

Miguel A F Sanjun

List of Publications by Citations

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

282
papers

4,668
citations

34
h-index

55
g-index

321
ext. papers

5,255
ext. citations

3.2
avg, IF

6.01
L-index

#	Paper	IF	Citations
282	Fractal structures in nonlinear dynamics. <i>Reviews of Modern Physics</i> , 2009 , 81, 333-386	40.5	241
281	Map-based models in neuronal dynamics. <i>Physics Reports</i> , 2011 , 501, 1-74	27.7	179
280	Wada basins and chaotic invariant sets in the Hénon-Heiles system. <i>Physical Review E</i> , 2001 , 64, 066208	2.4	177
279	True and false forbidden patterns in deterministic and random dynamics. <i>Europhysics Letters</i> , 2007 , 79, 50001	1.6	128
278	Experimental evidence, numerics, and theory of vibrational resonance in bistable systems. <i>Physical Review E</i> , 2003 , 67, 066119	2.4	128
277	Basin entropy: a new tool to analyze uncertainty in dynamical systems. <i>Scientific Reports</i> , 2016 , 6, 31416	4.9	101
276	Vibrational resonance in a noise-induced structure. <i>Physical Review E</i> , 2002 , 66, 011106	2.4	82
275	Combinatorial detection of determinism in noisy time series. <i>Europhysics Letters</i> , 2008 , 83, 60005	1.6	79
274	Theory and numerics of vibrational resonance in Duffing oscillators with time-delayed feedback. <i>Physical Review E</i> , 2011 , 83, 066205	2.4	74
273	Single and multiple vibrational resonance in a quintic oscillator with monostable potentials. <i>Physical Review E</i> , 2009 , 80, 046608	2.4	71
272	New developments in classical chaotic scattering. <i>Reports on Progress in Physics</i> , 2013 , 76, 016001	14.4	68
271	Unpredictable behavior in the Duffing oscillator: Wada basins. <i>Physica D: Nonlinear Phenomena</i> , 2002 , 171, 41-51	3.3	67
270	Synchronization and propagation of bursts in networks of coupled map neurons. <i>Chaos</i> , 2006 , 16, 013113	3.3	65
269	Nonlinear Resonances. <i>Springer Series in Synergetics</i> , 2016 ,	0.4	62
268	Analysis of vibrational resonance in a quintic oscillator. <i>Chaos</i> , 2009 , 19, 043128	3.3	58
267	Stochastic P-bifurcation and stochastic resonance in a noisy bistable fractional-order system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 41, 104-117	3.7	58
266	Basin topology in dissipative chaotic scattering. <i>Chaos</i> , 2006 , 16, 023101	3.3	56

265	Novel vibrational resonance in multistable systems. <i>Chaos</i> , 2011 , 21, 033106	3-3	54
264	Limit of small exits in open Hamiltonian systems. <i>Physical Review E</i> , 2003 , 67, 056201	2-4	53
263	Exponential decay and scaling laws in noisy chaotic scattering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 110-116	2-3	51
262	Fractal dimension in dissipative chaotic scattering. <i>Physical Review E</i> , 2007 , 76, 016208	2-4	51
261	Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. <i>Physics of Plasmas</i> , 2002 , 9, 4917-4928	2-1	48
260	Bursting regimes in map-based neuron models coupled through fast threshold modulation. <i>Physical Review E</i> , 2008 , 77, 051918	2-4	47
259	Symmetry-breaking analysis for the general Helmholtz-Duffing oscillator. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 197-212	9-3	45
258	ANALYTICAL ESTIMATES OF THE EFFECT OF NONLINEAR DAMPING IN SOME NONLINEAR OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000 , 10, 2257-2267	2	45
257	Vibrational resonance in biological nonlinear maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3435-3445	3-7	41
256	TO ESCAPE OR NOT TO ESCAPE, THAT IS THE QUESTION (PERTURBING THE HOMOCLINIC LINES OF A HAMILTONIAN). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1230010	2	41
255	Vibrational resonance in a time-delayed genetic toggle switch. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 411-416	3-7	40
254	VIBRATIONAL RESONANCE IN AN ASYMMETRIC DUFFING OSCILLATOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 275-286	2	40
253	THE EFFECT OF NONLINEAR DAMPING ON THE UNIVERSAL ESCAPE OSCILLATOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999 , 09, 735-744	2	40
252	Sparse repulsive coupling enhances synchronization in complex networks. <i>Physical Review E</i> , 2006 , 74, 056112	2-4	39
251	Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 371-95	3	38
250	Effect of noise on chaotic scattering. <i>Physical Review E</i> , 2009 , 79, 047202	2-4	36
249	Defining strategies to win in the Internet market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 301, 512-534	3-3	34
248	A generalized perturbed pendulum. <i>Chaos, Solitons and Fractals</i> , 2003 , 15, 911-924	9-3	32

247	Effects of the spike timing-dependent plasticity on the synchronisation in a random Hodgkin-Huxley neuronal network. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 34, 12-22	3.7	31
246	Testing for Basins of Wada. <i>Scientific Reports</i> , 2015 , 5, 16579	4.9	31
245	A validated mathematical model of tumor growth including tumor-host interaction, cell-mediated immune response and chemotherapy. <i>Bulletin of Mathematical Biology</i> , 2014 , 76, 2884-906	2.1	31
244	Detecting the weak high-frequency character signal by vibrational resonance in the Duffing oscillator. <i>Nonlinear Dynamics</i> , 2017 , 89, 2621-2628	5	30
243	Ghost-vibrational resonance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 4003-4012	3.7	29
242	Effect of nonlinear dissipation on the basin boundaries of a driven two-well Rayleigh-Duffing oscillator. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 1092-1099	9.3	28
241	Indecomposable continua in dynamical systems with noise: Fluid flow past an array of cylinders. <i>Chaos</i> , 1997 , 7, 125-138	3.3	28
240	Integrability and symmetries for the Helmholtz oscillator with friction. <i>Journal of Physics A</i> , 2003 , 36, 695-710		28
239	Indecomposable Continua and the Characterization of Strange Sets in Nonlinear Dynamics. <i>Physical Review Letters</i> , 1997 , 78, 1892-1895	7.4	27
238	Using nonharmonic forcing to switch the periodicity in nonlinear systems. <i>Physical Review E</i> , 1998 , 58, 4377-4382	2.4	27
237	Chaotic dynamics and fractal structures in experiments with cold atoms. <i>Physical Review A</i> , 2017 , 95,	2.6	26
236	ESCAPING DYNAMICS IN THE PRESENCE OF DISSIPATION AND NOISE IN SCATTERING SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 2783-2793	2	26
235	Isochronous synchronization in mutually coupled chaotic circuits. <i>Chaos</i> , 2007 , 17, 023128	3.3	26
234	Relation between structure and size in social networks. <i>Physical Review E</i> , 2002 , 65, 036107	2.4	26
233	Vibrational subharmonic and superharmonic resonances. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 30, 362-372	3.7	25
232	Bursting frequency versus phase synchronization in time-delayed neuron networks. <i>Physical Review E</i> , 2013 , 87, 052903	2.4	25
231	DETECTING DETERMINISM IN TIME SERIES WITH ORDINAL PATTERNS: A COMPARATIVE STUDY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 2915-2924	2	25
230	Avoiding escapes in open dynamical systems using phase control. <i>Physical Review E</i> , 2008 , 78, 016205	2.4	25

229	Energy dissipation in a nonlinearly damped Duffing oscillator. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 159, 22-34	3.3	25
228	On the occurrence of chaos in a parametrically driven extended Rayleigh oscillator with three-well potential. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 772-782	9.3	24
227	FRACTAL AND WADA EXIT BASIN BOUNDARIES IN TOKAMAKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 4067-4079	2	24
226	Multiple resonance and anti-resonance in coupled Duffing oscillators. <i>Nonlinear Dynamics</i> , 2016 , 83, 1803-1814	2.3	23
225	Effect of multiple time-delay on vibrational resonance. <i>Chaos</i> , 2013 , 23, 013136	3.3	23
224	Patterns in inhibitory networks of simple map neurons. <i>Physical Review E</i> , 2007 , 75, 041911	2.4	23
223	Vibrational resonance in groundwater-dependent plant ecosystems. <i>Ecological Complexity</i> , 2013 , 15, 33-42	2.6	22
222	Hierarchical social networks and information flow. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 316, 695-708	3.3	22
221	Recovering an unknown signal completely submerged in strong noise by a new stochastic resonance method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 66, 156-166	3.7	21
220	Finding safety in partially controllable chaotic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4274-4280	3.7	21
219	EXPERIMENTAL EVIDENCE FOR VIBRATIONAL RESONANCE AND ENHANCED SIGNAL TRANSMISSION IN CHUA'S CIRCUIT. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350189	2	21
218	Role of depth and location of minima of a double-well potential on vibrational resonance. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 465101	2	21
217	Dynamics of partial control. <i>Chaos</i> , 2012 , 22, 047507	3.3	21
216	Partial control of chaotic systems. <i>Physical Review E</i> , 2008 , 77, 055201	2.4	21
215	Numerical and experimental exploration of phase control of chaos. <i>Chaos</i> , 2006 , 16, 013111	3.3	21
214	Wada Basins and Unpredictability in Hamiltonian and Dissipative Systems. <i>International Journal of Modern Physics B</i> , 2003 , 17, 4171-4175	1.1	21
213	Effect of noise on the reinjection probability density in intermittency. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3587-3596	3.7	20
212	Phase control of excitable systems. <i>New Journal of Physics</i> , 2008 , 10, 073030	2.9	20

211	Chaos-induced resonant effects and its control. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 428-432	2.3	20
210	Characterization of the local instability in the Hénon-Heiles Hamiltonian. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 311, 26-38	2.3	20
209	Crisis-induced intermittency in two coupled chaotic maps: towards understanding chaotic itinerancy. <i>Physical Review E</i> , 2005 , 71, 016219	2.4	20
208	Vibrational resonance in the Morse oscillator 2013 , 81, 127-141		19
207	Noise-induced resonance at the subharmonic frequency in bistable systems. <i>Nonlinear Dynamics</i> , 2017 , 87, 1721-1730	5	19
206	Exploring partial control of chaotic systems. <i>Physical Review E</i> , 2009 , 79, 026217	2.4	19
205	Experimental demonstration of bidirectional chaotic communication by means of isochronal synchronization. <i>Europhysics Letters</i> , 2008 , 81, 40005	1.6	19
204	A mechanism for elliptic-like bursting and synchronization of bursts in a map-based neuron network. <i>Cognitive Processing</i> , 2009 , 10 Suppl 1, S23-31	1.5	18
203	Analysis of the noise-induced bursting-spiking transition in a pancreatic beta-cell model. <i>Physical Review E</i> , 2004 , 69, 041910	2.4	18
202	Controlling chaotic transients: Yorke's game of survival. <i>Physical Review E</i> , 2004 , 69, 016203	2.4	18
201	Partially controlling transient chaos in the Lorenz equations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	17
200	Bifurcation and resonance in a fractional Mathieu-Duffing oscillator. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	17
199	Avoiding healthy cells extinction in a cancer model. <i>Journal of Theoretical Biology</i> , 2014 , 349, 74-81	2.3	17
198	Turbo-like structures for chaos encoding and decoding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 597-601	6.9	17
197	Chaos-Coded Modulations Over Rician and Rayleigh Flat Fading Channels. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 581-585	3.5	16
196	The network of scientific collaborations within the European framework programme. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 384, 675-683	3.3	16
195	Synchronization of electronic genetic networks. <i>Chaos</i> , 2006 , 16, 013127	3.3	16
194	Opening a closed Hamiltonian map. <i>Chaos</i> , 2003 , 13, 17-24	3.3	16

193	Vibrational resonance in a harmonically trapped potential system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 47, 370-378	3.7	15
192	Predictability of orbits in coupled systems through finite-time Lyapunov exponents. <i>New Journal of Physics</i> , 2013 , 15, 113064	2.9	15
191	Local predictability and nonhyperbolicity through finite Lyapunov exponent distributions in two-degrees-of-freedom Hamiltonian systems. <i>Physical Review E</i> , 2008 , 78, 066204	2.4	15
190	Chaos-Based Turbo Systems in Fading Channels. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 530-541	3.9	14
189	When less is more: Partial control to avoid extinction of predators in an ecological model. <i>Ecological Complexity</i> , 2014 , 19, 1-8	2.6	14
188	Weakly noisy chaotic scattering. <i>Physical Review E</i> , 2013 , 88, 032914	2.4	14
187	Wada property in systems with delay. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 43, 220-226	3.7	14
186	Frequency dispersion in the time-delayed Kuramoto model. <i>Physical Review E</i> , 2014 , 89, 032905	2.4	14
185	Synchronization of uncoupled excitable systems induced by white and coloured noise. <i>New Journal of Physics</i> , 2010 , 12, 053040	2.9	14
184	Partial control of chaotic transients using escape times. <i>New Journal of Physics</i> , 2010 , 12, 113038	2.9	14
183	BUILDING ELECTRONIC BURSTERS WITH THE MORRIS-LECAR NEURON MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 3617-3630	2	14
182	Self-similarity and adaptive aperiodic stochastic resonance in a fractional-order system. <i>Nonlinear Dynamics</i> , 2018 , 91, 1697-1711	5	14
181	Enhancing the Weak Signal With Arbitrary High-Frequency by Vibrational Resonance in Fractional-Order Duffing Oscillators. <i>Journal of Computational and Nonlinear Dynamics</i> , 2017 , 12,	1.4	13
180	Uncertainty dimension and basin entropy in relativistic chaotic scattering. <i>Physical Review E</i> , 2018 , 97, 042214	2.4	13
179	Ascertaining when a basin is Wada: the merging method. <i>Scientific Reports</i> , 2018 , 8, 9954	4.9	13
178	Controlling unpredictability in the randomly driven Hénon-Heiles system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 3449-3457	3.7	13
177	Improving the Performance of Chaos-Based Modulations Via Serial Concatenation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 448-459	3.9	13
176	Applicability of time-average moiré techniques for chaotic oscillations. <i>Physical Review E</i> , 2007 , 76, 036208.	2.4	13

175	Sensitivity versus resonance in two-dimensional spiking-bursting neuron models. <i>Physical Review E</i> , 2007 , 75, 041902	2.4	13
174	WINNERLESS COMPETITION IN NETWORKS OF COUPLED MAP NEURONS. <i>Modern Physics Letters B</i> , 2004 , 18, 1347-1366	1.6	13
173	Liřard systems, limit cycles, and Melnikov theory. <i>Physical Review E</i> , 1998 , 57, 340-344	2.4	13
172	The topology of fluid flow past a sequence of cylinders. <i>Topology and Its Applications</i> , 1999 , 94, 207-242	0.4	13
171	Energy Harvesting Enhancement by Vibrational Resonance. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1430019	2	12
170	Permutation complexity of spatiotemporal dynamics. <i>Europhysics Letters</i> , 2010 , 90, 10007	1.6	12
169	Phase control of intermittency in dynamical systems. <i>Physical Review E</i> , 2006 , 74, 016202	2.4	12
168	Intersections of stable and unstable manifolds: the skeleton of Lagrangian chaos. <i>Chaos, Solitons and Fractals</i> , 2005 , 24, 947-956	9.3	12
167	Remarks on transitions order-chaos induced by the shape of the periodic excitation in a parametric pendulum. <i>Chaos, Solitons and Fractals</i> , 1996 , 7, 435-440	9.3	12
166	Dynamics of the cell-mediated immune response to tumour growth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	11
165	Predictability of Chaotic Dynamics. <i>Springer Series in Synergetics</i> , 2017 ,	0.4	11
164	Improving the weak aperiodic signal by three kinds of vibrational resonance. <i>Nonlinear Dynamics</i> , 2018 , 91, 2699-2713	5	11
163	Optimizing the Electrical Power in an Energy Harvesting System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550171	2	11
162	Non-smooth transitions in a simple city traffic model analyzed through supertracks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 81-88	3.7	11
161	Complex networks and the WWW market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 324, 754-758	3.3	11
160	Vibrational Resonance in a Duffing System with a Generalized Delayed Feedback. <i>Journal of Applied Nonlinear Dynamics</i> , 2013 , 2, 397-408	2	11
159	Signal generation and enhancement in a delayed system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 22, 1158-1168	3.7	10
158	Pitchfork bifurcation and vibrational resonance in a fractional-order Duffing oscillator 2013 , 81, 943-957		10

157	Subharmonic bifurcations in a pendulum parametrically excited by a non-harmonic perturbation. <i>Chaos, Solitons and Fractals</i> , 1998 , 9, 995-1003	9.3	10
156	On the LFM signal improvement by piecewise vibrational resonance using a new spectral amplification factor. <i>IET Signal Processing</i> , 2019 , 13, 65-69	1.7	10
155	Measuring the transition between nonhyperbolic and hyperbolic regimes in open Hamiltonian systems. <i>Nonlinear Dynamics</i> , 2020 , 99, 3029-3039	5	10
154	Nonlinear cancer chemotherapy: Modelling the Norton-Simon hypothesis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 70, 307-317	3.7	10
153	Global relativistic effects in chaotic scattering. <i>Physical Review E</i> , 2017 , 95, 032205	2.4	9
152	Time-frequency analysis of a new aperiodic resonance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 85, 105258	3.7	9
151	Effects of periodic forcing in chaotic scattering. <i>Physical Review E</i> , 2014 , 89, 042909	2.4	9
150	Destruction of solid tumors by immune cells. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 44, 390-403	3.7	9
149	Bifurcation Transition and Nonlinear Response in a Fractional-Order System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015 , 10,	1.4	9
148	Transport of particles by surface waves: a modification of the classical bouncer model. <i>New Journal of Physics</i> , 2008 , 10, 083017	2.9	9
147	The interplay of universities and industry through the FP5 network. <i>New Journal of Physics</i> , 2007 , 9, 183-183	1.9	9
146	Parametric partial control of chaotic systems. <i>Nonlinear Dynamics</i> , 2016 , 86, 869-876	5	9
145	Delay-Induced Resonance in the Time-Delayed Duffing Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2030007	2	9
144	Wada index based on the weighted and truncated Shannon entropy. <i>Nonlinear Dynamics</i> , 2021 , 104, 739-751	5.1	9
143	Stochastic resonance in overdamped systems with fractional power nonlinearity. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	8
142	NONLINEAR RESPONSE OF THE MASS-SPRING MODEL WITH NONSMOOTH STIFFNESS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250006	2	8
141	Effect of the phase on the dynamics of a perturbed bouncing ball system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3279-3286	3.7	8
140	The efficiency of a random and fast switch in complex dynamical systems. <i>New Journal of Physics</i> , 2012 , 14, 083022	2.9	8

139	Channel coding in communications using chaos. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 295, 185-191	2.3	8
138	Resonant behavior and unpredictability in forced chaotic scattering. <i>Physical Review E</i> , 2018 , 98,	2.4	8
137	Wada structures in a binary black hole system. <i>Physical Review D</i> , 2018 , 98,	4.9	8
136	The dose-dense principle in chemotherapy. <i>Journal of Theoretical Biology</i> , 2017 , 430, 169-176	2.3	7
135	Bifurcation Analysis and Nonlinear Decay of a Tumor in the Presence of an Immune Response. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750223	2	7
134	Competitive decoders for turbo-like chaos-based systems. <i>IET Communications</i> , 2012 , 6, 1278	1.3	7
133	PARTIAL CONTROL OF TRANSIENT CHAOS IN ELECTRONIC CIRCUITS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250032	2	7
132	SYMMETRY-RESTORING CRISES, PERIOD-ADDING AND CHAOTIC TRANSITIONS IN THE CUBIC VAN DER POL OSCILLATOR. <i>Journal of Sound and Vibration</i> , 1996 , 193, 863-875	3.9	7
131	A test for fractal boundaries based on the basin entropy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 95, 105588	3.7	7
130	Low-dimensional paradigms for high-dimensional hetero-chaos. <i>Chaos</i> , 2018 , 28, 103110	3.3	7
129	The forecast of predictability for computed orbits in galactic models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 3797-3811	4.3	6
128	Adaptive piecewise re-scaled stochastic resonance excited by the LFM signal. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	6
127	Saddle-Node Bifurcation and Vibrational Resonance in a Fractional System with an Asymmetric Bistable Potential. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550023	2	6
126	Control of collective network chaos. <i>Chaos</i> , 2014 , 24, 023127	3.3	6
125	Exploiting symbolic dynamics in chaos coded communications with maximum a posteriori algorithm. <i>Electronics Letters</i> , 2006 , 42, 984	1.1	6
124	ITERATIVELY DECODING CHAOS ENCODED BINARY SIGNALS		6
123	Comments on the Hamiltonian formulation for linear and non-linear oscillators including dissipation. <i>Journal of Sound and Vibration</i> , 1995 , 185, 734-735	3.9	6
122	Dissipative hydrodynamic oscillators. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1991 , 13, 913-918		6

121	Decay Dynamics of Tumors. <i>PLoS ONE</i> , 2016 , 11, e0157689	3.7	6
120	Stochastic resonance in dissipative drift motion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 54, 62-69	3.7	5
119	The role of dose density in combination cancer chemotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 79, 104918	3.7	5
118	Predictability of Chaotic Dynamics. <i>Springer Series in Synergetics</i> , 2019 ,	0.4	5
117	Transition of phase locking modes in a minimal neuronal network. <i>Neurocomputing</i> , 2012 , 81, 60-66	5.4	5
116	Vibrational and Ghost-Vibrational Resonances in a Modified Chua's Circuit Model Equation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1430031	2	5
115	How to minimize the control frequency to sustain transient chaos using partial control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 726-737	3.7	5
114	Evaluation of channel coding and decoding algorithms using discrete chaotic maps. <i>Chaos</i> , 2006 , 16, 013103	3.03	5
113	Low-dimensional dynamo modelling and symmetry-breaking bifurcations. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 223, 151-162	3.3	5
112	Coupling scheme for complete synchronization of periodically forced chaotic CO2 lasers. <i>Physical Review E</i> , 2004 , 70, 036208	2.4	5
111	Information flow in generalized hierarchical networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 324, 424-429	3.3	5
110	Basin Entropy, a Measure of Final State Unpredictability and Its Application to the Chaotic Scattering of Cold Atoms. <i>Understanding Complex Systems</i> , 2018 , 9-34	0.4	5
109	Transient chaotic transport in dissipative drift motion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1621-1626	2.3	5
108	How to detect Wada basins. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021 , 26, 717-739	1.3	5
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