

Ricardo L Viana

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1100267/ricardo-l-viana-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

210
papers

2,812
citations

29
h-index

41
g-index

225
ext. papers

3,151
ext. citations

3.3
avg, IF

5.18
L-index

#	Paper	IF	Citations
210	Unpredictability in Hamiltonian systems with a hierarchical phase space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022 , 127991	2.3	1
209	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. <i>Chaos, Solitons and Fractals</i> , 2022 , 155, 111784	9.3	1
208	Spiral wave chimera states in regular and fractal neuronal networks. <i>Journal of Physics Complexity</i> , 2021 , 2, 015006	1.8	3
207	Coexistence of turbulence regimes in the Texas Helimak. <i>Physics of Plasmas</i> , 2021 , 28, 032301	2.1	2
206	Transport Barriers in Symplectic Maps. <i>Brazilian Journal of Physics</i> , 2021 , 51, 899-909	1.2	
205	Effects of burst-timing-dependent plasticity on synchronous behaviour in neuronal network. <i>Neurocomputing</i> , 2021 , 436, 126-135	5.4	2
204	Bursting synchronization in neuronal assemblies of scale-free networks. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110395	9.3	4
203	Strong chaotification and robust chaos in the Duffing oscillator induced by two-frequency excitation. <i>Nonlinear Dynamics</i> , 2021 , 103, 1955-1967	5	2
202	Curry-Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. <i>Chaos</i> , 2021 , 31, 023125	3.3	5
201	Fractal Structures in a Binary Schwarzschild Black Hole System. <i>World Scientific Series on Nonlinear Science, Series B</i> , 2021 , 227-241	0.3	
200	Suppression of chaotic bursting synchronization in clustered scale-free networks by an external feedback signal. <i>Chaos</i> , 2021 , 31, 083128	3.3	0
199	Onset of internal transport barriers in tokamaks. <i>Physics of Plasmas</i> , 2021 , 28, 082305	2.1	1
198	Low-dimensional chaos in the single wave model for self-consistent wave-particle Hamiltonian. <i>Chaos</i> , 2021 , 31, 083104	3.3	
197	Fractal structures in the deflection of light by a pair of charged black holes. <i>Chaos, Solitons and Fractals</i> , 2021 , 150, 111139	9.3	
196	Mathematical model of brain tumour growth with drug resistance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 103, 106013	3.7	1
195	Transport of blood particles: Chaotic advection even in a healthy scenario. <i>Chaos</i> , 2020 , 30, 093135	3.3	1
194	Network properties of healthy and Alzheimer brains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 547, 124475	3.3	8

193	An integro-differential equation for dynamical systems with diffusion-mediated coupling. <i>Nonlinear Dynamics</i> , 2020 , 100, 3759-3770	5	0
192	Anisotropic Axisymmetric MHD Equilibria in Spheroidal Coordinates. <i>Brazilian Journal of Physics</i> , 2020 , 50, 136-142	1.2	
191	Chaotic maps with nonlocal coupling: Lyapunov exponents, synchronization of chaos, and characterization of chimeras. <i>Chaos, Solitons and Fractals</i> , 2020 , 131, 109501	9.3	3
190	Basin of attraction for chimera states in a network of Rössler oscillators. <i>Chaos</i> , 2020 , 30, 083115	3.3	7
189	Reaction-Diffusion Equation with Stationary Wave Perturbation in Weakly Ionized Plasmas. <i>Brazilian Journal of Physics</i> , 2020 , 50, 780-787	1.2	1
188	Ratchet current in nontwist Hamiltonian systems. <i>Chaos</i> , 2020 , 30, 093141	3.3	2
187	Using rotation number to detect sticky orbits in Hamiltonian systems. <i>Chaos</i> , 2019 , 29, 043125	3.3	8
186	Anisotropic MHD equilibria in symmetric systems. <i>Physics of Plasmas</i> , 2019 , 26, 042502	2.1	4
185	Quantifying coherence of chimera states in coupled chaotic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 526, 120869	3.3	3
184	Nonlinear dynamics and chaos in micro/nanoelectromechanical beam resonators actuated by two-sided electrodes. <i>Chaos, Solitons and Fractals</i> , 2019 , 122, 6-16	9.3	26
183	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. <i>Chaos</i> , 2019 , 29, 043106	3.3	14
182	Dragon-kings death in nonlinear wave interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 534, 122296	3.3	2
181	Correlated Brownian motion and diffusion of defects in spatially extended chaotic systems. <i>Chaos</i> , 2019 , 29, 071104	3.3	2
180	The role of dose density in combination cancer chemotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 79, 104918	3.7	5
179	Non-local coupling among oscillators mediated by fast travelling waves. <i>International Journal of Nonlinear Dynamics and Control</i> , 2019 , 1, 376	0.2	
178	Fractal structures in the parameter space of nontwist area-preserving maps. <i>Physical Review E</i> , 2019 , 100, 052207	2.4	4
177	Synchronous patterns and intermittency in a network induced by the rewiring of connections and coupling. <i>Chaos</i> , 2019 , 29, 123132	3.3	5
176	Nonlinear cancer chemotherapy: Modelling the Norton-Simon hypothesis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 70, 307-317	3.7	10

175	Dynamical characterization of transport barriers in nontwist Hamiltonian systems. <i>Physical Review E</i> , 2018 , 97, 012214	2.4	7
174	Inference of topology and the nature of synapses, and the flow of information in neuronal networks. <i>Physical Review E</i> , 2018 , 97, 022303	2.4	6
173	Symplectic Maps for Diverted Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2354-2361	1.3	2
172	A network of networks model to study phase synchronization using structural connection matrix of human brain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 496, 162-170	3.3	13
171	Mathematical model with autoregressive process for electrocardiogram signals. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 57, 415-421	3.7	5
170	Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018 , 28, 085701	3.3	7
169	Riddling: Chimera's dilemma. <i>Chaos</i> , 2018 , 28, 081105	3.3	13
168	How synapses can enhance sensibility of a neural network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 1045-1052	3.3	
167	Adiabatic plasma rotations and symmetric magnetohydrodynamical stationary equilibria: analytical and semi-numerical solutions. <i>Journal of Physics Communications</i> , 2018 , 2, 035011	1.2	
166	Alterations in brain connectivity due to plasticity and synaptic delay. <i>European Physical Journal: Special Topics</i> , 2018 , 227, 673-682	2.3	7
165	Building phase synchronization equivalence between coupled bursting neurons and phase oscillators. <i>Journal of Physics Communications</i> , 2018 , 2, 025014	1.2	2
164	Delayed feedback control of phase synchronisation in a neuronal network model. <i>European Physical Journal: Special Topics</i> , 2018 , 227, 1151-1160	2.3	3
163	Coexistence of Subharmonic Resonant Modes Obeying a Period-Adding Rule. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1830031	2	5
162	Recurrence-based analysis of barrier breakup in the standard nontwist map. <i>Chaos</i> , 2018 , 28, 085717	3.3	4
161	Efficient manifolds tracing for planar maps. <i>Chaos</i> , 2018 , 28, 093106	3.3	4
160	Introduction to focus issue: Recurrence quantification analysis for understanding complex systems. <i>Chaos</i> , 2018 , 28, 085601	3.3	16
159	Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 509, 1110-1119	3.3	8
158	Synchronous behaviour in network model based on human cortico-cortical connections. <i>Physiological Measurement</i> , 2018 , 39, 074006	2.9	14

157	Shaping Diverted Plasmas With Symplectic Maps. <i>IEEE Transactions on Plasma Science</i> , 2017 , 45, 356-363	1.3	2
156	Chimera-like states in a neuronal network model of the cat brain. <i>Chaos, Solitons and Fractals</i> , 2017 , 101, 86-91	9.3	44
155	Magnetohydrostatic Equilibrium with External Gravitational Fields in Symmetric Systems. <i>Brazilian Journal of Physics</i> , 2017 , 47, 55-64	1.2	
154	Synchronization of phase oscillators with coupling mediated by a diffusing substance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 470, 236-248	3.3	10
153	Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 588-598	9.3	6
152	Sincronizaçã entre um oscilador de fase e um forçamento externo. <i>Revista Brasileira De Ensino De Fisica</i> , 2017 , 39,	0.4	1
151	Fractal boundaries in chaotic hamiltonian systems. <i>Journal of Physics: Conference Series</i> , 2017 , 911, 012002	0.2	
150	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. <i>Brazilian Journal of Physics</i> , 2017 , 47, 678-688	1.2	8
149	The dose-dense principle in chemotherapy. <i>Journal of Theoretical Biology</i> , 2017 , 430, 169-176	2.3	7
148	Lyapunov spectrum of chaotic maps with a long-range coupling mediated by a diffusing substance. <i>Nonlinear Dynamics</i> , 2017 , 87, 1589-1601	5	6
147	Fractal structures in the chaotic motion of charged particles in a magnetized plasma under the influence of drift waves. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 469, 681-694	3.3	10
146	Recurrence analysis of ant activity patterns. <i>PLoS ONE</i> , 2017 , 12, e0185968	3.7	8
145	Dynamical properties of the soft-wall elliptical billiard. <i>Physical Review E</i> , 2016 , 94, 022218	2.4	4
144	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
143	Synchronization of biological clock cells with a coupling mediated by the local concentration of a diffusing substance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 35, 37-52	3.7	10
142	Network and external perturbation induce burst synchronisation in cat cerebral cortex. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 34, 45-54	3.7	10
141	Recurrence Analysis of Turbulent Fluctuations in Magnetically Confined Plasmas. <i>Springer Proceedings in Physics</i> , 2016 , 341-353	0.2	2
140	Suppression of phase synchronisation in network based on cat's brain. <i>Chaos</i> , 2016 , 26, 043107	3.3	15

139	Stationary MHD equilibria describing azimuthal rotations in symmetric plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 122503	2.1	
138	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
137	Recurrence quantification analysis of chimera states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2188-2192	2.3	23
136	Macroscopic bursting in physiological networks: node or network property?. <i>New Journal of Physics</i> , 2015 , 17, 055024	2.9	9
135	Phase synchronization of coupled bursting neurons and the generalized Kuramoto model. <i>Neural Networks</i> , 2015 , 66, 107-18	9.1	40
134	Complementary action of chemical and electrical synapses to perception. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 430, 236-241	3.3	7
133	Pattern formation and Turing instability in an activator-inhibitor system with power-law coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 419, 487-497	3.3	10
132	Mechanism for stickiness suppression during extreme events in Hamiltonian systems. <i>Physical Review E</i> , 2015 , 91, 062903	2.4	9
131	Synchronization versus neighborhood similarity in complex networks of nonidentical oscillators. <i>Physical Review E</i> , 2015 , 92, 032901	2.4	9
130	Efeito de um termo dissipativo no sistema hamiltoniano de ondas de deriva. <i>Revista Brasileira De Ensino De Fisica</i> , 2015 , 37, 2308-1-2308-8	0.4	
129	Mathematical model of brain tumour with glia-neuron interactions and chemotherapy treatment. <i>Journal of Theoretical Biology</i> , 2015 , 368, 113-21	2.3	15
128	Control of extreme events in the bubbling onset of wave turbulence. <i>Physical Review E</i> , 2014 , 89, 040901	2.4	12
127	Characterization of spatial patterns produced by a Turing instability in coupled dynamical systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 1055-1071	3.7	7
126	Dynamical Effects in Confined Plasma Turbulence. <i>Brazilian Journal of Physics</i> , 2014 , 44, 903-913	1.2	
125	Spatial recurrence analysis: a sensitive and fast detection tool in digital mammography. <i>Chaos</i> , 2014 , 24, 013106	3.3	10
124	Multiple-time-scale framework for understanding the progression of Parkinson's disease. <i>Physical Review E</i> , 2014 , 90, 062709	2.4	11
123	Synchronization of bursting Hodgkin-Huxley-type neurons in clustered networks. <i>Physical Review E</i> , 2014 , 90, 032818	2.4	36
122	Super persistent transient in a master-slave configuration with Colpitts oscillators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 405101	2	3

121	Model for tumour growth with treatment by continuous and pulsed chemotherapy. <i>BioSystems</i> , 2014 , 116, 43-8	1.9	29
120	Dynamic range in a neuron network with electrical and chemical synapses. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 164-172	3.7	14
119	Using the Transfer Entropy to Build Secure Communication Systems. <i>Communications in Computer and Information Science</i> , 2014 , 92-99	0.3	
118	Control of bursting synchronization in networks of Hodgkin-Huxley-type neurons with chemical synapses. <i>Physical Review E</i> , 2013 , 87, 042713	2.4	29
117	Analysis of the influence of external biasing on Texas Helimak turbulence. <i>Physics of Plasmas</i> , 2013 , 20, 022310	2.1	12
116	Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. <i>Nonlinear Dynamics</i> , 2012 , 70, 401-407	5	8
115	Effective transport barriers in nontwist systems. <i>Physical Review E</i> , 2012 , 86, 036206	2.4	23
114	Anomalous transport induced by nonhyperbolicity. <i>Physical Review E</i> , 2012 , 86, 016216	2.4	7
113	Dynamical analysis of turbulence in fusion plasmas and nonlinear waves. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4690-4699	3.7	3
112	Bursting synchronization in networks with long-range coupling mediated by a diffusing chemical substance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 2924-2942	3.7	16
111	Shearless transport barriers in magnetically confined plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2012 , 54, 124035	2	11
110	Self-organization in the movement activity of social insects (Hymenoptera: Formicidae) 2012 ,		2
109	Phase synchronization of bursting neurons in clustered small-world networks. <i>Physical Review E</i> , 2012 , 86, 016211	2.4	62
108	Intermingled basins in coupled Lorenz systems. <i>Physical Review E</i> , 2012 , 85, 036207	2.4	21
107	Suppression of bursting synchronization in clustered scale-free (rich-club) neuronal networks. <i>Chaos</i> , 2012 , 22, 043149	3.3	45
106	SYNCHRONIZATION OF CHAOS AND THE TRANSITION TO WAVE TURBULENCE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250234	2	1
105	Divertor map with freedom of geometry and safety factor profile. <i>Plasma Physics and Controlled Fusion</i> , 2012 , 54, 045007	2	6
104	Transport barriers in plasmas. <i>Journal of Physics: Conference Series</i> , 2012 , 370, 012001	0.3	

103	Radial dependence of self-organized criticality behavior in TCABR tokamak. <i>Journal of Physics: Conference Series</i> , 2011 , 285, 012004	0.3	
102	On a cellular automaton with time delay for modelling cancer tumors. <i>Journal of Physics: Conference Series</i> , 2011 , 285, 012015	0.3	2
101	Collisional effects in the tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 376, 24-30	2.3	10
100	Blowout bifurcation and spatial mode excitation in the bubbling transition to turbulence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 365-373	3.3	4
99	Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 371-95	3	38
98	Parametric evolution of unstable dimension variability in coupled piecewise-linear chaotic maps. <i>Physical Review E</i> , 2011 , 83, 037201	2.4	3
97	Turing instability in oscillator chains with nonlocal coupling. <i>Physical Review E</i> , 2011 , 83, 046220	2.4	5
96	Two-state on-off intermittency caused by unstable dimension variability in periodically forced drift waves. <i>Physical Review E</i> , 2011 , 84, 056211	2.4	10
95	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage Alfvén Bråilien tokamak. <i>Physics of Plasmas</i> , 2010 , 17, 012303	2.1	15
94	Two-state on-off intermittency and the onset of turbulence in a spatiotemporally chaotic system. <i>Physical Review Letters</i> , 2010 , 105, 055001	7.4	18
93	Characterizing electrostatic turbulence in tokamak plasmas with high MHD activity. <i>Journal of Physics: Conference Series</i> , 2010 , 246, 012014	0.3	3
92	Extreme fractal structures in chaotic mechanical systems: riddled basins of attraction. <i>Journal of Physics: Conference Series</i> , 2010 , 246, 012001	0.3	4
91	Delayed feedback control of bursting synchronization in a scale-free neuronal network. <i>Neural Networks</i> , 2010 , 23, 114-24	9.1	108
90	Multistability and Self-Similarity in the Parameter-Space of a Vibro-Impact System. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-11	1.1	4
89	Intermittent Behavior and Synchronization of Two Coupled Noisy Driven Oscillators. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-13	1.1	2
88	Bicoherence in electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Bråilien. <i>Physics of Plasmas</i> , 2009 , 16, 042508	2.1	13
87	Synchronization and suppression of chaos in non-locally coupled map lattices 2009 , 73, 999-1009		1
86	Clustering and diffusion in a symplectic map lattice with non-local coupling. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 2201-2215	9.3	5

85	Bursting synchronization in scale-free networks. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 2220-2225	9.3	39
84	Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. <i>Computer Physics Communications</i> , 2009 , 180, 642-650	4.2	8
83	Fractal structures in nonlinear dynamics. <i>Reviews of Modern Physics</i> , 2009 , 81, 333-386	40.5	241
82	Transport properties in nontwist area-preserving maps. <i>Chaos</i> , 2009 , 19, 043108	3.3	43
81	Using recurrences to characterize the hyperchaos-chaos transition. <i>Physical Review E</i> , 2008 , 78, 066206	2.4	17
80	Low-dimensional chaos and wave turbulence in plasmas. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 609-20	3	3
79	Short-time memories in a network with randomly distributed connections. <i>Physical Review E</i> , 2008 , 78, 037102	2.4	
78	Escape patterns of chaotic magnetic field lines in a tokamak with reversed magnetic shear and an ergodic limiter. <i>Physics of Plasmas</i> , 2008 , 15, 092310	2.1	31
77	Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. <i>Physics of Plasmas</i> , 2008 , 15, 062501	2.1	12
76	Periodic-orbit analysis and scaling laws of intermingled basins of attraction in an ecological dynamical system. <i>Physical Review E</i> , 2008 , 78, 056214	2.4	8
75	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
74	Recurrence quantification analysis of electrostatic fluctuations in fusion plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 1088-1095	2.3	20
73	Crisis-induced unstable dimension variability in a dynamical system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 5569-5574	2.3	10
72	Bursting synchronization in non-locally coupled maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 4417-4428	3.3	19
71	Tokamak magnetic field lines described by simple maps. <i>European Physical Journal: Special Topics</i> , 2008 , 165, 195-210	2.3	36
70	Damping control law for a chaotic impact oscillator. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 745-750	9.3	38
69	Noise-induced basin hopping in a vibro-impact system. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 758-767	9.3	25
68	Basins of attraction of nonlinear wave-wave interactions. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 711-724	9.3	3

67	A simple feedback control for a chaotic oscillator with limited power supply. <i>Journal of Sound and Vibration</i> , 2007 , 299, 664-671	3.9	13
66	DIFFUSIVE TRANSPORT THROUGH A NONTWIST BARRIER IN TOKAMAKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 1589-1598	2	16
65	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
64	Onset of spatiotemporal chaos in a nonlinear system. <i>Physical Review E</i> , 2007 , 75, 067202	2.4	5
63	Transversal dynamics of a non-locally-coupled map lattice. <i>Physical Review E</i> , 2007 , 76, 017202	2.4	1
62	Periodic orbit analysis at the onset of the unstable dimension variability and at the blowout bifurcation. <i>Chaos</i> , 2007 , 17, 023131	3.3	13
61	Chaotic phase synchronization in scale-free networks of bursting neurons. <i>Physical Review E</i> , 2007 , 76, 016218	2.4	101
60	Escaping and transport barrier due to ergodic magnetic limiters in tokamaks with reversed magnetic shear. <i>Nuclear Fusion</i> , 2006 , 46, S192-S198	3.3	6
59	Turbulence Induced Transport in Tokamaks. <i>AIP Conference Proceedings</i> , 2006 ,	0	2
58	Effects of the resonant modes on the magnetic footprint patterns in a tokamak wall. <i>Physics of Plasmas</i> , 2006 , 13, 052511	2.1	3
57	Spatial recurrence plots. <i>Physical Review E</i> , 2006 , 73, 056207	2.4	35
56	Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. <i>Physics of Plasmas</i> , 2006 , 13, 042510	2.1	21
55	Conversion of local transient chaos into global laminar states in coupled map lattices with long-range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 367, 158-172	3.3	3
54	Self-organized memories in coupled map lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 368, 387-398	3.3	6
53	Dynamics of vibrating systems with tuned liquid column dampers and limited power supply. <i>Journal of Sound and Vibration</i> , 2006 , 289, 987-998	3.9	16
52	Derivation of an analytical area-preserving map to describe transport barriers in tokamaks. <i>Journal of Physics: Conference Series</i> , 2005 , 7, 163-173	0.3	4
51	Bubbling bifurcation: Loss of synchronization and shadowing breakdown in complex systems. <i>Physica D: Nonlinear Phenomena</i> , 2005 , 206, 94-108	3.3	36
50	Short-term memories with a stochastic perturbation. <i>Chaos, Solitons and Fractals</i> , 2005 , 23, 1689-1694	9.3	2

49	Basins of attraction changes by amplitude constraining of oscillators with limited power supply. <i>Chaos, Solitons and Fractals</i> , 2005 , 26, 1211-1220	9.3	33
48	Noise-induced basin hopping in a gearbox model. <i>Chaos, Solitons and Fractals</i> , 2005 , 26, 1523-1531	9.3	15
47	Magnetic field structure in the TCABR tokamak due to ergodic limiters with a non-uniform current distribution: theoretical and experimental results. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, 1609-1632	2	17
46	Simulating a chaotic process. <i>Brazilian Journal of Physics</i> , 2005 , 35, 139-147	1.2	2
45	Non-twist field line mappings for tokamaks with reversed magnetic shear. <i>Brazilian Journal of Physics</i> , 2004 , 34, 1759-1765	1.2	4
44	Magnetic trapping caused by resonant perturbations in tokamaks with reversed magnetic shear. <i>Physics of Plasmas</i> , 2004 , 11, 214-225	2.1	29
43	Basins of Attraction of Periodic Oscillations in Suspension Bridges. <i>Nonlinear Dynamics</i> , 2004 , 37, 207-226		17
42	Unstable dimension variability and codimension-one bifurcations of two-dimensional maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 321, 244-251	2.3	3
41	Transport barrier created by dimerized islands. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 342, 363-369	3.3	11
40	Spatial correlations and synchronization in coupled map lattices with long-range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 343, 201-218	3.3	16
39	Sudden changes in chaotic attractors and transient basins in a model for rattling in gearboxes. <i>Chaos, Solitons and Fractals</i> , 2004 , 21, 763-772	9.3	31
38	MULTISTABILITY, BASIN BOUNDARY STRUCTURE, AND CHAOTIC BEHAVIOR IN A SUSPENSION BRIDGE MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 927-950	2	29
37	Multistability and phase-space structure of dissipative nonlinear parametric four-wave interactions. <i>Physical Review E</i> , 2004 , 70, 056403	2.4	7
36	PSEUDO-DETERMINISTIC CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3235-3253	2	19
35	Chaotic magnetic field lines in tokamaks with ergodic limiters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 317, 411-431	3.3	11
34	Stabilizing periodic orbits in a chaotic semiconductor laser. <i>Chaos, Solitons and Fractals</i> , 2003 , 15, 327-340	9.3	9
33	Boundary crises, fractal basin boundaries, and electric power collapses. <i>Chaos, Solitons and Fractals</i> , 2003 , 15, 417-424	9.3	9
32	Erosion of the safe basin for the transversal oscillations of a suspension bridge. <i>Chaos, Solitons and Fractals</i> , 2003 , 18, 829-841	9.3	28

31	Mode locking in small-world networks of coupled circle maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 322, 118-128	3.3	17
30	Analytical results for coupled-map lattices with long-range interactions. <i>Physical Review E</i> , 2003 , 68, 045202	2.2	45
29	Validity of numerical trajectories in the synchronization transition of complex systems. <i>Physical Review E</i> , 2003 , 68, 067204	2.4	26
28	Control of chaotic magnetic fields in tokamaks. <i>Brazilian Journal of Physics</i> , 2002 , 32, 980	1.2	22
27	Bifurcations and onset of chaos on the ergodic magnetic limiter mapping. <i>Chaos, Solitons and Fractals</i> , 2002 , 14, 403-423	9.3	11
26	Collective behavior in a chain of van der Pol oscillators with power-law coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 303, 339-356	3.3	31
25	Short-term memories in lattices of inductively coupled AC-driven circuits. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 303, 410-420	3.3	3
24	Kolmogorov-Binai entropy for locally coupled piecewise linear maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 308, 125-134	3.3	6
23	Type-I Intermittency and Crisis-Induced Intermittency in a Semiconductor Laser under Injection Current Modulation. <i>Nonlinear Dynamics</i> , 2002 , 27, 185-195	5	14
22	Chaotic bursting at the onset of unstable dimension variability. <i>Physical Review E</i> , 2002 , 66, 046213	2.4	15
21	Lyapunov spectrum and synchronization of piecewise linear map lattices with power-law coupling. <i>Physical Review E</i> , 2002 , 65, 056209	2.4	36
20	Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. <i>Physics of Plasmas</i> , 2002 , 9, 4917-4928	2.1	48
19	Ergodic magnetic limiter for the TCABR. <i>Brazilian Journal of Physics</i> , 2002 , 32,	1.2	4
18	Lyapunov exponents of a lattice of chaotic maps with a power-law coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001 , 286, 134-140	2.3	17
17	RIDDLED BASINS AND UNSTABLE DIMENSION VARIABILITY IN CHAOTIC SYSTEMS WITH AND WITHOUT SYMMETRY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001 , 11, 2689-2698	2	11
16	Field line diffusion and loss in a tokamak with an ergodic magnetic limiter. <i>Physics of Plasmas</i> , 2001 , 8, 2855-2865	2.1	27
15	Chaotic magnetic field lines in a Tokamak with resonant helical windings. <i>Chaos, Solitons and Fractals</i> , 2000 , 11, 765-778	9.3	15
14	Unstable dimension variability and synchronization of chaotic systems. <i>Physical Review E</i> , 2000 , 62, 462-474	2.4	29

13	Multiple short-term memories in coupled weakly nonlinear map lattices. <i>Physical Review E</i> , 2000 , 61, 5990-3	2.4	7
12	Synchronization plateaus in a lattice of coupled sine-circle maps. <i>Physical Review E</i> , 2000 , 61, 5154-61	2.4	34
11	On axisymmetric double adiabatic MHD equilibria with plasma flow. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, 567-573	2	8
10	Detailed derivation of axisymmetric double adiabatic MHD equilibria with general plasma flow. <i>Brazilian Journal of Physics</i> , 1999 , 29, 457-468	1.2	3
9	MHD Equilibrium Equation with Azimuthal Rotation in a Curvilinear Coordinate System. <i>International Journal of Theoretical Physics</i> , 1998 , 37, 2657-2668	1.1	2
8	Synchronization of Coupled Kicked Limit Cycle Systems. <i>Chaos, Solitons and Fractals</i> , 1998 , 9, 1931-1944	9.3	14
7	Spherically symmetric stationary MHD equilibria with azimuthal rotation. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, 197-203	2	9
6	Field-line stochasticity in a Tokamak with an Ergodic Magnetic Limiter. <i>Dynamical Systems</i> , 1997 , 12, 75-88		10
5	Comment on a Hamiltonian representation for helically symmetric fields (plasma). <i>Plasma Physics and Controlled Fusion</i> , 1994 , 36, 587-588	2	1
4	Stochastic quantization of the nonlinear sigma model and the background field method. <i>International Journal of Theoretical Physics</i> , 1994 , 33, 1241-1250	1.1	
3	Peripheral Stochasticity in Tokamaks. The Martin-Taylor Revisited. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1992 , 47, 941-944	1.4	12
2	Comments on the magnetic field generated by an infinite current grid. <i>European Journal of Physics</i> , 1991 , 12, 293-296	0.8	6
1	ANALYTIC STOCHASTIC REGULARIZATION IN QCD AND ITS SUPERSYMMETRIC EXTENSION. <i>Modern Physics Letters A</i> , 1989 , 04, 491-499	1.3	1