	3.7	16
257	Strange nonchaotic attractors in a nonsmooth dynamical system. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 78, 104858	3.7	12
256	Experimental Phase Separation Differential Chaos Shift Keying Wireless Communication Based on Matched Filter. *IEEE Access*, **2019**, 7, 25274-25287	3.5	9
255	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. *Chaos*, **2019**, 29, 043106	3.3	14
254	Chaotic attractor of the normal form map for grazing bifurcations of impact oscillators. *Physica D: Nonlinear Phenomena*, **2019**, 398, 164-170	3.3	9
253	Quantitative assessment of cerebral connectivity deficiency and cognitive impairment in children with prenatal alcohol exposure. *Chaos*, **2019**, 29, 041101	3.3	4
252	Hyperchaos synchronization using univariate impulse control. *Physical Review E*, **2019**, 100, 052215	2.4	5
251	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 578-591	6.8	21
250	Multiplex Limited Penetrable Horizontal Visibility Graph from EEG Signals for Driver Fatigue Detection. *International Journal of Neural Systems*, **2019**, 29, 1850057	6.2	20
249	A Novel Multiplex Network-Based Sensor Information Fusion Model and Its Application to Industrial Multiphase Flow System. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 3982-3988	11.9	61
248	Predicting tipping points in mutualistic networks through dimension reduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E639-E647	11.5	62
247	Relativistic quantum chaos-An emergent interdisciplinary field. *Chaos*, **2018**, 28, 052101	3.3	20
246	Entropy-based generating Markov partitions for complex systems. *Chaos*, **2018**, 28, 033611	3.3	9
245	Multivariate empirical mode decomposition and multiscale entropy analysis of EEG signals from SSVEP-based BCI system. *Europhysics Letters*, **2018**, 122, 40010	1.6	2
244	Chaos-Based Underwater Communication With Arbitrary Transducers and Bandwidth. *Applied Sciences (Switzerland)*, **2018**, 8, 162	2.6	20

243	Link Prediction Investigation of Dynamic Information Flow in Epilepsy. *Journal of Healthcare Engineering*, **2018**, 2018, 8102597	3.7	4
242	Relativistic quantum chaos. *Physics Reports*, **2018**, 753, 1-128	27.7	24
241	A chaotic spread spectrum system for underwater acoustic communication. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 478, 77-92	3.3	32
240	Universal data-based method for reconstructing complex networks with binary-state dynamics. *Physical Review E*, **2017**, 95, 032303	2.4	24
239	Tumour chemotherapy strategy based on impulse control theory. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	16
238	Dynamics of delay induced composite multi-scroll attractor and its application in encryption. *International Journal of Non-Linear Mechanics*, **2017**, 94, 334-342	2.8	19
237	Weak connections form an infinite number of patterns in the brain. *Scientific Reports*, **2017**, 7, 46472	4.9	7
236	Secure Communication Based on Hyperchaotic Chen System with Time-Delay. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750076	2	20
235	Quasiperiodicity and suppression of multistability in nonlinear dynamical systems. *European Physical Journal: Special Topics*, **2017**, 226, 1703-1719	2.3	12
234	Chaos-based wireless communication resisting multipath effects. *Physical Review E*, **2017**, 96, 032226	2.4	21
233	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. *Brazilian Journal of Physics*, **2017**, 47, 678-688	1.2	8
232	Uncovering hidden flows in physical networks. *Europhysics Letters*, **2017**, 118, 58001	1.6	
231	Closed-Loop Control of Complex Networks: A Trade-Off between Time and Energy. *Physical Review Letters*, **2017**, 119, 198301	7.4	35
230	General analytical solutions for DC/AC circuit-network analysis. *European Physical Journal: Special Topics*, **2017**, 226, 1829-1844	2.3	2
229	Methods for removal of unwanted signals from gravity time-series: Comparison using linear techniques complemented with analysis of system dynamics. *Chaos*, **2017**, 27, 103126	3.3	
228	Wavelet Multiresolution Complex Network for Analyzing Multivariate Nonlinear Time Series. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2017**, 27, 1750123	2	55
227	Cascade failure analysis of power grid using new load distribution law and node removal rule. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 442, 239-251	3.3	34
226	Reconstructing direct and indirect interactions in networked public goods game. *Scientific Reports*, **2016**, 6, 30241	4.9	13

225	Data based identification and prediction of nonlinear and complex dynamical systems. *Physics Reports*, **2016**, 644, 1-76	27.7	177
224	A geometrical approach to control and controllability of nonlinear dynamical networks. *Nature Communications*, **2016**, 7, 11323	17.4	73
223	Experimental validation of wireless communication with chaos. *Chaos*, **2016**, 26, 083117	3.3	38
222	Gaussian orthogonal ensemble statistics in graphene billiards with the shape of classically integrable billiards. *Physical Review E*, **2016**, 94, 062214	2.4	11
221	Transient chaos - a resolution of breakdown of quantum-classical correspondence in optomechanics. *Scientific Reports*, **2016**, 6, 35381	4.9	15
220	Control and prediction for blackouts caused by frequency collapse in smart grids. *Chaos*, **2016**, 26, 093118	3.3	17
219	Superpersistent currents and whispering gallery modes in relativistic quantum chaotic systems. *Scientific Reports*, **2015**, 5, 8963	4.9	15
218	Community control in cellular protein production: consequences for amino acid starvation. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	1
217	One node driving synchronisation. *Scientific Reports*, **2015**, 5, 18091	4.9	3
216	Conductance fluctuations in chaotic bilayer graphene quantum dots. *Physical Review E*, **2015**, 92, 012918	2.4	8
215	Approximate solution for frequency synchronization in a finite-size Kuramoto model. *Physical Review E*, **2015**, 92, 062808	2.4	4
214	Granger causal time-dependent source connectivity in the somatosensory network. *Scientific Reports*, **2015**, 5, 10399	4.9	26
213	Emergence of multicluster chimera states. *Scientific Reports*, **2015**, 5, 12988	4.9	22
212	Universal formalism of Fano resonance. *AIP Advances*, **2015**, 5, 017137	1.5	23
211	Integrative Model of Oxidative Stress Adaptation in the Fungal Pathogen Candida albicans. *PLoS ONE*, **2015**, 10, e0137750	3.7	40
210	Optimized spectral estimation for nonlinear synchronizing systems. *Physical Review E*, **2014**, 89, 032912	2.4	2
209	Diffusion in randomly perturbed dissipative dynamics. *Europhysics Letters*, **2014**, 108, 40002	1.6	4
208	Mechanisms underlying the exquisite sensitivity of Candida albicans to combinatorial cationic and oxidative stress that enhances the potent fungicidal activity of phagocytes. *MBio*, **2014**, 5, e01334-14	7.8	57

207	Level spacing statistics for two-dimensional massless Dirac billiards. *Chinese Physics B*, **2014**, 23, 070507	1.2	7
206	Quantum manifestation of a synchronization transition in optomechanical systems. *Physical Review A*, **2014**, 90,	2.6	38
205	Overarching framework for data-based modelling. *Europhysics Letters*, **2014**, 105, 30004	1.6	11
204	Resiliently evolving supply-demand networks. *Physical Review E*, **2014**, 89, 012801	2.4	14
203	Nonlinear dynamics and quantum entanglement in optomechanical systems. *Physical Review Letters* , **2014**, 112, 110406	7.4	71
202	Wireless communication with chaos. *Physical Review Letters*, **2013**, 110, 184101	7.4	87
201	Quantum chaotic scattering in graphene systems in the absence of invariant classical dynamics. *Physical Review E*, **2013**, 87, 052908	2.4	9
200	Natural synchronization in power-grids with anti-correlated units. *Communications in Nonlinear Science and Numerical Simulation*, **2013**, 18, 1035-1046	3.7	36
199	Harnessing quantum transport by transient chaos. *Chaos*, **2013**, 23, 013125	3.3	20
198	Structure and function in flow networks. *Europhysics Letters*, **2013**, 101, 68001	1.6	11
197	Chiral scars in chaotic Dirac fermion systems. *Physical Review Letters*, **2013**, 110, 064102	7.4	32
196	From START to FINISH: the influence of osmotic stress on the cell cycle. *PLoS ONE*, **2013**, 8, e68067	3.7	23
195	Inference of Granger causal time-dependent influences in noisy multivariate time series. *Journal of Neuroscience Methods*, **2012**, 203, 173-85	3	52
194	Optimality in DNA repair. *Journal of Theoretical Biology*, **2012**, 292, 39-43	2.3	2
193	A syringe-focused ultrasound device for simultaneous injection of DNA and gene transfer. *Journal of Gene Medicine*, **2012**, 14, 54-61	3.5	4
192	Mutual information rate and bounds for it. *PLoS ONE*, **2012**, 7, e46745	3.7	18
191	Combinatorial stresses kill pathogenic Candida species. *Medical Mycology*, **2012**, 50, 699-709	3.9	67
190	Are the fractal skeletons the explanation for the narrowing of arteries due to cell trapping in a disturbed blood flow?. *Computers in Biology and Medicine*, **2012**, 42, 276-81	7	9

189	Collective almost synchronisation in complex networks. *PLoS ONE*, **2012**, 7, e48118	3.7	11
188	Dynamical collapse of trajectories. *Europhysics Letters*, **2012**, 98, 20001	1.6	1
187	Conductance fluctuations in graphene systems: The relevance of classical dynamics. *Physical Review B*, **2012**, 85,	3.3	16
186	THE EMERGENCE AND EVOLUTION OF COOPERATION ON COMPLEX NETWORKS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250228	2	2
185	UNCOVERING MISSING SYMBOLS IN COMMUNICATION WITH FILTERED CHAOTIC SIGNALS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250199	2	8
184	A matter of life or death: modeling DNA damage and repair in bacteria. *Biophysical Journal*, **2011**, 100, 814-21	2.9	12
183	Quantum chaotic scattering in graphene systems. *Europhysics Letters*, **2011**, 94, 40004	1.6	37
182	Nonlinear Dynamics: A Brief Introduction **2011**, 331-338		
181	Predicting catastrophes in nonlinear dynamical systems by compressive sensing. *Physical Review Letters*, **2011**, 106, 154101	7.4	202
180	Network Reconstruction Based on Evolutionary-Game Data via Compressive Sensing. *Physical Review X*, **2011**, 1,	9.1	74
179	Abnormal electron paths induced by Klein tunneling in graphene quantum point contacts. *Physical Review B*, **2011**, 84,	3.3	14
178	Extensively chaotic motion in electrostatically driven nanowires and applications. *Nano Letters*, **2010**, 10, 406-13	11.5	33
177	Queueing phase transition: theory of translation. *Physical Review Letters*, **2009**, 102, 198104	7.4	43
176	Crisis-induced unstable dimension variability in a dynamical system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 5569-5574	2.3	10
175	The limit case response of the archetypal oscillator for smooth and discontinuous dynamics. *International Journal of Non-Linear Mechanics*, **2008**, 43, 462-473	2.8	70
174	Dynamically multilayered visual system of the multifractal fly. *Physical Review Letters*, **2006**, 97, 178102	7.4	8
173	Chemical and biological activity in open flows: A dynamical system approach. *Physics Reports*, **2005**, 413, 91-196	27.7	161
172	Simulating a chaotic process. *Brazilian Journal of Physics*, **2005**, 35, 139-147	1.2	2

171	Stability properties of nonhyperbolic chaotic attractors with respect to noise. *Physical Review Letters*, **2004**, 93, 250603	7.4	8
170	Reactive particles in random flows. *Physical Review Letters*, **2004**, 92, 174101	7.4	21
169	Escaping from nonhyperbolic chaotic attractors. *Physical Review Letters*, **2004**, 92, 234101	7.4	18
168	Basins of Attraction of Periodic Oscillations in Suspension Bridges. *Nonlinear Dynamics*, **2004**, 37, 207-226		17
167	Unstable dimension variability and codimension-one bifurcations of two-dimensional maps. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2004**, 321, 244-251	2.3	3
166	MULTISTABILITY, BASIN BOUNDARY STRUCTURE, AND CHAOTIC BEHAVIOR IN A SUSPENSION BRIDGE MODEL. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 927-950	2	29
165	Topology of Windows in the High-Dimensional Parameter Space of Chaotic Maps. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2003**, 13, 2681-2688	2	12
164	Bubbling and riddling of higher-dimensional attractors. *Chaos, Solitons and Fractals*, **2003**, 17, 61-66	9.3	9
163	Erosion of the safe basin for the transversal oscillations of a suspension bridge. *Chaos, Solitons and Fractals*, **2003**, 18, 829-841	9.3	28
162	Communication-Based on Topology Preservation of Chaotic Dynamics. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2003**, 13, 2551-2560	2	6
161	Why are chaotic attractors rare in multistable systems?. *Physical Review Letters*, **2003**, 91, 134102	7.4	44
160	Shadowability of Chaotic Dynamical Systems. *Handbook of Dynamical Systems*, **2002**, 2, 313-344		2
159	Dynamics of a H□on□ozi-type map. *Chaos, Solitons and Fractals*, **2001**, 12, 2323-2341	9.3	30
158	RIDDLED BASINS AND UNSTABLE DIMENSION VARIABILITY IN CHAOTIC SYSTEMS WITH AND WITHOUT SYMMETRY. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2001**, 11, 2689-2698	2	11
157	RECONSTRUCTION OF INFORMATION-BEARING CHAOTIC SIGNALS IN ADDITIVE WHITE GAUSSIAN NOISE: PERFORMANCE ANALYSIS AND EVALUATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2001**, 11, 2631-2635	2	4
156	Output functions and fractal dimensions in dynamical systems. *Physical Review Letters*, **2001**, 86, 2778-81	7.4	6
155	OBSTRUCTION TO DETERMINISTIC MODELING OF CHAOTIC SYSTEMS WITH AN INVARIANT SUBSPACE. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2000**, 10, 683-693	2	9
154	FEEDBACK SYNCHRONIZATION USING POLE-PLACEMENT CONTROL. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2000**, 10, 2611-2617	2	1

153	Communication through chaotic modeling of languages. *Physical Review E*, **2000**, 61, 3590-600	2.4	14
152	Unstable dimension variability and synchronization of chaotic systems. *Physical Review E*, **2000**, 62, 462-8	2.4	29
151	Topological scaling and gap filling at crisis. *Physical Review E*, **2000**, 61, 5019-32	2.4	27
150	Exploiting the natural redundancy of chaotic signals in communication systems. *Physical Review Letters*, **2000**, 85, 2629-32	7.4	15
149	Lai and grebogi reply:. *Physical Review Letters*, **2000**, 85, 473	7.4	3
148	Topology of high-dimensional chaotic scattering. *Physical Review E*, **2000**, 62, 6421-8	2.4	19
147	Integrated chaotic communication scheme. *Physical Review E*, **2000**, 62, 4835-45	2.4	28
146	COLOR MAP OF LYAPUNOV EXPONENTS OF INVARIANT SETS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **1999**, 09, 1459-1463	2	7
145	Preference of attractors in noisy multistable systems. *Physical Review E*, **1999**, 59, 5253-60	2.4	100
144	Universal behavior in the parametric evolution of chaotic saddles. *Physical Review E*, **1999**, 59, 5261-5	2.4	11
143	Modeling of deterministic chaotic systems. *Physical Review E*, **1999**, 59, 2907-2910	2.4	45
142	Driving trajectories in complex systems. *Physical Review E*, **1999**, 59, 4062-4070	2.4	16
141	Unstable dimension variability in coupled chaotic systems. *Physical Review E*, **1999**, 60, 5445-54	2.4	24
140	Riddling of Chaotic Sets in Periodic Windows. *Physical Review Letters*, **1999**, 83, 2926-2929	7.4	22
139	Modeling of Coupled Chaotic Oscillators. *Physical Review Letters*, **1999**, 82, 4803-4806	7.4	48
138	Border collision bifurcations in two-dimensional piecewise smooth maps. *Physical Review E*, **1999**, 59, 4052-4061	2.4	195
137	Chemical or biological activity in open chaotic flows. *Physical Review E*, **1999**, 59, 5468-81	2.4	47
136	Communicating with chaos using two-dimensional symbolic dynamics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1999**, 255, 75-81	2.3	37

135	Metamorphosis of chaotic saddle. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1999**, 259, 445-450	2.3	11
134	Bifurcation rigidity. *Physica D: Nonlinear Phenomena*, **1999**, 129, 35-56	3.3	34
133	Tracer dynamics in a flow of driven vortices. *Physical Review E*, **1999**, 59, 1605-1614	2.4	11
132	Length Scales of Clustering in Granular Gases. *Physical Review Letters*, **1999**, 82, 4819-4822	7.4	13
131	Dynamical properties of a simple mechanical system with a large number of coexisting periodic attractors. *Chaos, Solitons and Fractals*, **1998**, 9, 171-180	9.3	36
130	Basin bifurcation in quasiperiodically forced systems. *Physical Review E*, **1998**, 58, 3060-3066	2.4	21
129	Robust Chaos. *Physical Review Letters*, **1998**, 80, 3049-3052	7.4	210
128	Advection of Active Particles in Open Chaotic Flows. *Physical Review Letters*, **1998**, 80, 500-503	7.4	90
127	Coding, Channel Capacity, and Noise Resistance in Communicating with Chaos. *Physical Review Letters*, **1997**, 79, 3787-3790	7.4	85
126	From High Dimensional Chaos to Stable Periodic Orbits: The Structure of Parameter Space. *Physical Review Letters*, **1997**, 78, 4561-4564	7.4	82
125	Characterization of the Natural Measure by Unstable Periodic Orbits in Chaotic Attractors. *Physical Review Letters*, **1997**, 79, 649-652	7.4	57
124	Extracting unstable periodic orbits from chaotic time series data. *Physical Review E*, **1997**, 55, 5398-5417	2.4	92
123	Multistability and the control of complexity. *Chaos*, **1997**, 7, 597-604	3.3	122
122	How Long Do Numerical Chaotic Solutions Remain Valid?. *Physical Review Letters*, **1997**, 79, 59-62	7.4	131
121	Noise Filtering in Communication with Chaos. *Physical Review Letters*, **1997**, 78, 1247-1250	7.4	72
120	Unstable dimension variability: A source of nonhyperbolicity in chaotic systems. *Physica D: Nonlinear Phenomena*, **1997**, 109, 81-90	3.3	84
119	Computing the measure of nonattracting chaotic sets. *Physica D: Nonlinear Phenomena*, **1997**, 108, 1-11	3.3	12
118	Phase-locking in quasiperiodically forced systems. *Physics Reports*, **1997**, 290, 11-25	27.7	27

117	Controlling chaotic dynamical systems. *Systems and Control Letters*, **1997**, 31, 307-312	2.4	48
116	Control and applications of chaos. *Journal of the Franklin Institute*, **1997**, 334, 1115-1146	4	12
115	Detecting unstable periodic orbits in chaotic experimental data. *Physical Review Letters*, **1996**, 76, 4705-4708	7.4	130
114	Riddling Bifurcation in Chaotic Dynamical Systems. *Physical Review Letters*, **1996**, 77, 55-58	7.4	165
113	Universal grazing bifurcations in impact oscillators. *Physical Review E*, **1996**, 53, 134-139	2.4	20
112	Map with more than 100 coexisting low-period periodic attractors. *Physical Review E*, **1996**, 54, 71-81	2.4	125
111	Noise-Induced Riddling in Chaotic Systems. *Physical Review Letters*, **1996**, 77, 5047-5050	7.4	56
110	Scaling behavior of transition to chaos in quasiperiodically driven dynamical systems. *Physical Review E*, **1996**, 54, 6070-6073	2.4	31
109	Complexity in Hamiltonian-driven dissipative chaotic dynamical systems. *Physical Review E*, **1996**, 54, 4667-4675	2.4	14
108	Characterizing riddled fractal sets. *Physical Review E*, **1996**, 53, 1371-1374	2.4	17
107	Critical Exponent for Gap Filling at Crisis. *Physical Review Letters*, **1996**, 77, 3102-3105	7.4	29
106	Universal behavior of impact oscillators near grazing incidence. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1995**, 201, 197-204	2.3	72
105	Intermingled basins and two-state on-off intermittency. *Physical Review E*, **1995**, 52, R3313-R3316	2.4	118
104	Controlling complexity. *Physical Review Letters*, **1995**, 75, 4023-4026	7.4	72
103	Self-organization and chaos in a fluidized bed. *Physical Review Letters*, **1995**, 75, 2308-2311	7.4	88
102	Double crises in two-parameter dynamical systems. *Physical Review Letters*, **1995**, 75, 2478-2481	7.4	39
101	Multiparameter control of chaos. *Physical Review E*, **1995**, 52, 3553-3557	2.4	20
100	Fractal boundaries in open hydrodynamical flows: Signatures of chaotic saddles. *Physical Review E*, **1995**, 51, 4076-4088	2.4	71

99	Efficient switching between controlled unstable periodic orbits in higher dimensional chaotic systems. *Physical Review E*, **1995**, 51, 4169-4172	2.4	25
98	Predictability in time series. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1995**, 209, 327-332	2.3	9
97	Synchronization of spatiotemporal chaotic systems by feedback control. *Physical Review E*, **1994**, 50, 1894-1899	2.4	22
96	Grazing bifurcations in impact oscillators. *Physical Review E*, **1994**, 50, 4427-4444	2.4	211
95	Obstructions to shadowing when a Lyapunov exponent fluctuates about zero. *Physical Review Letters*, **1994**, 73, 1927-1930	7.4	133
94	Crisis and enhancement of chaotic scattering. *Physical Review E*, **1994**, 49, 3761-3770	2.4	20
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