IberÃª L Caldas

List of Publications by Year
in descending order

307	3,590	159585 30	289244 40
papers	citations	h-index	g-index

308	308	308	1556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. Chaos, Solitons and Fractals, 2022, 155, 111784.	5.1	8
2	On the dynamical behaviour of a glucose-insulin model. Chaos, Solitons and Fractals, 2022, 155, 111753.	5.1	2
3	Dynamics of uncoupled and coupled neurons under an external pulsed current. Chaos, Solitons and Fractals, 2022, 155, 111734.	5.1	7
4	Measure, dimension, and complexity of the transient motion in Hamiltonian systems. Physica D: Nonlinear Phenomena, 2022, 431, 133126.	2.8	1
5	Unpredictability in Hamiltonian systems with a hierarchical phase space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 127991.	2.1	2
6	Large coefficient of variation of inter-spike intervals induced by noise current in the resonate-and-fire model neuron. Cognitive Neurodynamics, 2022, 16, 1461-1470.	4.0	5
7	Gradient-driven turbulence in Texas Helimak. Physics of Plasmas, 2022, 29, 042303.	1.9	1
8	Effect of two vaccine doses in the SEIR epidemic model using a stochastic cellular automaton. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127258.	2.6	13
9	Diffusion transitions in a 2D periodic lattice. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106525.	3.3	2
10	Transport barriers for two modes drift wave map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 128237.	2.1	0
11	Suprathermal corrections to Bohmâ€“Gross dispersion. Physics of Plasmas, 2022, 29, 052113.	1.9	2
12	Fractal Structures and Magnetic Footprints in a Divertor Tokamak. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	3
13	Bursting synchronization in neuronal assemblies of scale-free networks. Chaos, Solitons and Fractals, 2021, 142, 110395.	5.1	8
14	Dynamics of epidemics: Impact of easing restrictions and control of infection spread. Chaos, Solitons and Fractals, 2021, 142, 110431.	5.1	8
15	Curryâ€“Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. Chaos, 2021, 31, 023125.	2.5	10
16	Coexistence of turbulence regimes in the Texas Helimak. Physics of Plasmas, 2021, 28, .	1.9	2
17	Synchronization and attractors in a model simulating social jetlag. Chaos, Solitons and Fractals, 2021, 144, 110733.	5.1	0
18	Emergence of Neuronal Synchronisation in Coupled Areas. Frontiers in Computational Neuroscience, 2021, 15, 663408.	2.1	13

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19	The impact of chaotic saddles on the synchronization of complex networks of discrete-time units. Journal of Physics Complexity, 2021, 2, 035002.	2.2	8
20	Transport Barriers in Symplectic Maps. Brazilian Journal of Physics, 2021, 51, 899-909.	1.4	6
21	Concentration discontinuity of alkalies at high pressures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 395, 127207.	2.1	5
22	Sub-diffusive behavior in the Standard Map. European Physical Journal: Special Topics, 2021, 230, 2765-2773.	2.6	1
23	Slippery-sticky transition of interfacial fluid slip. Physics of Fluids, 2021, 33, .	4.0	4
24	Equation of State of the Kappa-Distributed Solar Wind Particles in the Earthâ€™s Magnetopause. Solar Physics, 2021, 296, 1.	2.5	5
25	Suppression of chaotic bursting synchronization in clustered scale-free networks by an external feedback signal. Chaos, 2021, 31, 083128.	2.5	5
26	Onset of internal transport barriers in tokamaks. Physics of Plasmas, 2021, 28, 082305.	1.9	9
27	Low-dimensional chaos in the single wave model for self-consistent waveâ€“particle Hamiltonian. Chaos, 2021, 31, 083104.	2.5	0
28	Growth and performance of the periodic orbits of a nonlinear driven oscillator. Chaos, Solitons and Fractals, 2021, 150, 111102.	5.1	0
29	Description limit for soliton waves due to critical scaling of electrostatic potential. Physics of Plasmas, 2021, 28, .	1.9	4
30	Mathematical model of brain tumour growth with drug resistance. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 106013.	3.3	14
31	Spiral wave chimera states in regular and fractal neuronal networks. Journal of Physics Complexity, 2021, 2, 015006.	2.2	4
32	An Upgraded 4 Meters Long Traveling Wave Tube for Plasma Physics Research. , 2021, , .		1
33	Influence of Delayed Conductance on Neuronal Synchronization. Frontiers in Physiology, 2020, 11, 1053.	2.8	13
34	Waveâ€“particle interactions in a long traveling wave tube with upgraded helix. Physics of Plasmas, 2020, 27, .	1.9	4
35	Order-chaos-order and invariant manifolds in the bounded planar Earthâ€“Moon system. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	1
36	Basin of attraction for chimera states in a network of RÃ¶ssler oscillators. Chaos, 2020, 30, 083115.	2.5	12

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37	Ratchet current in nontwist Hamiltonian systems. Chaos, 2020, 30, 093141.	2.5	3
38	Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. Frontiers in Systems Neuroscience, 2020, 14, 604563.	2.5	21
39	Transport of blood particles: Chaotic advection even in a healthy scenario. Chaos, 2020, 30, 093135.	2.5	3
40	Dynamical trapping in the area-preserving HÃ©non map. European Physical Journal: Special Topics, 2020, 229, 1507-1516.	2.6	2
41	Network properties of healthy and Alzheimer brains. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 124475.	2.6	14
42	Intermittency and Transport Barriers in Fluids and Plasmas. Advances in Dynamics, Patterns, Cognition, 2019, , 69-87.	0.3	0
43	Dragon-kings death in nonlinear wave interactions. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122296.	2.6	2
44	State-dependent vulnerability of synchronization. Physical Review E, 2019, 100, 052201.	2.1	11
45	Diffusion entropy analysis in billiard systems. Physical Review E, 2019, 100, 042207.	2.1	2
46	Dynamical thermalization in time-dependent billiards. Chaos, 2019, 29, 103122.	2.5	1
47	Statistical properties of intermittent bursts in the Texas Helimak. Physics of Plasmas, 2019, 26, 052301.	1.9	4
48	Using rotation number to detect sticky orbits in Hamiltonian systems. Chaos, 2019, 29, 043125.	2.5	11
49	Bistable Firing Pattern in a Neural Network Model. Frontiers in Computational Neuroscience, 2019, 13, 19.	2.1	28
50	Nonlinear dynamics and chaos in micro/nanoelectromechanical beam resonators actuated by two-sided electrodes. Chaos, Solitons and Fractals, 2019, 122, 6-16.	5.1	32
51	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. Chaos, 2019, 29, 043106.	2.5	21
52	Influence of the radial electric field on the shearless transport barriers in tokamaks. Physics of Plasmas, 2019, 26, .	1.9	7
53	Multiscale Approach to Fluid-Solid Interfaces. Polytechnica, 2019, 2, 77-86.	2.1	1
54	Fractal structures in the parameter space of nontwist area-preserving maps. Physical Review E, 2019, 100, 052207.	2.1	9

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55	Internal transport barriers in plasmas with reversed plasma flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1014-1019.	2.1	3
56	Burst temperature from conditional analysis in Texas Helimak and TCABR tokamak. Physics of Plasmas, 2018, 25, 042301.	1.9	3
57	Improving particle beam acceleration in plasmas. Physics of Plasmas, 2018, 25, 043110.	1.9	1
58	Inference of topology and the nature of synapses, and the flow of information in neuronal networks. Physical Review E, 2018, 97, 022303.	2.1	6
59	Symplectic Maps for Diverted Plasmas. IEEE Transactions on Plasma Science, 2018, 46, 2354-2361.	1.3	2
60	Statistical properties for an open oval billiard: An investigation of the escaping basins. Chaos, Solitons and Fractals, 2018, 106, 355-362.	5.1	7
61	A network of networks model to study phase synchronization using structural connection matrix of human brain. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 162-170.	2.6	20
62	Transition from normal to ballistic diffusion in a one-dimensional impact system. Physical Review E, 2018, 97, 032205.	2.1	4
63	Investigation of stickiness influence in the anomalous transport and diffusion for a non-dissipative Fermiâ€“Ulam model. Communications in Nonlinear Science and Numerical Simulation, 2018, 55, 225-236.	3.3	4
64	How synapses can enhance sensibility of a neural network. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1045-1052.	2.6	0
65	Alterations in brain connectivity due to plasticity and synaptic delay. European Physical Journal: Special Topics, 2018, 227, 673-682.	2.6	12
66	Delayed feedback control of phase synchronisation in a neuronal network model. European Physical Journal: Special Topics, 2018, 227, 1151-1160.	2.6	7
67	Plasma Response to Resonant Perturbations at Tokamak Edge. Brazilian Journal of Physics, 2018, 48, 426-432.	1.4	0
68	Recurrence-based analysis of barrier breakup in the standard nontwist map. Chaos, 2018, 28, 085717.	2.5	8
69	Efficient manifolds tracing for planar maps. Chaos, 2018, 28, 093106.	2.5	7
70	Boundaries of synchronization in oscillator networks. Physical Review E, 2018, 98, .	2.1	10
71	Ensemble separation and stickiness influence in a driven stadium-like billiard: A Lyapunov exponents analysis. Communications in Nonlinear Science and Numerical Simulation, 2018, 65, 248-259.	3.3	5
72	Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1110-1119.	2.6	16

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73	Synchronous behaviour in network model based on human cortico-cortical connections. Physiological Measurement, 2018, 39, 074006.	2.1	21
74	Explaining a changeover from normal to super diffusion in time-dependent billiards. Europhysics Letters, 2018, 121, 60003.	2.0	1
75	Recurrence quantification analysis for the identification of burst phase synchronisation. Chaos, 2018, 28, 085701.	2.5	7
76	Riddling: Chimeraâ€™s dilemma. Chaos, 2018, 28, 081105.	2.5	17
77	Spike timing-dependent plasticity induces non-trivial topology in the brain. Neural Networks, 2017, 88, 58-64.	5.9	36
78	Shaping Diverted Plasmas With Symplectic Maps. IEEE Transactions on Plasma Science, 2017, 45, 356-363.	1.3	2
79	Trapping Phenomenon Attenuates the Consequences of Tipping Points for Limit Cycles. Scientific Reports, 2017, 7, 42351.	3.3	33
80	Chimera-like states in a neuronal network model of the cat brain. Chaos, Solitons and Fractals, 2017, 101, 86-91.	5.1	64
81	Sensitive dependence on parameters of continuous-time nonlinear dynamical systems. Chaos, Solitons and Fractals, 2017, 99, 16-19.	5.1	1
82	Beatification: Flattening the Poisson bracket for two-dimensional fluid and plasma theories. Physics of Plasmas, 2017, 24, 032102.	1.9	1
83	Magnetohydrostatic Equilibrium with External Gravitational Fields in Symmetric Systems. Brazilian Journal of Physics, 2017, 47, 55-64.	1.4	0
84	Synchronised firing patterns in a random network of adaptive exponential integrate-and-fire neuron model. Neural Networks, 2017, 90, 1-7.	5.9	31
85	Modeling non-stationary, non-axisymmetric heat patterns in DIII-D tokamak. Nuclear Fusion, 2017, 57, 016017.	3.5	8
86	Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. Chaos, Solitons and Fractals, 2017, 104, 588-598.	5.1	8
87	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. Brazilian Journal of Physics, 2017, 47, 678-688.	1.4	13
88	Plasma Response to Resonant Magnetic Perturbations in Large Aspect Ratio Tokamaks. IEEE Transactions on Plasma Science, 2017, 45, 2906-2912.	1.3	5
89	Characterization in bi-parameter space of a non-ideal oscillator. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 224-231.	2.6	20
90	Fractal structures in the chaotic motion of charged particles in a magnetized plasma under the influence of drift waves. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 681-694.	2.6	15

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91	Fractal boundaries in chaotic hamiltonian systems. Journal of Physics: Conference Series, 2017, 911, 012002.	0.4	0
92	SÃntese das Leis de Kepler. Revista Brasileira De Ensino De Fisica, 2017, 40, .	0.2	0
93	Deterministic Chaos Theory: Basic Concepts. Revista Brasileira De Ensino De Fisica, 2016, 39, .	0.2	7
94	Suppression of phase synchronisation in network based on cat's brain. Chaos, 2016, 26, 043107.	2.5	19
95	A statistical study of gyro-averaging effects in a reduced model of drift-wave transport. Physics of Plasmas, 2016, 23, 082308.	1.9	1
96	Transient chaotic transport in dissipative drift motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1621-1626.	2.1	5
97	Unstable dimension variability structure in the parameter space of coupled HÃ©non maps. Applied Mathematics and Computation, 2016, 286, 23-28.	2.2	6
98	Burst propagation in Texas Helimak. Plasma Physics and Controlled Fusion, 2016, 58, 054007.	2.1	4
99	Drift-wave transport in the velocity shear layer. Physics of Plasmas, 2016, 23, 072504.	1.9	3
100	Shearless bifurcation on symplectic maps of magnetic field lines in tokamaks with reversed current. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2416-2421.	2.1	3
101	A method for Hamiltonian truncation: a four-wave example. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 165501.	2.1	5
102	Effects of the spike timing-dependent plasticity on the synchronisation in a random Hodgkinâ€“Huxley neuronal network. Communications in Nonlinear Science and Numerical Simulation, 2016, 34, 12-22.	3.3	42
103	Recurrence Analysis of Turbulent Fluctuations in Magnetically Confined Plasmas. Springer Proceedings in Physics, 2016, , 341-353.	0.2	2
104	Hidden High Period Accelerator Modes in a Bouncer Model. Springer Proceedings in Physics, 2016, , 179-191.	0.2	0
105	Global ballistic acceleration in a bouncing-ball model. Physical Review E, 2015, 92, 012905.	2.1	8
106	On the statistical and transport properties of a non-dissipative Fermi-Ulam model. Chaos, 2015, 25, 103107.	2.5	8
107	On Slaterâ€™s criterion for the breakup of invariant curves. Physica D: Nonlinear Phenomena, 2015, 308, 34-39.	2.8	10
108	Particle transport induced by electrostatic wave fluctuations. Journal of Physics: Conference Series, 2015, 641, 012006.	0.4	0

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109	Multiple island chains in wave-particle interactions. Journal of Physics: Conference Series, 2015, 641, 012003.	0.4	1
110	SincronizaÃ§Ã£o de disparos em redes neuronais com plasticidade sinÃ¡ptica. Revista Brasileira De Ensino De Fisica, 2015, 37, 2310-1-2310-9.	0.2	2
111	Impact of punctual flat magnetic shear on the field line transport. Physics of Plasmas, 2015, 22, 062510.	1.9	0
112	Efeito de um termo dissipativo no sistema hamiltoniano de ondas de deriva. Revista Brasileira De Ensino De Fisica, 2015, 37, 2308-1-2308-8.	0.2	0
113	Report on recent results obtained in TCABR. Journal of Physics: Conference Series, 2015, 591, 012001.	0.4	3
114	Recurrence quantification analysis of chimera states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2188-2192.	2.1	29
115	Crises in a dissipative bouncing ball model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2830-2838.	2.1	15
116	Dynamical Effects in Confined Plasma Turbulence. Brazilian Journal of Physics, 2014, 44, 903-913.	1.4	0
117	A semi-analytical solver for the Grad-Shafranov equation. Physics of Plasmas, 2014, 21, 112501.	1.9	4
118	Electrostatic turbulence intermittence driven by biasing in Texas Helimak. Physics of Plasmas, 2014, 21, 122302.	1.9	10
119	Area-preserving maps models of gyroaveraged EÃ—B chaotic transport. Physics of Plasmas, 2014, 21, 092310.	1.9	8
120	Delineating the magnetic field line escape pattern and stickiness in a poloidally diverted tokamak. Physics of Plasmas, 2014, 21, 082506.	1.9	3
121	Super persistent transient in a masterâ€“slave configuration with Colpitts oscillators. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 405101.	2.1	4
122	Dynamic range in a neuron network with electrical and chemical synapses. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 164-172.	3.3	17
123	Magnetic Field Line Stickiness in Tokamaks. IEEE Transactions on Plasma Science, 2014, 42, 2764-2765.	1.3	3
124	Onset of shearless magnetic surfaces in tokamaks. Nuclear Fusion, 2014, 54, 064010.	3.5	6
125	Phase space properties and chaotic transport for a particle moving in a time dependent step potential well. Applied Mathematics and Computation, 2014, 236, 215-228.	2.2	2
126	Separation of particles leading either to decay or unlimited growth of energy in a driven stadium-like billiard. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 365101.	2.1	6

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127	Influence of the electric and magnetic shears on tokamak transport. Nuclear Fusion, 2014, 54, 064001.	3.5	7
128	Dynamical properties for an ensemble of classical particles moving in a driven potential well with different time perturbation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1814-1821.	2.1	1
129	Chaotic particle heating due to an obliquely propagating wave in a magnetized plasma. Physical Review E, 2013, 88, 013101.	2.1	2
130	Alternate islands of multiple isochronous chains in wave-particle interactions. Physical Review E, 2013, 88, 064901.	2.1	7
131	Torsion-adding and asymptotic winding number for periodic window sequences. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 628-631.	2.1	25
132	Finite-time rotation number: A fast indicator for chaotic dynamical structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 452-456.	2.1	20
133	Magnetic topology and current channels in plasmas with toroidal current density inversions. Physics of Plasmas, 2013, 20, 102512.	1.9	2
134	Analysis of the influence of external biasing on Texas Helimak turbulence. Physics of Plasmas, 2013, 20, .	1.9	12
135	Set of wires to simulate tokamaks with poloidal divertor. Journal of Plasma Physics, 2013, 79, 751-757.	2.1	3
136	Turbulence driven particle transport in Texas Helimak. Physics of Plasmas, 2012, 19, .	1.9	13
137	Long-distance correlations in TCABR biasing experiments. Nuclear Fusion, 2012, 52, 063004.	3.5	12
138	Shearless transport barriers in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124035.	2.1	19
139	Decay of energy and suppression of Fermi acceleration in a dissipative driven stadium-like billiard. Chaos, 2012, 22, 026122.	2.5	7
140	Stickiness in a bouncer model: A slowing mechanism for Fermi acceleration. Physical Review E, 2012, 86, 036203.	2.1	35
141	SYNCHRONIZATION OF CHAOS AND THE TRANSITION TO WAVE TURBULENCE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250234.	1.7	1
142	Divertor map with freedom of geometry and safety factor profile. Plasma Physics and Controlled Fusion, 2012, 54, 045007.	2.1	7
143	Transport barriers in plasmas. Journal of Physics: Conference Series, 2012, 370, 012001.	0.4	0
144	Robust tori-like Lagrangian coherent structures. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6611-6616.	2.6	1

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145	Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. Nonlinear Dynamics, 2012, 70, 401-407.	5.2	8
146	Controlling chaos in wave-particle interactions. Physical Review E, 2012, 86, 016217.	2.1	6
147	Effective transport barriers in nontwist systems. Physical Review E, 2012, 86, 036206.	2.1	29
148	Secondary nontwist phenomena in area-preserving maps. Chaos, 2012, 22, 033142.	2.5	4
149	Dynamical analysis of turbulence in fusion plasmas and nonlinear waves. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4690-4699.	3.3	3
150	Nontwist symplectic maps in tokamaks. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2021-2030.	3.3	13
151	The influence of connectivity on the firing rate in a neuronal network with electrical and chemical synapses. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 819-827.	2.6	6
152	Self-organized criticality in MHD driven plasma edge turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 753-757.	2.1	7
153	Self-similarities of periodic structures for a discrete model of a two-gene system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1290-1294.	2.1	61
154	Labyrinthic standard non-twist map. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 045102.	2.1	13
155	Radial dependence of self-organized criticality behavior in TCABR tokamak. Journal of Physics: Conference Series, 2011, 285, 012004.	0.4	0
156	Evidence of transport barrier in TCABR tokamak with high MHD activity. Journal of Physics: Conference Series, 2011, 285, 012010.	0.4	0
157	Blocking Radial Diffusion in a Double-Waved Hamiltonian Model. Journal of Physics: Conference Series, 2011, 285, 012011.	0.4	0
158	On a cellular automaton with time delay for modelling cancer tumors. Journal of Physics: Conference Series, 2011, 285, 012015.	0.4	7
159	Magnetic Field Line Escape: Comparison with Mean Free Path. Journal of Physics: Conference Series, 2011, 285, 012012.	0.4	1
160	Collisional effects in the tokamap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 376, 24-30.	2.1	11
161	Replicate periodic windows in the parameter space of driven oscillators. Chaos, Solitons and Fractals, 2011, 44, 982-989.	5.1	28
162	Analytical solutions for Tokamak equilibria with reversed toroidal current. Physics of Plasmas, 2011, 18, 082508.	1.9	9

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163	Blowout bifurcation and spatial mode excitation in the bubbling transition to turbulence. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 365-373.	2.6	4
164	Plasma confinement in tokamaks with robust torus. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 957-962.	2.6	8
165	Fractal structures in nonlinear plasma physics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 371-395.	3.4	50
166	Characterizing electrostatic turbulence in tokamak plasmas with high MHD activity. Journal of Physics: Conference Series, 2010, 246, 012014.	0.4	3
167	Effect of robust torus on the dynamical transport. Journal of Physics: Conference Series, 2010, 246, 012005.	0.4	1
168	Periodic window arising in the parameter space of an impact oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2628-2635.	2.1	33
169	Robust tori in a double-waved Hamiltonian model. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5511-5514.	2.6	2
170	Integrable maps with non-trivial topology: application to divertor configurations. Nuclear Fusion, 2010, 50, 034003.	3.5	7
171	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage AlfvÃ©n BrÃ©silien tokamak. Physics of Plasmas, 2010, 17, 012303.	1.9	15
172	The non-twist standard map with robust tori. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 175501.	2.1	12
173	Multistability and Self-Similarity in the Parameter-Space of a Vibro-Impact System. Mathematical Problems in Engineering, 2009, 2009, 1-11.	1.1	4
174	Bicoherence in electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage AlfvÃ©n BrÃ©silien. Physics of Plasmas, 2009, 16, 042508.	1.9	14
175	Clustering and diffusion in a symplectic map lattice with non-local coupling. Chaos, Solitons and Fractals, 2009, 41, 2201-2215.	5.1	5
176	Bubbling transition to spatial mode excitation in an extended dynamical system. Physica D: Nonlinear Phenomena, 2009, 238, 516-525.	2.8	6
177	Fuzzy computational control for real Chua circuit. Chaos, Solitons and Fractals, 2009, 39, 2169-2178.	5.1	0
178	A scenario for torus T2 destruction via a global bifurcation. Chaos, Solitons and Fractals, 2009, 39, 2198-2210.	5.1	5
179	Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. Computer Physics Communications, 2009, 180, 642-650.	7.5	9
180	Transport properties in nontwist area-preserving maps. Chaos, 2009, 19, 043108.	2.5	55

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181	Recurrence quantification analysis of electrostatic fluctuations in fusion plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1088-1095.	2.1	22
182	Suppressing grazing chaos in impacting system by structural nonlinearity. Chaos, Solitons and Fractals, 2008, 38, 864-869.	5.1	29
183	Tokamak magnetic field lines described by simple maps. European Physical Journal: Special Topics, 2008, 165, 195-210.	2.6	47
184	Chaotic transport in reversed shear tokamaks. Nuclear Fusion, 2008, 48, 024018.	3.5	17
185	Low-dimensional chaos and wave turbulence in plasmas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 609-620.	3.4	3
186	Escape patterns of chaotic magnetic field lines in a tokamak with reversed magnetic shear and an ergodic limiter. Physics of Plasmas, 2008, 15, 092310.	1.9	32
187	Reduction of chaotic particle transport driven by drift waves in sheared flows. Physics of Plasmas, 2008, 15, .	1.9	34
188	Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage AlfvÃ©n BrÃ©silien. Physics of Plasmas, 2008, 15, 062501.	1.9	12
189	Experimental observation of a complex periodic window. Physical Review E, 2008, 77, 037202.	2.1	35
190	Finite-size particles, advection, and chaos: A collective phenomenon of intermittent bursting. Physical Review E, 2008, 78, 056206.	2.1	5
191	Publisher's Note: Finite-size particles, advection, and chaos: A collective phenomenon of intermittent bursting [Phys. Rev. E78, 056206 (2008)]. Physical Review E, 2008, 78, .	2.1	0
192	Multifractality in plasma edge electrostatic turbulence. Physics of Plasmas, 2008, 15, 082311.	1.9	16
193	DIFFUSIVE TRANSPORT THROUGH A NONTWIST BARRIER IN TOKAMAKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1589-1598.	1.7	19
194	FRACTAL AND WADA EXIT BASIN BOUNDARIES IN TOKAMAKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4067-4079.	1.7	26
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