

# Ricardo L Viana

## List of Publications by Year in descending order

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222  
papers

3,466  
citations

159525

30  
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233338

45  
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225  
all docs

225  
docs citations

225  
times ranked

1774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractal structures in nonlinear dynamics. <i>Reviews of Modern Physics</i> , 2009, 81, 333-386.	16.4	281
2	Delayed feedback control of bursting synchronization in a scale-free neuronal network. <i>Neural Networks</i> , 2010, 23, 114-124.	3.3	124
3	Chaotic phase synchronization in scale-free networks of bursting neurons. <i>Physical Review E</i> , 2007, 76, 016218.	0.8	118
4	Phase synchronization of bursting neurons in clustered small-world networks. <i>Physical Review E</i> , 2012, 86, 016211.	0.8	71
5	Chimera-like states in a neuronal network model of the cat brain. <i>Chaos, Solitons and Fractals</i> , 2017, 101, 86-91.	2.5	64
6	Transport properties in nontwist area-preserving maps. <i>Chaos</i> , 2009, 19, 043108.	1.0	55
7	Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. <i>Physics of Plasmas</i> , 2002, 9, 4917-4928.	0.7	54
8	Phase synchronization of coupled bursting neurons and the generalized Kuramoto model. <i>Neural Networks</i> , 2015, 66, 107-118.	3.3	53
9	Analytical results for coupled-map lattices with long-range interactions. <i>Physical Review E</i> , 2003, 68, 045202.	0.8	51
10	Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 371-395.	1.6	50
11	Suppression of bursting synchronization in clustered scale-free (rich-club) neuronal networks. <i>Chaos</i> , 2012, 22, 043149.	1.0	49
12	Damping control law for a chaotic impact oscillator. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 745-750.	2.5	47
13	Tokamak magnetic field lines described by simple maps. <i>European Physical Journal: Special Topics</i> , 2008, 165, 195-210.	1.2	47
14	Spatial recurrence plots. <i>Physical Review E</i> , 2006, 73, 056207.	0.8	44
15	Bursting synchronization in scale-free networks. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2220-2225.	2.5	43
16	Model for tumour growth with treatment by continuous and pulsed chemotherapy. <i>BioSystems</i> , 2014, 116, 43-48.	0.9	43
17	Bubbling bifurcation: Loss of synchronization and shadowing breakdown in complex systems. <i>Physica D: Nonlinear Phenomena</i> , 2005, 206, 94-108.	1.3	42
18	Synchronization of bursting Hodgkin-Huxley-type neurons in clustered networks. <i>Physical Review E</i> , 2014, 90, 032818.	0.8	42

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19	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.	1.7	42
20	Lyapunov spectrum and synchronization of piecewise linear map lattices with power-law coupling. <i>Physical Review E</i> , 2002, 65, 056209.	0.8	37
21	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.	1.2	36
22	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.	2.5	35
23	Basins of attraction changes by amplitude constraining of oscillators with limited power supply. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1211-1220.	2.5	35
24	Unstable dimension variability and synchronization of chaotic systems. <i>Physical Review E</i> , 2000, 62, 462-468.	0.8	34
25	Synchronization plateaus in a lattice of coupled sine-circle maps. <i>Physical Review E</i> , 2000, 61, 5154-5161.	0.8	34
26	Erosion of the safe basin for the transversal oscillations of a suspension bridge. <i>Chaos, Solitons and Fractals</i> , 2003, 18, 829-841.	2.5	34
27	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.	0.7	33
28	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.	0.7	32
29	Nonlinear dynamics and chaos in micro/nanoelectromechanical beam resonators actuated by two-sided electrodes. <i>Chaos, Solitons and Fractals</i> , 2019, 122, 6-16.	2.5	32
30	Control of bursting synchronization in networks of Hodgkin-Huxley-type neurons with chemical synapses. <i>Physical Review E</i> , 2013, 87, 042713.	0.8	31
31	Magnetic trapping caused by resonant perturbations in tokamaks with reversed magnetic shear. <i>Physics of Plasmas</i> , 2004, 11, 214-225.	0.7	30
32	Noise-induced basin hopping in a vibro-impact system. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 758-767.	2.5	30
33	Effective transport barriers in nontwist systems. <i>Physical Review E</i> , 2012, 86, 036206.	0.8	29
34	Recurrence quantification analysis of chimera states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2188-2192.	0.9	29
35	Field line diffusion and loss in a tokamak with an ergodic magnetic limiter. <i>Physics of Plasmas</i> , 2001, 8, 2855-2865.	0.7	28
36	Mathematical model of brain tumour with glia-neuron interactions and chemotherapy treatment. <i>Journal of Theoretical Biology</i> , 2015, 368, 113-121.	0.8	28

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37	Validity of numerical trajectories in the synchronization transition of complex systems. <i>Physical Review E</i> , 2003, 68, 067204.	0.8	26
38	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.	0.7	26
39	Intermingled basins in coupled Lorenz systems. <i>Physical Review E</i> , 2012, 85, 036207.	0.8	26
40	Introduction to focus issue: Recurrence quantification analysis for understanding complex systems. <i>Chaos</i> , 2018, 28, .	1.0	26
41	Control of chaotic magnetic fields in tokamaks. <i>Brazilian Journal of Physics</i> , 2002, 32, 980.	0.7	24
42	PSEUDO-DETERMINISTIC CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 3235-3253.	0.7	22
43	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.	0.9	22
44	Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. <i>Physics of Plasmas</i> , 2006, 13, 042510.	0.7	22
45	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.	0.9	22
46	Bursting synchronization in non-locally coupled maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4417-4428.	1.2	22
47	Synchronous behaviour in network model based on human cortico-cortical connections. <i>Physiological Measurement</i> , 2018, 39, 074006.	1.2	21
48	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. <i>Chaos</i> , 2019, 29, 043106.	1.0	21
49	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.	1.2	20
50	Dynamics of vibrating systems with tuned liquid column dampers and limited power supply. <i>Journal of Sound and Vibration</i> , 2006, 289, 987-998.	2.1	20
51	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.	1.2	20
52	Chaotic magnetic field lines in a Tokamak with resonant helical windings. <i>Chaos, Solitons and Fractals</i> , 2000, 11, 765-778.	2.5	19
53	Basins of Attraction of Periodic Oscillations in Suspension Bridges. <i>Nonlinear Dynamics</i> , 2004, 37, 207-226.	2.7	19
54	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.	0.7	19

#	ARTICLE	IF	CITATIONS
55	Two-State On-Off Intermittency and the Onset of Turbulence in a Spatiotemporally Chaotic System. <i>Physical Review Letters</i> , 2010, 105, 055001.	2.9	19
56	Shearless transport barriers in magnetically confined plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124035.	0.9	19
57	Suppression of phase synchronisation in network based on cat's brain. <i>Chaos</i> , 2016, 26, 043107.	1.0	19
58	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.	0.9	17
59	Chaotic bursting at the onset of unstable dimension variability. <i>Physical Review E</i> , 2002, 66, 046213.	0.8	17
60	Mode locking in small-world networks of coupled circle maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 322, 118-128.	1.2	17
61	Using recurrences to characterize the hyperchaos-chaos transition. <i>Physical Review E</i> , 2008, 78, 066206.	0.8	17
62	Dynamic range in a neuron network with electrical and chemical synapses. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 164-172.	1.7	17
63	Control of extreme events in the bubbling onset of wave turbulence. <i>Physical Review E</i> , 2014, 89, 040901.	0.8	17
64	Riddling: Chimera's dilemma. <i>Chaos</i> , 2018, 28, 081105.	1.0	17
65	Nonlinear cancer chemotherapy: Modelling the Norton-Simon hypothesis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 70, 307-317.	1.7	17
66	A simple feedback control for a chaotic oscillator with limited power supply. <i>Journal of Sound and Vibration</i> , 2007, 299, 664-671.	2.1	16
67	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.	1.7	16
68	Synchronization of phase oscillators with coupling mediated by a diffusing substance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 236-248.	1.2	16
69	Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 1110-1119.	1.2	16
70	Title is missing!. <i>Nonlinear Dynamics</i> , 2002, 27, 185-195.	2.7	15
71	Noise-induced basin hopping in a gearbox model. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1523-1531.	2.5	15
72	Periodic orbit analysis at the onset of the unstable dimension variability and at the blowout bifurcation. <i>Chaos</i> , 2007, 17, 023131.	1.0	15

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73	Local predictability and nonhyperbolicity through finite Lyapunov exponent distributions in two-degrees-of-freedom Hamiltonian systems. <i>Physical Review E</i> , 2008, 78, 066204.	0.8	15
74	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage Alfvén Brésilien tokamak. <i>Physics of Plasmas</i> , 2010, 17, 012303.	0.7	15
75	The dose-dense principle in chemotherapy. <i>Journal of Theoretical Biology</i> , 2017, 430, 169-176.	0.8	15
76	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.	1.2	15
77	Synchronization of Coupled Kicked Limit Cycle Systems. <i>Chaos, Solitons and Fractals</i> , 1998, 9, 1931-1944.	2.5	14
78	Chaotic magnetic field lines in tokamaks with ergodic limiters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 317, 411-431.	1.2	14
79	Bicoherence in electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. <i>Physics of Plasmas</i> , 2009, 16, 042508.	0.7	14
80	Spatial recurrence analysis: A sensitive and fast detection tool in digital mammography. <i>Chaos</i> , 2014, 24, 013106.	1.0	14
81	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.	1.7	14
82	Network properties of healthy and Alzheimer brains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 124475.	1.2	14
83	Mathematical model of brain tumour growth with drug resistance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 106013.	1.7	14
84	Peripheral Stochasticity in Tokamaks.The Martin-Taylor Revisited. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1992, 47, 941-944.	0.7	13
85	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.	0.7	13
86	Multiple-time-scale framework for understanding the progression of Parkinson's disease. <i>Physical Review E</i> , 2014, 90, 062709.	0.8	13
87	Network and external perturbation induce burst synchronisation in cat cerebral cortex. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 34, 45-54.	1.7	13
88	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. <i>Brazilian Journal of Physics</i> , 2017, 47, 678-688.	0.7	13
89	Dynamical characterization of transport barriers in nontwist Hamiltonian systems. <i>Physical Review E</i> , 2018, 97, 012214.	0.8	13
90	Bifurcations and onset of chaos on the ergodic magnetic limiter mapping. <i>Chaos, Solitons and Fractals</i> , 2002, 14, 403-423.	2.5	12

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91	Transport barrier created by dimerized islands. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 363-369.	1.2	12
92	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.	0.9	12
93	Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. <i>Physics of Plasmas</i> , 2008, 15, 062501.	0.7	12
94	Analysis of the influence of external biasing on Texas Helimak turbulence. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	12
95	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.	1.2	12
96	Alterations in brain connectivity due to plasticity and synaptic delay. <i>European Physical Journal: Special Topics</i> , 2018, 227, 673-682.	1.2	12
97	Basin of attraction for chimera states in a network of Rössler oscillators. <i>Chaos</i> , 2020, 30, 083115.	1.0	12
98	Spherically symmetric stationary MHD equilibria with azimuthal rotation. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, 197-203.	0.9	11
99	Field-line stochasticity in a Tokamak with an Ergodic Magnetic Limiter. <i>Dynamical Systems</i> , 1997, 12, 75-88.	0.7	11
100	Collisional effects in the tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 376, 24-30.	0.9	11
101	Mathematical model with autoregressive process for electrocardiogram signals. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 57, 415-421.	1.7	11
102	Using rotation number to detect sticky orbits in Hamiltonian systems. <i>Chaos</i> , 2019, 29, 043125.	1.0	11
103	Recurrence analysis of ant activity patterns. <i>PLoS ONE</i> , 2017, 12, e0185968.	1.1	11
104	Stabilizing periodic orbits in a chaotic semiconductor laser. <i>Chaos, Solitons and Fractals</i> , 2003, 15, 327-341.	2.5	10
105	Two-state on-off intermittency caused by unstable dimension variability in periodically forced drift waves. <i>Physical Review E</i> , 2011, 84, 056211.	0.8	10
106	Macroscopic bursting in physiological networks: node or network property?. <i>New Journal of Physics</i> , 2015, 17, 055024.	1.2	10
107	Curry-Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. <i>Chaos</i> , 2021, 31, 023125.	1.0	10
108	Effects of burst-timing-dependent plasticity on synchronous behaviour in neuronal network. <i>Neurocomputing</i> , 2021, 436, 126-135.	3.5	10

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109	Ergodic magnetic limiter for the TCABR. Brazilian Journal of Physics, 2002, 32, .	0.7	10
110	Boundary crises, fractal basin boundaries, and electric power collapses. Chaos, Solitons and Fractals, 2003, 15, 417-424.	2.5	9
111	Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. Computer Physics Communications, 2009, 180, 642-650.	3.0	9
112	Mechanism for stickiness suppression during extreme events in Hamiltonian systems. Physical Review E, 2015, 91, 062903.	0.8	9
113	Synchronization versus neighborhood similarity in complex networks of nonidentical oscillators. Physical Review E, 2015, 92, 032901.	0.8	9
114	Fractal structures in the parameter space of nontwist area-preserving maps. Physical Review E, 2019, 100, 052207.	0.8	9
115	Synchronous patterns and intermittency in a network induced by the rewiring of connections and coupling. Chaos, 2019, 29, 123132.	1.0	9
116	Chaotic maps with nonlocal coupling: Lyapunov exponents, synchronization of chaos, and characterization of chimeras. Chaos, Solitons and Fractals, 2020, 131, 109501.	2.5	9
117	Onset of internal transport barriers in tokamaks. Physics of Plasmas, 2021, 28, 082305.	0.7	9
118	Comments on the magnetic field generated by an infinite current grid. European Journal of Physics, 1991, 12, 293-296.	0.3	8
119	On axisymmetric double adiabatic MHD equilibria with plasma flow. Plasma Physics and Controlled Fusion, 1999, 41, 567-573.	0.9	8
120	Kolmogorov's Sinai entropy for locally coupled piecewise linear maps. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 125-134.	1.2	8
121	Multistability and phase-space structure of dissipative nonlinear parametric four-wave interactions. Physical Review E, 2004, 70, 056403.	0.8	8
122	Periodic-orbit analysis and scaling laws of intermingled basins of attraction in an ecological dynamical system. Physical Review E, 2008, 78, 056214.	0.8	8
123	Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. Nonlinear Dynamics, 2012, 70, 401-407.	2.7	8
124	Characterization of spatial patterns produced by a Turing instability in coupled dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1055-1071.	1.7	8
125	Complementary action of chemical and electrical synapses to perception. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 236-241.	1.2	8
126	Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. Chaos, Solitons and Fractals, 2017, 104, 588-598.	2.5	8



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127	Lyapunov spectrum of chaotic maps with a long-range coupling mediated by a diffusing substance. <i>Nonlinear Dynamics</i> , 2017, 87, 1589-1601.	2.7	8
128	Recurrence-based analysis of barrier breakup in the standard nontwist map. <i>Chaos</i> , 2018, 28, 085717.	1.0	8
129	The role of dose density in combination cancer chemotherapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104918.	1.7	8
130	Bursting synchronization in neuronal assemblies of scale-free networks. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110395.	2.5	8
131	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111784.	2.5	8
132	Multiple short-term memories in coupled weakly nonlinear map lattices. <i>Physical Review E</i> , 2000, 61, 5990-5993.	0.8	7
133	Self-organized memories in coupled map lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 368, 387-398.	1.2	7
134	On a cellular automaton with time delay for modelling cancer tumors. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012015.	0.3	7
135	Divertor map with freedom of geometry and safety factor profile. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 045007.	0.9	7
136	Anomalous transport induced by nonhyperbolicity. <i>Physical Review E</i> , 2012, 86, 016216.	0.8	7
137	Delayed feedback control of phase synchronisation in a neuronal network model. <i>European Physical Journal: Special Topics</i> , 2018, 227, 1151-1160.	1.2	7
138	Efficient manifolds tracing for planar maps. <i>Chaos</i> , 2018, 28, 093106.	1.0	7
139	Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018, 28, 085701.	1.0	7
140	Non-twist field line mappings for tokamaks with reversed magnetic shear. <i>Brazilian Journal of Physics</i> , 2004, 34, 1759-1765.	0.7	6
141	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.	0.9	6
142	Escaping and transport barrier due to ergodic magnetic limiters in tokamaks with reversed magnetic shear. <i>Nuclear Fusion</i> , 2006, 46, S192-S198.	1.6	6
143	Extreme fractal structures in chaotic mechanical systems: riddled basins of attraction. <i>Journal of Physics: Conference Series</i> , 2010, 246, 012001.	0.3	6
144	Turing instability in oscillator chains with nonlocal coupling. <i>Physical Review E</i> , 2011, 83, 046220.	0.8	6

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145	Dynamical properties of the soft-wall elliptical billiard. <i>Physical Review E</i> , 2016, 94, 022218.	0.8	6
146	Inference of topology and the nature of synapses, and the flow of information in neuronal networks. <i>Physical Review E</i> , 2018, 97, 022303.	0.8	6
147	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.	0.7	6
148	Transport Barriers in Symplectic Maps. <i>Brazilian Journal of Physics</i> , 2021, 51, 899-909.	0.7	6
149	Onset of spatiotemporal chaos in a nonlinear system. <i>Physical Review E</i> , 2007, 75, 067202.	0.8	5
150	Clustering and diffusion in a symplectic map lattice with non-local coupling. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 2201-2215.	2.5	5
151	Transient chaotic transport in dissipative drift motion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1621-1626.	0.9	5
152	Quantifying coherence of chimera states in coupled chaotic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120869.	1.2	5
153	Suppression of chaotic bursting synchronization in clustered scale-free networks by an external feedback signal. <i>Chaos</i> , 2021, 31, 083128.	1.0	5
154	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
155	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.	1.2	4
156	Multistability and Self-Similarity in the Parameter-Space of a Vibro-Impact System. <i>Mathematical Problems in Engineering</i> , 2009, 2009, 1-11.	0.6	4
157	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.	1.2	4
158	Super persistent transient in a master-slave configuration with Colpitts oscillators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 405101.	0.7	4
159	Anisotropic MHD equilibria in symmetric systems. <i>Physics of Plasmas</i> , 2019, 26, 042502.	0.7	4
160	Reaction-Diffusion Equation with Stationary Wave Perturbation in Weakly Ionized Plasmas. <i>Brazilian Journal of Physics</i> , 2020, 50, 780-787.	0.7	4
161	An integro-differential equation for dynamical systems with diffusion-mediated coupling. <i>Nonlinear Dynamics</i> , 2020, 100, 3759-3770.	2.7	4
162	Spiral wave chimera states in regular and fractal neuronal networks. <i>Journal of Physics Complexity</i> , 2021, 2, 015006.	0.9	4

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163	Comment on a Hamiltonian representation for helically symmetric fields (plasma). Plasma Physics and Controlled Fusion, 1994, 36, 587-588.	0.9	3
164	Short-term memories in lattices of inductively coupled AC-driven circuits. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 410-420.	1.2	3
165	Effects of the resonant modes on the magnetic footprint patterns in a tokamak wall. Physics of Plasmas, 2006, 13, 052511.	0.7	3
166	Basins of attraction of nonlinear wave-wave interactions. Chaos, Solitons and Fractals, 2007, 32, 711-724.	2.5	3
167	Low-dimensional chaos and wave turbulence in plasmas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 609-620.	1.6	3
168	Characterizing electrostatic turbulence in tokamak plasmas with high MHD activity. Journal of Physics: Conference Series, 2010, 246, 012014.	0.3	3
169	Parametric evolution of unstable dimension variability in coupled piecewise-linear chaotic maps. Physical Review E, 2011, 83, 037201.	0.8	3
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