

IberÃ L Caldas

List of Publications by Year in descending order

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307
papers

3,590
citations

159585

30
h-index

289244

40
g-index

308
all docs

308
docs citations

308
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of Lyapunov exponents in systems with impacts. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 569-579.	5.1	87
2	Impact dampers for controlling chaos in systems with limited power supply. <i>Journal of Sound and Vibration</i> , 2005, 279, 955-967.	3.9	66
3	Chimera-like states in a neuronal network model of the cat brain. <i>Chaos, Solitons and Fractals</i> , 2017, 101, 86-91.	5.1	64
4	Self-similarities of periodic structures for a discrete model of a two-gene system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1290-1294.	2.1	61
5	Transport properties in nontwist area-preserving maps. <i>Chaos</i> , 2009, 19, 043108.	2.5	55
6	Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. <i>Physics of Plasmas</i> , 2002, 9, 4917-4928.	1.9	54
7	Controlling chaotic orbits in mechanical systems with impacts. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 171-178.	5.1	54
8	Recurrence time statistics for finite size intervals. <i>Chaos</i> , 2004, 14, 975-981.	2.5	53
9	Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 371-395.	3.4	50
10	Dimerized island chains in tokamaks. <i>Chaos, Solitons and Fractals</i> , 1995, 5, 15-23.	5.1	47
11	Damping control law for a chaotic impact oscillator. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 745-750.	5.1	47
12	Tokamak magnetic field lines described by simple maps. <i>European Physical Journal: Special Topics</i> , 2008, 165, 195-210.	2.6	47
13	Scrape-off layer intermittency in the Castor tokamak. <i>Physics of Plasmas</i> , 1999, 6, 846-853.	1.9	44
14	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.	3.3	42
15	A symplectic mapping for the ergodic magnetic limiter and its dynamical analysis. <i>Chaos, Solitons and Fractals</i> , 2000, 11, 2129-2140.	5.1	39
16	Basins of Attraction and Transient Chaos in a Gear-Rattling Model. <i>JVC/Journal of Vibration and Control</i> , 2001, 7, 849-862.	2.6	39
17	Phase synchronization in the perturbed Chua circuit. <i>Physical Review E</i> , 2003, 67, 056212.	2.1	37
18	Suppression and excitation of MHD activity with an electrically polarized electrode at the TCABR tokamak plasma edge. <i>Nuclear Fusion</i> , 2007, 47, 1570-1576.	3.5	36

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19	Spike timing-dependent plasticity induces non-trivial topology in the brain. <i>Neural Networks</i> , 2017, 88, 58-64.	5.9	36
20	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.	5.1	35
21	Basins of attraction changes by amplitude constraining of oscillators with limited power supply. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1211-1220.	5.1	35
22	Experimental observation of a complex periodic window. <i>Physical Review E</i> , 2008, 77, 037202.	2.1	35
23	Stickiness in a bouncer model: A slowing mechanism for Fermi acceleration. <i>Physical Review E</i> , 2012, 86, 036203.	2.1	35
24	The structure of chaotic magnetic field lines in a tokamak with external nonsymmetric magnetic perturbations. <i>IEEE Transactions on Plasma Science</i> , 2001, 29, 617-631.	1.3	34
25	Reduction of chaotic particle transport driven by drift waves in sheared flows. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	34
26	Periodic window arising in the parameter space of an impact oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2628-2635.	2.1	33
27	Trapping Phenomenon Attenuates the Consequences of Tipping Points for Limit Cycles. <i>Scientific Reports</i> , 2017, 7, 42351.	3.3	33
28	Magnetic and electrostatic fluctuations in the CASTOR tokamak. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, A577-A585.	2.1	32
29	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.	1.9	32
30	Nonlinear dynamics and chaos in micro/nanoelectromechanical beam resonators actuated by two-sided electrodes. <i>Chaos, Solitons and Fractals</i> , 2019, 122, 6-16.	5.1	32
31	Synchronised firing patterns in a random network of adaptive exponential integrate-and-fire neuron model. <i>Neural Networks</i> , 2017, 90, 1-7.	5.9	31
32	Magnetic trapping caused by resonant perturbations in tokamaks with reversed magnetic shear. <i>Physics of Plasmas</i> , 2004, 11, 214-225.	1.9	30
33	Noise-induced basin hopping in a vibro-impact system. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 758-767.	5.1	30
34	Suppressing grazing chaos in impacting system by structural nonlinearity. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 864-869.	5.1	29
35	Effective transport barriers in nontwist systems. <i>Physical Review E</i> , 2012, 86, 036206.	2.1	29
36	Recurrence quantification analysis of chimera states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2188-2192.	2.1	29

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37	Field line diffusion and loss in a tokamak with an ergodic magnetic limiter. <i>Physics of Plasmas</i> , 2001, 8, 2855-2865.	1.9	28
38	Replicate periodic windows in the parameter space of driven oscillators. <i>Chaos, Solitons and Fractals</i> , 2011, 44, 982-989.	5.1	28
39	Bistable Firing Pattern in a Neural Network Model. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 19.	2.1	28
40	Disruptive instabilities in the discharges of the TBR-1 small Tokamak. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 147-156.	2.1	27
41	Toroidal plasma equilibrium with arbitrary current distribution. <i>Journal of Plasma Physics</i> , 1990, 44, 303-311.	2.1	26
42	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.	1.7	26
43	Dynamics of the two-frequency torus breakdown in the driven double scroll circuit. <i>Physical Review E</i> , 1998, 58, 4413-4420.	2.1	25
44	Torsion-adding and asymptotic winding number for periodic window sequences. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 628-631.	2.1	25
45	Magnetic field line mappings for a tokamak with ergodic limiters. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 991-1010.	5.1	24
46	Control of chaotic magnetic fields in tokamaks. <i>Brazilian Journal of Physics</i> , 2002, 32, 980.	1.4	24
47	Dynamics of the kicked logistic map. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 325-336.	5.1	22
48	Homoclinic orbits in a piecewise system and their relation with invariant sets. <i>Physica D: Nonlinear Phenomena</i> , 2003, 186, 133-147.	2.8	22
49	Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. <i>Physics of Plasmas</i> , 2006, 13, 042510.	1.9	22
50	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.	2.1	22
51	Nonmodal energetics of resistive drift waves. <i>Physical Review E</i> , 1998, 58, 3693-3704.	2.1	21
52	Synchronous behaviour in network model based on human cortico-cortical connections. <i>Physiological Measurement</i> , 2018, 39, 074006.	2.1	21
53	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. <i>Chaos</i> , 2019, 29, 043106.	2.5	21
54	Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 604563.	2.5	21

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55	Toroidal Helical Fields. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1987, 42, 1124-1132.	1.5	20
56	Dynamics of vibrating systems with tuned liquid column dampers and limited power supply. Journal of Sound and Vibration, 2006, 289, 987-998.	3.9	20
57	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
58	Characterization in bi-parameter space of a non-ideal oscillator. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 224-231.	2.6	20
59	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
60	Basic structures of the Shilnikov homoclinic bifurcation scenario. Chaos, 2005, 15, 033112.	2.5	19
61	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
62	Shearless transport barriers in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124035.	2.1	19
63	Suppression of phase synchronisation in network based on cat's brain. Chaos, 2016, 26, 043107.	2.5	19
64	Non-transitive maps in phase synchronization. Physica D: Nonlinear Phenomena, 2005, 212, 216-232.	2.8	18
65	Chaotic transport in reversed shear tokamaks. Nuclear Fusion, 2008, 48, 024018.	3.5	17
66	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
67	Riddling: Chimera's dilemma. Chaos, 2018, 28, 081105.	2.5	17
68	Analysis of Regular and Irregular Dynamics of a Non Ideal Gear Rattling Problem. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2002, 24, 111-114.	0.1	17
69	Temperature fluctuations and plasma edge turbulence in the Brazilian tokamak TBR. Physics of Plasmas, 1996, 3, 971-977.	1.9	16
70	Type-II intermittency in the driven Double Scroll Circuit. Physica D: Nonlinear Phenomena, 1999, 132, 325-338.	2.8	16
71	Experimental analysis of mode coupling and plasma turbulence induced by magnetic fields. Physics of Plasmas, 2000, 7, 3567-3572.	1.9	16
72	A simple feedback control for a chaotic oscillator with limited power supply. Journal of Sound and Vibration, 2007, 299, 664-671.	3.9	16

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73	Multifractality in plasma edge electrostatic turbulence. <i>Physics of Plasmas</i> , 2008, 15, 082311.	1.9	16
74	Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 1110-1119.	2.6	16
75	The destruction of magnetic surfaces by resonant helical windings. <i>Plasma Physics and Controlled Fusion</i> , 1988, 30, 1203-1211.	2.1	15
76	Edge turbulence spectrum alterations driven by resonant fields. <i>Nuclear Fusion</i> , 1995, 35, 59-67.	3.5	15
77	Recurrence in plasma edge turbulence. <i>Physics of Plasmas</i> , 2001, 8, 4455-4462.	1.9	15
78	Title is missing!. <i>Nonlinear Dynamics</i> , 2002, 27, 185-195.	5.2	15
79	Noise-induced basin hopping in a gearbox model. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 1523-1531.	5.1	15
80	Recurrence quantification analysis of turbulent fluctuations in the plasma edge of Tokamak Chauffage Alfvén Brésilien tokamak. <i>Physics of Plasmas</i> , 2010, 17, 012303.	1.9	15
81	Crises in a dissipative bouncing ball model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2830-2838.	2.1	15
82	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.	2.6	15
83	Chaotic magnetic field lines in tokamaks with ergodic limiters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 317, 411-431.	2.6	14
84	Turbulence and transport in the scrape-off layer TCABR tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, 669-679.	2.1	14
85	Bicoherence in electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. <i>Physics of Plasmas</i> , 2009, 16, 042508.	1.9	14
86	Network properties of healthy and Alzheimer brains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 124475.	2.6	14
87	Mathematical model of brain tumour growth with drug resistance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 106013.	3.3	14
88	Teaching relativity with a different philosophy. <i>American Journal of Physics</i> , 1978, 46, 1258-1262.	0.7	13
89	Influence of resonant helical windings on the mirnov oscillations in a small tokamak. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1988, 10, 1193-1198.	0.4	13
90	Peripheral Stochasticity in Tokamaks.The Martin-Taylor Revisited. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1992, 47, 941-944.	1.5	13

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91	Interior crises in a dripping faucet experiment. <i>Physical Review E</i> , 1998, 58, 4009-4011.	2.1	13
92	Stock market dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 312, 539-564.	2.6	13
93	Labyrinthine standard non-twist map. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 045102.	2.1	13
94	Turbulence driven particle transport in Texas Helimak. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	13
95	Nontwist symplectic maps in tokamaks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 2021-2030.	3.3	13
96	Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. <i>Brazilian Journal of Physics</i> , 2017, 47, 678-688.	1.4	13
97	Influence of Delayed Conductance on Neuronal Synchronization. <i>Frontiers in Physiology</i> , 2020, 11, 1053.	2.8	13
98	Emergence of Neuronal Synchronisation in Coupled Areas. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 663408.	2.1	13
99	Effect of two vaccine doses in the SEIR epidemic model using a stochastic cellular automaton. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127258.	2.6	13
100	Hamiltonian Formulation of Two-Dimensional Gyroviscous MHD. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1984, 39, 1023-1027.	1.5	12
101	Mirnov Oscillations in a Small Tokamak. <i>IEEE Transactions on Plasma Science</i> , 1986, 14, 279-281.	1.3	12
102	Phase-Locking and Bifurcations of the Sinusoidally-Driven Double Scroll Circuit. <i>Nonlinear Dynamics</i> , 1998, 17, 119-139.	5.2	12
103	Coupled Biological Oscillators in a Cave Insect. <i>Journal of Theoretical Biology</i> , 2000, 206, 515-524.	1.7	12
104	Bifurcations and onset of chaos on the ergodic magnetic limiter mapping. <i>Chaos, Solitons and Fractals</i> , 2002, 14, 403-423.	5.1	12
105	Transport barrier created by dimerized islands. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 363-369.	2.6	12
106	Shilnikov homoclinic orbit bifurcations in the Chua's circuit. <i>Chaos</i> , 2006, 16, 043119.	2.5	12
107	Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. <i>Physics of Plasmas</i> , 2008, 15, 062501.	1.9	12
108	The non-twist standard map with robust tori. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 175501.	2.1	12

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109	Long-distance correlations in TCABR biasing experiments. Nuclear Fusion, 2012, 52, 063004.	3.5	12
110	Analysis of the influence of external biasing on Texas Helimak turbulence. Physics of Plasmas, 2013, 20, .	1.9	12
111	Alterations in brain connectivity due to plasticity and synaptic delay. European Physical Journal: Special Topics, 2018, 227, 673-682.	2.6	12
112	Basin of attraction for chimera states in a network of Rössler oscillators. Chaos, 2020, 30, 083115.	2.5	12
113	Correlation between Plasma Edge Electrostatic and Magnetic Oscillations in the Brazilian Tokamak TBR. Journal of the Physical Society of Japan, 1997, 66, 3453-3460.	1.6	11
114	Minimizing chaos during the reconnection process. Chaos, Solitons and Fractals, 1997, 8, 1891-1900.	5.1	11
115	On the stock market recurrence. Physica A: Statistical Mechanics and Its Applications, 2000, 284, 348-354.	2.6	11
116	Collisional effects in the tokamak. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 376, 24-30.	2.1	11
117	State-dependent vulnerability of synchronization. Physical Review E, 2019, 100, 052201.	2.1	11
118	Using rotation number to detect sticky orbits in Hamiltonian systems. Chaos, 2019, 29, 043125.	2.5	11
119	Observation of disruptions in tokamak plasma under the influence of resonant helical magnetic fields. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1996, 18, 807-821.	0.4	10
120	Stabilizing periodic orbits in a chaotic semiconductor laser. Chaos, Solitons and Fractals, 2003, 15, 327-341.	5.1	10
121	Electrostatic turbulence intermittence driven by biasing in Texas Helimak. Physics of Plasmas, 2014, 21, 122302.	1.9	10
122	On Slater's criterion for the breakup of invariant curves. Physica D: Nonlinear Phenomena, 2015, 308, 34-39.	2.8	10
123	Boundaries of synchronization in oscillator networks. Physical Review E, 2018, 98, .	2.1	10
124	Curry's-Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. Chaos, 2021, 31, 023125.	2.5	10
125	Ergodic magnetic limiter for the TCABR. Brazilian Journal of Physics, 2002, 32, .	1.4	10
126	Tokamak research at University of São Paulo. Journal of Fusion Energy, 1993, 12, 295-302.	1.2	9

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127	Periodic driving of plasma turbulence. <i>Physics of Plasmas</i> , 2003, 10, 1283-1290.	1.9	9
128	Scrape-off layer turbulence modulated by Mirnov oscillations. <i>European Physical Journal D</i> , 2005, 55, 265-270.	0.4	9
129	Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. <i>Computer Physics Communications</i> , 2009, 180, 642-650.	7.5	9
130	Analytical solutions for Tokamak equilibria with reversed toroidal current. <i>Physics of Plasmas</i> , 2011, 18, 082508.	1.9	9
131	Fractal structures in the parameter space of nontwist area-preserving maps. <i>Physical Review E</i> , 2019, 100, 052207.	2.1	9
132	Onset of internal transport barriers in tokamaks. <i>Physics of Plasmas</i> , 2021, 28, 082305.	1.9	9
133	Comments on the magnetic field generated by an infinite current grid. <i>European Journal of Physics</i> , 1991, 12, 293-296.	0.6	8
134	Time-resolved analysis of Mirnov oscillations. <i>Review of Scientific Instruments</i> , 1992, 63, 3710-3715.	1.3	8
135	Magnetic structure of toroidal helical fields in tokamaks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 193, 89-93.	2.1	8
136	Transitions in the parameter space of a periodically forced dissipative system. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 1913-1921.	5.1	8
137	The Parameter Space Structure of the Kicked Logistic Map and Its Stability. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997, 07, 447-457.	1.7	8
138	Low-dimensional dynamics in observables from complex and higher-dimensional systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 91-99.	2.6	8
139	Driving trajectories in chaotic scattering. <i>Physical Review E</i> , 2002, 65, 026215.	2.1	8
140	Plasma confinement in tokamaks with robust torus. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 957-962.	2.6	8
141	Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. <i>Nonlinear Dynamics</i> , 2012, 70, 401-407.	5.2	8
142	Area-preserving maps models of gyroaveraged $E \times B$ chaotic transport. <i>Physics of Plasmas</i> , 2014, 21, 092310.	1.9	8
143	Global ballistic acceleration in a bouncing-ball model. <i>Physical Review E</i> , 2015, 92, 012905.	2.1	8
144	On the statistical and transport properties of a non-dissipative Fermi-Ulam model. <i>Chaos</i> , 2015, 25, 103107.	2.5	8

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145	Modeling non-stationary, non-axisymmetric heat patterns in DIII-D tokamak. Nuclear Fusion, 2017, 57, 016017.	3.5	8
146	Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. Chaos, Solitons and Fractals, 2017, 104, 588-598.	5.1	8
147	Recurrence-based analysis of barrier breakup in the standard nontwist map. Chaos, 2018, 28, 085717.	2.5	8
148	Bursting synchronization in neuronal assemblies of scale-free networks. Chaos, Solitons and Fractals, 2021, 142, 110395.	5.1	8
149	Dynamics of epidemics: Impact of easing restrictions and control of infection spread. Chaos, Solitons and Fractals, 2021, 142, 110431.	5.1	8
150	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
151	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. Chaos, Solitons and Fractals, 2022, 155, 111784.	5.1	8
152	Application of the two-fluid energy principle to large aspect ratio Tokamaks. Plasma Physics, 1978, 20, 1299-1305.	0.9	7
153	Nonmodal energetics of electromagnetic drift waves. Physics of Plasmas, 2000, 7, 2849-2855.	1.9	7
154	Tokamak turbulence at the scrape-off layer in TCABR with an ergodic magnetic limiter. Journal of Plasma Physics, 2007, 73, 295-306.	2.1	7
155	Integrable maps with non-trivial topology: application to divertor configurations. Nuclear Fusion, 2010, 50, 034003.	3.5	7
156	On a cellular automaton with time delay for modelling cancer tumors. Journal of Physics: Conference Series, 2011, 285, 012015.	0.4	7
157	Decay of energy and suppression of Fermi acceleration in a dissipative driven stadium-like billiard. Chaos, 2012, 22, 026122.	2.5	7
158	Divertor map with freedom of geometry and safety factor profile. Plasma Physics and Controlled Fusion, 2012, 54, 045007.	2.1	7
159	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
160	Alternate islands of multiple isochronous chains in wave-particle interactions. Physical Review E, 2013, 88, 064901.	2.1	7
161	Influence of the electric and magnetic shears on tokamak transport. Nuclear Fusion, 2014, 54, 064001.	3.5	7
162	Deterministic Chaos Theory: Basic Concepts. Revista Brasileira De Ensino De Fisica, 2016, 39, .	0.2	7

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163	Statistical properties for an open oval billiard: An investigation of the escaping basins. <i>Chaos, Solitons and Fractals</i> , 2018, 106, 355-362.	5.1	7
164	Delayed feedback control of phase synchronisation in a neuronal network model. <i>European Physical Journal: Special Topics</i> , 2018, 227, 1151-1160.	2.6	7
165	Efficient manifolds tracing for planar maps. <i>Chaos</i> , 2018, 28, 093106.	2.5	7
166	Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018, 28, 085701.	2.5	7
167	Influence of the radial electric field on the shearless transport barriers in tokamaks. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	7
168	Dynamics of uncoupled and coupled neurons under an external pulsed current. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111734.	5.1	7
169	Onset of symmetric plasma turbulence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 150-162.	2.6	6
170	Dealing with final state sensitivity for synchronous communication. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 308, 101-112.	2.6	6
171	Non-twist field line mappings for tokamaks with reversed magnetic shear. <i>Brazilian Journal of Physics</i> , 2004, 34, 1759-1765.	1.4	6
172	Escaping and transport barrier due to ergodic magnetic limiters in tokamaks with reversed magnetic shear. <i>Nuclear Fusion</i> , 2006, 46, S192-S198.	3.5	6
173	Bubbling transition to spatial mode excitation in an extended dynamical system. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 516-525.	2.8	6
174	Controlling chaos in wave-particle interactions. <i>Physical Review E</i> , 2012, 86, 016217.	2.1	6
175	The influence of connectivity on the firing rate in a neuronal network with electrical and chemical synapses. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 819-827.	2.6	6
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