

Miguel A F Sanjun

List of Publications by Year in Descending Order

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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	A stochastic hybrid model with a fast concentration bias for chemotactic cellular attraction. <i>Chaos, Solitons and Fractals</i> , 2022 , 156, 111792	9.3	
281	Weak dissipation drives and enhances Wada basins in three-dimensional chaotic scattering. <i>Chaos, Solitons and Fractals</i> , 2022 , 156, 111891	9.3	1
280	Noise activates escapes in closed Hamiltonian systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 105, 106074	3.7	1
279	Vibrational resonance by using a real-time scale transformation method. <i>Physica Scripta</i> , 2022 , 97, 0452076	0.7	
278	Relativistic Chaotic Scattering. <i>Advances in Dynamics, Patterns, Cognition</i> , 2022 , 33-62	0.7	
277	A novel adaptive moving average method for signal denoising in strong noise background. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
276	Classifying basins of attraction using the basin entropy. <i>Chaos, Solitons and Fractals</i> , 2022 , 159, 112112	9.3	1
275	Time-dependent effects hinder cooperation on the public goods game. <i>Chaos, Solitons and Fractals</i> , 2022 , 160, 112206	9.3	1
274	The role of noise in the tumor dynamics under chemotherapy treatment. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	1
273	Forcing the escape: Partial control of escaping orbits from a transient chaotic region. <i>Nonlinear Dynamics</i> , 2021 , 104, 1603-1612	5	
272	The effect of time ordering and concurrency in a mathematical model of chemoradiotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 96, 105693	3.7	2
271	Improvement in the stochastic resonance in the Duffing oscillator subjected to a Poisson white noise excitation. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	1
270	Adaptive denoising for strong noisy images by using positive effects of noise. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	3
269	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
268	How to detect Wada basins. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021 , 26, 717-739	1.3	5
267	Transient chaos in time-delayed systems subjected to parameter drift. <i>Journal of Physics Complexity</i> , 2021 , 2, 025001	1.8	2
266	Transient Dynamics of the Lorenz System with a Parameter Drift. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150029	2	1

265	Wada index based on the weighted and truncated Shannon entropy. <i>Nonlinear Dynamics</i> , 2021 , 104, 739-751	9	9
264	Artificial Intelligence, Chaos, Prediction and Understanding in Science. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150173	2	1
263	Final state sensitivity in noisy chaotic scattering. <i>Chaos, Solitons and Fractals</i> , 2021 , 150, 111181	9.3	3
262	Trapping enhanced by noise in nonhyperbolic and hyperbolic chaotic scattering. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 102, 105905	3.7	2
261	Stochastic resetting in the Kramers problem: A Monte Carlo approach. <i>Chaos, Solitons and Fractals</i> , 2021 , 152, 111342	9.3	2
260	Ergodic decay laws in Newtonian and relativistic chaotic scattering. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 103, 105987	3.7	1
259	Delay-induced resonance suppresses damping-induced unpredictability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200232	3	4
258	Controlling Infectious Diseases: The Decisive Phase Effect on a Seasonal Vaccination Strategy. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31,	2	1
257	Effects of Different Fast Periodic Excitations on the Pitchfork Bifurcation and Vibrational Resonance. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050092	2	3
256	Transient chaos under coordinate transformations in relativistic systems. <i>Physical Review E</i> , 2020 , 101, 062212	2.4	1
255	Adaptive piecewise re-scaled stochastic resonance excited by the LFM signal. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	6
254	Stochastic resonance induced by an unknown linear frequency modulated signal in a strong noise background. <i>Chaos</i> , 2020 , 30, 043128	3.3	3
253	Time-frequency analysis of a new aperiodic resonance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 85, 105258	3.7	9
252	The saddle-straddle method to test for Wada basins. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 84, 105167	3.7	4
251	Measuring the transition between nonhyperbolic and hyperbolic regimes in open Hamiltonian systems. <i>Nonlinear Dynamics</i> , 2020 , 99, 3029-3039	5	10
250	Tumor Stabilization Induced by T-Cell Recruitment Fluctuations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050179	2	2
249	Influence of the gravitational radius on asymptotic behavior of the relativistic Sitnikov problem. <i>Physical Review E</i> , 2020 , 102, 042204	2.4	3
248	Corrigendum to [The saddle-straddle method to test for Wada basins][Commun. Nonlinear Sci. Numer. Simulat. 84 (2020) 105167]. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 90, 105334	3.7	

247	Fractional damping enhances chaos in the nonlinear Helmholtz oscillator. <i>Nonlinear Dynamics</i> , 2020 , 102, 2323-2337	5	2
246	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
245	A new approach of the partial control method in chaotic systems. <i>Nonlinear Dynamics</i> , 2019 , 98, 873-887	5	3
244	Fourier analysis of a delayed Rulkov neuron network. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 75, 62-75	3.7	2
243	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
242	Amplification of the LFM signal by using piecewise vibrational methods. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 141-150	2	4
241	Preface to the Special Issue: Nonlinear systems theory and applications in engineering, control and life sciences. <i>Nonlinear Dynamics</i> , 2019 , 97, 1783-1784	5	1
240	The role of dose density in combination cancer chemotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 79, 104918	3.7	5
239	Predictability of Chaotic Dynamics. <i>Springer Series in Synergetics</i> , 2019 ,	0.4	5
238	Predictability. <i>Springer Series in Synergetics</i> , 2019 , 101-129	0.4	
237	Lyapunov Exponents. <i>Springer Series in Synergetics</i> , 2019 , 33-69	0.4	
236	A Detailed Example: Galactic Dynamics. <i>Springer Series in Synergetics</i> , 2019 , 151-188	0.4	
235	Modelling Cancer Dynamics Using Cellular Automata. <i>STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health</i> , 2019 , 159-205	0.2	0
234	Dynamical Regimes and Timescales. <i>Springer Series in Synergetics</i> , 2019 , 71-99	0.4	
233	Forecasting and Chaos. <i>Springer Series in Synergetics</i> , 2019 , 1-31	0.4	
232	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
231	Nonlinear cancer chemotherapy: Modelling the Norton-Simon hypothesis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 70, 307-317	3.7	10
230	Uncertainty dimension and basin entropy in relativistic chaotic scattering. <i>Physical Review E</i> , 2018 , 97, 042214	2.4	13

229	Partial control of delay-coordinate maps. <i>Nonlinear Dynamics</i> , 2018 , 92, 1419-1429	5	1
228	Bogdanov-Takens resonance in time-delayed systems. <i>Nonlinear Dynamics</i> , 2018 , 91, 1939-1947	5	3
227	Improving the weak aperiodic signal by three kinds of vibrational resonance. <i>Nonlinear Dynamics</i> , 2018 , 91, 2699-2713	5	11
226	Stochastic resonance in dissipative drift motion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 54, 62-69	3-7	5
225	Supply based on demand dynamical model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 57, 402-414	3-7	3
224	From local uncertainty to global predictions: Making predictions on fractal basins. <i>PLoS ONE</i> , 2018 , 13, e0194926	3-7	3
223	Vibrational Resonance in an Overdamped System with a Fractional Order Potential Nonlinearity. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850082	2	4
222	Ascertaining when a basin is Wada: the merging method. <i>Scientific Reports</i> , 2018 , 8, 9954	4-9	13
221	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
220	Self-similarity and adaptive aperiodic stochastic resonance in a fractional-order system. <i>Nonlinear Dynamics</i> , 2018 , 91, 1697-1711	5	14
219	Computing Complex Horseshoes by Means of Piecewise Maps. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1830039	2	1
218	Resonant behavior and unpredictability in forced chaotic scattering. <i>Physical Review E</i> , 2018 , 98,	2-4	8
217	Reducing the number of time delays in coupled dynamical systems. <i>European Physical Journal: Special Topics</i> , 2018 , 227, 1281-1289	2-3	0
216	Wada structures in a binary black hole system. <i>Physical Review D</i> , 2018 , 98,	4-9	8
215	Low-dimensional paradigms for high-dimensional hetero-chaos. <i>Chaos</i> , 2018 , 28, 103110	3-3	7
214	Global relativistic effects in chaotic scattering. <i>Physical Review E</i> , 2017 , 95, 032205	2-4	9
213	Partially controlling transient chaos in the Lorenz equations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	17
212	Physics of cancer: the new adventure of physicists against cancer. <i>Contemporary Physics</i> , 2017 , 58, 176-178		

211	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
210	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
209	Detecting the weak high-frequency character signal by vibrational resonance in the Duffing oscillator. <i>Nonlinear Dynamics</i> , 2017 , 89, 2621-2628	5	30
208	Predictability of Chaotic Dynamics. <i>Springer Series in Synergetics</i> , 2017 ,	0.4	11
207	Vibrational resonance in a harmonically trapped potential system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 47, 370-378	3.7	15
206	Chaotic dynamics and fractal structures in experiments with cold atoms. <i>Physical Review A</i> , 2017 , 95,	2.6	26
205	Stochastic resonance in overdamped systems with fractional power nonlinearity. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	8
204	The dose-dense principle in chemotherapy. <i>Journal of Theoretical Biology</i> , 2017 , 430, 169-176	2.3	7
203	A new method to reduce the number of time delays in a network. <i>Scientific Reports</i> , 2017 , 7, 2744	4.9	2
202	Noise-induced resonance at the subharmonic frequency in bistable systems. <i>Nonlinear Dynamics</i> , 2017 , 87, 1721-1730	5	19
201	Wada property in systems with delay. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 43, 220-226	3.7	14
200	Destruction of solid tumors by immune cells. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 44, 390-403	3.7	9
199	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
198	Escaping from a chaotic saddle in the presence of noise. <i>International Journal of Nonlinear Dynamics and Control</i> , 2017 , 1, 78	0.2	
197	Lyapunov Exponents. <i>Springer Series in Synergetics</i> , 2017 , 25-59	0.4	1
196	Predictability. <i>Springer Series in Synergetics</i> , 2017 , 91-127	0.4	1
195	Dynamical Regimes and Time Scales. <i>Springer Series in Synergetics</i> , 2017 , 61-89	0.4	
194	Forecasting and Chaos. <i>Springer Series in Synergetics</i> , 2017 , 1-24	0.4	

193	When the firm prevents the crash: Avoiding market collapse with partial control. <i>PLoS ONE</i> , 2017 , 12, e0181925	3.7	
192	Modern Dynamics. <i>Contemporary Physics</i> , 2016 , 57, 242-245	3.3	1
191	Vibrational subharmonic and superharmonic resonances. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 30, 362-372	3.7	25
190	Vibrational Resonance in Monostable Systems. <i>Springer Series in Synergetics</i> , 2016 , 83-117	0.4	1
189	Harmonic and Nonlinear Resonances. <i>Springer Series in Synergetics</i> , 2016 , 1-38	0.4	1
188	Coherence and Chaotic Resonances. <i>Springer Series in Synergetics</i> , 2016 , 333-350	0.4	
187	Multiple resonance and anti-resonance in coupled Duffing oscillators. <i>Nonlinear Dynamics</i> , 2016 , 83, 1803-1814	3.7	23
186	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
185	Nonlinear Resonances. <i>Springer Series in Synergetics</i> , 2016 ,	0.4	62
184	Decay Dynamics of Tumors. <i>PLoS ONE</i> , 2016 , 11, e0157689	3.7	6
183	Role of dark matter haloes on the predictability of computed orbits. <i>Astronomy and Astrophysics</i> , 2016 , 595, A68	5.1	2
182	Entanglement Entropy in a Triangular Billiard. <i>Entropy</i> , 2016 , 18, 79	2.8	2
181	Parametric partial control of chaotic systems. <i>Nonlinear Dynamics</i> , 2016 , 86, 869-876	5	9
180	Basin entropy: a new tool to analyze uncertainty in dynamical systems. <i>Scientific Reports</i> , 2016 , 6, 31416	4.9	101
179	Exploring Chaos and Entanglement in the Hénon-Heiles System Using Squeezed Coherent States. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650052	2	1
178	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
177	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
176	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

175	Infinite horseshoes and complex dynamics in physical systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 22, 866-871	3.7	
174	Signal generation and enhancement in a delayed system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 22, 1158-1168	3.7	10
173	Effect of geometry on the classical entanglement in a chaotic optical fiber. <i>Optics Express</i> , 2015 , 23, 32193-32013	3.5	
172	Testing for Basins of Wada. <i>Scientific Reports</i> , 2015 , 5, 16579	4.9	31
171	Bifurcation Transition and Nonlinear Response in a Fractional-Order System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2015 , 10,	1.4	9
170	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
169	Bifurcation and resonance in a fractional Mathieu-Duffing oscillator. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	17
168	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
167	Mutation-selection equilibrium in finite populations playing a HawkDove game. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 25, 66-73	3.7	3
166	Phase Control of Chaotic Maps. <i>Advances in Dynamics, Patterns, Cognition</i> , 2015 , 175-193	0.7	
165	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
164	Effect of squeezing and Planck constant dependence in short time semiclassical entanglement. <i>European Physical Journal D</i> , 2014 , 68, 1	1.3	3
163	Impact of quantumclassical correspondence on entanglement enhancement by single-mode squeezing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2603-2610	2.3	4
162	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
161	Effects of periodic forcing in chaotic scattering. <i>Physical Review E</i> , 2014 , 89, 042909	2.4	9
160	Modulation of synchronization dynamics in a network of self-sustained systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 656-672	3.7	2
159	Cyclic motifs as the governing topological factor in time-delayed oscillator networks. <i>Physical Review E</i> , 2014 , 90, 052920	2.4	2
158	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

157	Energy Harvesting Enhancement by Vibrational Resonance. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1430019	2	12
156	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
155	Frequency dispersion in the time-delayed Kuramoto model. <i>Physical Review E</i> , 2014 , 89, 032905	2.4	14
154	Control of collective network chaos. <i>Chaos</i> , 2014 , 24, 023127	3.3	6
153	Ghost-vibrational resonance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 4003-4012	3.7	29
152	Avoiding healthy cells extinction in a cancer model. <i>Journal of Theoretical Biology</i> , 2014 , 349, 74-81	2.3	17
151	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
150	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
149	Vibrational resonance in the Morse oscillator 2013 , 81, 127-141		19
148	Vibrational resonance in groundwater-dependent plant ecosystems. <i>Ecological Complexity</i> , 2013 , 15, 33-42	2.6	22
147	Pitchfork bifurcation and vibrational resonance in a fractional-order Duffing oscillator 2013 , 81, 943-957		10
146	Weakly noisy chaotic scattering. <i>Physical Review E</i> , 2013 , 88, 032914	2.4	14
145	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
144	Electronic circuit implementation of the chaotic Rulkov neuron model. <i>Journal of the Franklin Institute</i> , 2013 , 350, 2901-2910	4	4
143	Effect of multiple time-delay on vibrational resonance. <i>Chaos</i> , 2013 , 23, 013136	3.3	23
142	New developments in classical chaotic scattering. <i>Reports on Progress in Physics</i> , 2013 , 76, 016001	14.4	68
141	Effective suppressibility of chaos. <i>Chaos</i> , 2013 , 23, 023107	3.3	1
140	Bursting frequency versus phase synchronization in time-delayed neuron networks. <i>Physical Review E</i> , 2013 , 87, 052903	2.4	25

139	Dynamics of Partial Control of Chaotic Systems. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 3-4	0.4	
138	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
137	Predictability of orbits in coupled systems through finite-time Lyapunov exponents. <i>New Journal of Physics</i> , 2013 , 15, 113064	2.9	15
136	STRONG SENSITIVITY OF THE VIBRATIONAL RESONANCE INDUCED BY FRACTAL STRUCTURES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350129	2	4
135	PHASE CONTROL IN THE MASS-SPRING MODEL WITH NONSMOOTH STIFFNESS AND EXTERNAL EXCITATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1330042	2	1
134	PARTIAL CONTROL OF ESCAPES IN CHAOTIC SCATTERING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350008	2	3
133	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
132	Vibrational Resonance in a Duffing System with a Generalized Delayed Feedback. <i>Journal of Applied Nonlinear Dynamics</i> , 2013 , 2, 397-408	2	11
131	Transition of phase locking modes in a minimal neuronal network. <i>Neurocomputing</i> , 2012 , 81, 60-66	5.4	5
130	Finding safety in partially controllable chaotic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4274-4280	3.7	21
129	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
128	Competitive decoders for turbo-like chaos-based systems. <i>IET Communications</i> , 2012 , 6, 1278	1.3	7
127	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
126	Vibrational resonance in biological nonlinear maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3435-3445	3.7	41
125	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
124	The efficiency of a random and fast switch in complex dynamical systems. <i>New Journal of Physics</i> , 2012 , 14, 083022	2.9	8
123	Dynamics of partial control. <i>Chaos</i> , 2012 , 22, 047507	3.3	21
122	TO ESCAPE OR NOT TO ESCAPE, THAT IS THE QUESTION (PERTURBING THE HOMOCLINES HAMILTONIAN). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1230010	2	41

121	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
120	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
119	Novel vibrational resonance in multistable systems. <i>Chaos</i> , 2011 , 21, 033106	3.3	54
118	Map-based models in neuronal dynamics. <i>Physics Reports</i> , 2011 , 501, 1-74	27.7	179
117	Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 371-95	3	38
116	Theory and numerics of vibrational resonance in Duffing oscillators with time-delayed feedback. <i>Physical Review E</i> , 2011 , 83, 066205	2.4	74
115	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
114	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
113	EFFECT OF STEP SIZE ON BIFURCATIONS AND CHAOS OF A MAP-BASED BVP OSCILLATOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 1789-1795	2	2
112	PREDICTING THE SYNCHRONIZATION OF A NETWORK OF ELECTRONIC REPRESSILATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 1751-1760	2	3
111	Permutation complexity of spatiotemporal dynamics. <i>Europhysics Letters</i> , 2010 , 90, 10007	1.6	12
110	PHASE CONTROL IN NONLINEAR SYSTEMS. <i>Series on Stability, Vibration and Control of Systems - Series B</i> , 2010 , 147-187		1
109	Synchronization of uncoupled excitable systems induced by white and coloured noise. <i>New Journal of Physics</i> , 2010 , 12, 053040	2.9	14
108	Partial control of chaotic transients using escape times. <i>New Journal of Physics</i> , 2010 , 12, 113038	2.9	14
107	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
106	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
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