

IberÃ L Caldas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3232447/publications.pdf>

Version: 2024-02-01

307
papers

3,590
citations

159525

30
h-index

289141

40
g-index

308
all docs

308
docs citations

308
times ranked

1556
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. | 2.5 | 8 |
| 2 | On the dynamical behaviour of a glucose-insulin model. Chaos, Solitons and Fractals, 2022, 155, 111753. | 2.5 | 2 |
| 3 | Dynamics of uncoupled and coupled neurons under an external pulsed current. Chaos, Solitons and Fractals, 2022, 155, 111734. | 2.5 | 7 |
| 4 | Measure, dimension, and complexity of the transient motion in Hamiltonian systems. Physica D: Nonlinear Phenomena, 2022, 431, 133126. | 1.3 | 1 |
| 5 | Unpredictability in Hamiltonian systems with a hierarchical phase space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 127991. | 0.9 | 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. | 2.3 | 5 |
| 7 | Gradient-driven turbulence in Texas Helimak. Physics of Plasmas, 2022, 29, 042303. | 0.7 | 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. | 1.2 | 13 |
| 9 | Diffusion transitions in a 2D periodic lattice. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106525. | 1.7 | 2 |
| 10 | Transport barriers for two modes drift wave map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 128237. | 0.9 | 0 |
| 11 | Suprathermal corrections to Bohm's Gross dispersion. Physics of Plasmas, 2022, 29, 052113. | 0.7 | 2 |
| 12 | Fractal Structures and Magnetic Footprints in a Divertor Tokamak. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, . | 0.7 | 3 |
| 13 | Bursting synchronization in neuronal assemblies of scale-free networks. Chaos, Solitons and Fractals, 2021, 142, 110395. | 2.5 | 8 |
| 14 | Dynamics of epidemics: Impact of easing restrictions and control of infection spread. Chaos, Solitons and Fractals, 2021, 142, 110431. | 2.5 | 8 |
| 15 | Curry's Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. Chaos, 2021, 31, 023125. | 1.0 | 10 |
| 16 | Coexistence of turbulence regimes in the Texas Helimak. Physics of Plasmas, 2021, 28, . | 0.7 | 2 |
| 17 | Synchronization and attractors in a model simulating social jetlag. Chaos, Solitons and Fractals, 2021, 144, 110733. | 2.5 | 0 |
| 18 | Emergence of Neuronal Synchronisation in Coupled Areas. Frontiers in Computational Neuroscience, 2021, 15, 663408. | 1.2 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The impact of chaotic saddles on the synchronization of complex networks of discrete-time units. <i>Journal of Physics Complexity</i> , 2021, 2, 035002. | 0.9 | 8 |
| 20 | Transport Barriers in Symplectic Maps. <i>Brazilian Journal of Physics</i> , 2021, 51, 899-909. | 0.7 | 6 |
| 21 | Concentration discontinuity of alkalis at high pressures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 395, 127207. | 0.9 | 5 |
| 22 | Sub-diffusive behavior in the Standard Map. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2765-2773. | 1.2 | 1 |
| 23 | Slippery-sticky transition of interfacial fluid slip. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 4 |
| 24 | Equation of State of the Kappa-Distributed Solar Wind Particles in the Earth's Magnetopause. <i>Solar Physics</i> , 2021, 296, 1. | 1.0 | 5 |
| 25 | Suppression of chaotic bursting synchronization in clustered scale-free networks by an external feedback signal. <i>Chaos</i> , 2021, 31, 083128. | 1.0 | 5 |
| 26 | Onset of internal transport barriers in tokamaks. <i>Physics of Plasmas</i> , 2021, 28, 082305. | 0.7 | 9 |
| 27 | Low-dimensional chaos in the single wave model for self-consistent wave-particle Hamiltonian. <i>Chaos</i> , 2021, 31, 083104. | 1.0 | 0 |
| 28 | Growth and performance of the periodic orbits of a nonlinear driven oscillator. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111102. | 2.5 | 0 |
| 29 | Description limit for soliton waves due to critical scaling of electrostatic potential. <i>Physics of Plasmas</i> , 2021, 28, . | 0.7 | 4 |
| 30 | Mathematical model of brain tumour growth with drug resistance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 106013. | 1.7 | 14 |
| 31 | Spiral wave chimera states in regular and fractal neuronal networks. <i>Journal of Physics Complexity</i> , 2021, 2, 015006. | 0.9 | 4 |
| 32 | An Upgraded 4 Meters Long Traveling Wave Tube for Plasma Physics Research. , 2021, , . | | 1 |
| 33 | Influence of Delayed Conductance on Neuronal Synchronization. <i>Frontiers in Physiology</i> , 2020, 11, 1053. | 1.3 | 13 |
| 34 | Wave-particle interactions in a long traveling wave tube with upgraded helix. <i>Physics of Plasmas</i> , 2020, 27, . | 0.7 | 4 |
| 35 | Order-chaos-order and invariant manifolds in the bounded planar Earth-Moon system. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020, 132, 1. | 0.5 | 1 |
| 36 | Basin of attraction for chimera states in a network of Rössler oscillators. <i>Chaos</i> , 2020, 30, 083115. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Ratchet current in nontwist Hamiltonian systems. <i>Chaos</i> , 2020, 30, 093141. | 1.0 | 3 |
| 38 | Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 604563. | 1.2 | 21 |
| 39 | Transport of blood particles: Chaotic advection even in a healthy scenario. <i>Chaos</i> , 2020, 30, 093135. | 1.0 | 3 |
| 40 | Dynamical trapping in the area-preserving Hénon map. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1507-1516. | 1.2 | 2 |
| 41 | Network properties of healthy and Alzheimer brains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 124475. | 1.2 | 14 |
| 42 | Intermittency and Transport Barriers in Fluids and Plasmas. <i>Advances in Dynamics, Patterns, Cognition</i> , 2019, , 69-87. | 0.2 | 0 |
| 43 | Dragon-kings death in nonlinear wave interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 122296. | 1.2 | 2 |
| 44 | State-dependent vulnerability of synchronization. <i>Physical Review E</i> , 2019, 100, 052201. | 0.8 | 11 |
| 45 | Diffusion entropy analysis in billiard systems. <i>Physical Review E</i> , 2019, 100, 042207. | 0.8 | 2 |
| 46 | Dynamical thermalization in time-dependent billiards. <i>Chaos</i> , 2019, 29, 103122. | 1.0 | 1 |
| 47 | Statistical properties of intermittent bursts in the Texas Helimak. <i>Physics of Plasmas</i> , 2019, 26, 052301. | 0.7 | 4 |
| 48 | Using rotation number to detect sticky orbits in Hamiltonian systems. <i>Chaos</i> , 2019, 29, 043125. | 1.0 | 11 |
| 49 | Bistable Firing Pattern in a Neural Network Model. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 19. | 1.2 | 28 |
| 50 | 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 |
| 51 | Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. <i>Chaos</i> , 2019, 29, 043106. | 1.0 | 21 |
| 52 | Influence of the radial electric field on the shearless transport barriers in tokamaks. <i>Physics of Plasmas</i> , 2019, 26, . | 0.7 | 7 |
| 53 | Multiscale Approach to Fluid-Solid Interfaces. <i>Polytechnica</i> , 2019, 2, 77-86. | 2.1 | 1 |
| 54 | Fractal structures in the parameter space of nontwist area-preserving maps. <i>Physical Review E</i> , 2019, 100, 052207. | 0.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Internal transport barriers in plasmas with reversed plasma flow. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1014-1019. | 0.9 | 3 |
| 56 | Burst temperature from conditional analysis in Texas Helimak and TCABR tokamak. Physics of Plasmas, 2018, 25, 042301. | 0.7 | 3 |
| 57 | Improving particle beam acceleration in plasmas. Physics of Plasmas, 2018, 25, 043110. | 0.7 | 1 |
| 58 | Inference of topology and the nature of synapses, and the flow of information in neuronal networks. Physical Review E, 2018, 97, 022303. | 0.8 | 6 |
| 59 | Symplectic Maps for Diverted Plasmas. IEEE Transactions on Plasma Science, 2018, 46, 2354-2361. | 0.6 | 2 |
| 60 | Statistical properties for an open oval billiard: An investigation of the escaping basins. Chaos, Solitons and Fractals, 2018, 106, 355-362. | 2.5 | 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. | 1.2 | 20 |
| 62 | Transition from normal to ballistic diffusion in a one-dimensional impact system. Physical Review E, 2018, 97, 032205. | 0.8 | 4 |
| 63 | Investigation of stickiness influence in the anomalous transport and diffusion for a non-dissipative Fermi-Ulam model. Communications in Nonlinear Science and Numerical Simulation, 2018, 55, 225-236. | 1.7 | 4 |
| 64 | How synapses can enhance sensibility of a neural network. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1045-1052. | 1.2 | 0 |
| 65 | Alterations in brain connectivity due to plasticity and synaptic delay. European Physical Journal: Special Topics, 2018, 227, 673-682. | 1.2 | 12 |
| 66 | Delayed feedback control of phase synchronisation in a neuronal network model. European Physical Journal: Special Topics, 2018, 227, 1151-1160. | 1.2 | 7 |
| 67 | Plasma Response to Resonant Perturbations at Tokamak Edge. Brazilian Journal of Physics, 2018, 48, 426-432. | 0.7 | 0 |
| 68 | Recurrence-based analysis of barrier breakup in the standard nontwist map. Chaos, 2018, 28, 085717. | 1.0 | 8 |
| 69 | Efficient manifolds tracing for planar maps. Chaos, 2018, 28, 093106. | 1.0 | 7 |
| 70 | Boundaries of synchronization in oscillator networks. Physical Review E, 2018, 98, . | 0.8 | 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. | 1.7 | 5 |
| 72 | Energy distribution in intrinsically coupled systems: The spring pendulum paradigm. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 1110-1119. | 1.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Synchronous behaviour in network model based on human cortico-cortical connections. <i>Physiological Measurement</i> , 2018, 39, 074006. | 1.2 | 21 |
| 74 | Explaining a changeover from normal to super diffusion in time-dependent billiards. <i>Europhysics Letters</i> , 2018, 121, 60003. | 0.7 | 1 |
| 75 | Recurrence quantification analysis for the identification of burst phase synchronisation. <i>Chaos</i> , 2018, 28, 085701. | 1.0 | 7 |
| 76 | Riddling: Chimera's dilemma. <i>Chaos</i> , 2018, 28, 081105. | 1.0 | 17 |
| 77 | Spike timing-dependent plasticity induces non-trivial topology in the brain. <i>Neural Networks</i> , 2017, 88, 58-64. | 3.3 | 36 |
| 78 | Shaping Diverted Plasmas With Symplectic Maps. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 356-363. | 0.6 | 2 |
| 79 | Trapping Phenomenon Attenuates the Consequences of Tipping Points for Limit Cycles. <i>Scientific Reports</i> , 2017, 7, 42351. | 1.6 | 33 |
| 80 | 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 |
| 81 | Sensitive dependence on parameters of continuous-time nonlinear dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2017, 99, 16-19. | 2.5 | 1 |
| 82 | Beatification: Flattening the Poisson bracket for two-dimensional fluid and plasma theories. <i>Physics of Plasmas</i> , 2017, 24, 032102. | 0.7 | 1 |
| 83 | Magneto-hydrostatic Equilibrium with External Gravitational Fields in Symmetric Systems. <i>Brazilian Journal of Physics</i> , 2017, 47, 55-64. | 0.7 | 0 |
| 84 | Synchronised firing patterns in a random network of adaptive exponential integrate-and-fire neuron model. <i>Neural Networks</i> , 2017, 90, 1-7. | 3.3 | 31 |
| 85 | Modeling non-stationary, non-axisymmetric heat patterns in DIII-D tokamak. <i>Nuclear Fusion</i> , 2017, 57, 016017. | 1.6 | 8 |
| 86 | Chaotic magnetic field lines and fractal structures in a tokamak with magnetic limiter. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 588-598. | 2.5 | 8 |
| 87 | Synaptic Plasticity and Spike Synchronisation in Neuronal Networks. <i>Brazilian Journal of Physics</i> , 2017, 47, 678-688. | 0.7 | 13 |
| 88 | Plasma Response to Resonant Magnetic Perturbations in Large Aspect Ratio Tokamaks. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 2906-2912. | 0.6 | 5 |
| 89 | Characterization in bi-parameter space of a non-ideal oscillator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 466, 224-231. | 1.2 | 20 |
| 90 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Fractal boundaries in chaotic hamiltonian systems. Journal of Physics: Conference Series, 2017, 911, 012002. | 0.3 | 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. | 1.0 | 19 |
| 95 | A statistical study of gyro-averaging effects in a reduced model of drift-wave transport. Physics of Plasmas, 2016, 23, 082308. | 0.7 | 1 |
| 96 | Transient chaotic transport in dissipative drift motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1621-1626. | 0.9 | 5 |
| 97 | Unstable dimension variability structure in the parameter space of coupled HÃ©non maps. Applied Mathematics and Computation, 2016, 286, 23-28. | 1.4 | 6 |
| 98 | Burst propagation in Texas Helimak. Plasma Physics and Controlled Fusion, 2016, 58, 054007. | 0.9 | 4 |
| 99 | Drift-wave transport in the velocity shear layer. Physics of Plasmas, 2016, 23, 072504. | 0.7 | 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. | 0.9 | 3 |
| 101 | A method for Hamiltonian truncation: a four-wave example. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 165501. | 0.7 | 5 |
| 102 | Effects of the spike timing-dependent plasticity on the synchronisation in a random Hodgkin-Huxley neuronal network. Communications in Nonlinear Science and Numerical Simulation, 2016, 34, 12-22. | 1.7 | 42 |
| 103 | Recurrence Analysis of Turbulent Fluctuations in Magnetically Confined Plasmas. Springer Proceedings in Physics, 2016, , 341-353. | 0.1 | 2 |
| 104 | Hidden High Period Accelerator Modes in a Bouncer Model. Springer Proceedings in Physics, 2016, , 179-191. | 0.1 | 0 |
| 105 | Global ballistic acceleration in a bouncing-ball model. Physical Review E, 2015, 92, 012905. | 0.8 | 8 |
| 106 | On the statistical and transport properties of a non-dissipative Fermi-Ulam model. Chaos, 2015, 25, 103107. | 1.0 | 8 |
| 107 | On Slater's criterion for the breakup of invariant curves. Physica D: Nonlinear Phenomena, 2015, 308, 34-39. | 1.3 | 10 |
| 108 | Particle transport induced by electrostatic wave fluctuations. Journal of Physics: Conference Series, 2015, 641, 012006. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Multiple island chains in wave-particle interactions. Journal of Physics: Conference Series, 2015, 641, 012003. | 0.3 | 1 |
| 110 | Sincroniza  o de disparos em redes neuronais com plasticidade sin 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. | 0.7 | 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. | 0.3 | 3 |
| 114 | Recurrence quantification analysis of chimera states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2188-2192. | 0.9 | 29 |
| 115 | Crises in a dissipative bouncing ball model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2830-2838. | 0.9 | 15 |
| 116 | Dynamical Effects in Confined Plasma Turbulence. Brazilian Journal of Physics, 2014, 44, 903-913. | 0.7 | 0 |
| 117 | A semi-analytical solver for the Grad-Shafranov equation. Physics of Plasmas, 2014, 21, 112501. | 0.7 | 4 |
| 118 | Electrostatic turbulence intermittence driven by biasing in Texas Helimak. Physics of Plasmas, 2014, 21, 122302. | 0.7 | 10 |
| 119 | Area-preserving maps models of gyroaveraged E B chaotic transport. Physics of Plasmas, 2014, 21, 092310. | 0.7 | 8 |
| 120 | Delineating the magnetic field line escape pattern and stickiness in a poloidally diverted tokamak. Physics of Plasmas, 2014, 21, 082506. | 0.7 | 3 |
| 121 | Super persistent transient in a master slave configuration with Colpitts oscillators. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 405101. | 0.7 | 4 |
| 122 | Dynamic range in a neuron network with electrical and chemical synapses. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 164-172. | 1.7 | 17 |
| 123 | Magnetic Field Line Stickiness in Tokamaks. IEEE Transactions on Plasma Science, 2014, 42, 2764-2765. | 0.6 | 3 |
| 124 | Onset of shearless magnetic surfaces in tokamaks. Nuclear Fusion, 2014, 54, 064010. | 1.6 | 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. | 1.4 | 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. | 0.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Influence of the electric and magnetic shears on tokamak transport. Nuclear Fusion, 2014, 54, 064001. | 1.6 | 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. | 0.9 | 1 |
| 129 | Chaotic particle heating due to an obliquely propagating wave in a magnetized plasma. Physical Review E, 2013, 88, 013101. | 0.8 | 2 |
| 130 | Alternate islands of multiple isochronous chains in wave-particle interactions. Physical Review E, 2013, 88, 064901. | 0.8 | 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. | 0.9 | 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. | 0.9 | 20 |
| 133 | Magnetic topology and current channels in plasmas with toroidal current density inversions. Physics of Plasmas, 2013, 20, 102512. | 0.7 | 2 |
| 134 | Analysis of the influence of external biasing on Texas Helimak turbulence. Physics of Plasmas, 2013, 20, . | 0.7 | 12 |
| 135 | Set of wires to simulate tokamaks with poloidal divertor. Journal of Plasma Physics, 2013, 79, 751-757. | 0.7 | 3 |
| 136 | Turbulence driven particle transport in Texas Helimak. Physics of Plasmas, 2012, 19, . | 0.7 | 13 |
| 137 | Long-distance correlations in TCABR biasing experiments. Nuclear Fusion, 2012, 52, 063004. | 1.6 | 12 |
| 138 | Shearless transport barriers in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124035. | 0.9 | 19 |
| 139 | Decay of energy and suppression of Fermi acceleration in a dissipative driven stadium-like billiard. Chaos, 2012, 22, 026122. | 1.0 | 7 |
| 140 | Stickiness in a bouncer model: A slowing mechanism for Fermi acceleration. Physical Review E, 2012, 86, 036203. | 0.8 | 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. | 0.7 | 1 |
| 142 | Divertor map with freedom of geometry and safety factor profile. Plasma Physics and Controlled Fusion, 2012, 54, 045007. | 0.9 | 7 |
| 143 | Transport barriers in plasmas. Journal of Physics: Conference Series, 2012, 370, 012001. | 0.3 | 0 |
| 144 | Robust tori-like Lagrangian coherent structures. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6611-6616. | 1.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Dynamical changes from harmonic vibrations of a limited power supply driving a Duffing oscillator. <i>Nonlinear Dynamics</i> , 2012, 70, 401-407. | 2.7 | 8 |
| 146 | Controlling chaos in wave-particle interactions. <i>Physical Review E</i> , 2012, 86, 016217. | 0.8 | 6 |
| 147 | Effective transport barriers in nontwist systems. <i>Physical Review E</i> , 2012, 86, 036206. | 0.8 | 29 |
| 148 | Secondary nontwist phenomena in area-preserving maps. <i>Chaos</i> , 2012, 22, 033142. | 1.0 | 4 |
| 149 | Dynamical analysis of turbulence in fusion plasmas and nonlinear waves. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 4690-4699. | 1.7 | 3 |
| 150 | Nontwist symplectic maps in tokamaks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 2021-2030. | 1.7 | 13 |
| 151 | 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. | 1.2 | 6 |
| 152 | Self-organized criticality in MHD driven plasma edge turbulence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 753-757. | 0.9 | 7 |
| 153 | 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. | 0.9 | 61 |
| 154 | Labyrinthic standard non-twist map. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 045102. | 0.7 | 13 |
| 155 | Radial dependence of self-organized criticality behavior in TCABR tokamak. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012004. | 0.3 | 0 |
| 156 | Evidence of transport barrier in TCABR tokamak with high MHD activity. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012010. | 0.3 | 0 |
| 157 | Blocking Radial Diffusion in a Double-Waved Hamiltonian Model. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012011. | 0.3 | 0 |
| 158 | On a cellular automaton with time delay for modelling cancer tumors. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012015. | 0.3 | 7 |
| 159 | Magnetic Field Line Escape: Comparison with Mean Free Path. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012012. | 0.3 | 1 |
| 160 | Collisional effects in the tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 376, 24-30. | 0.9 | 11 |
| 161 | Replicate periodic windows in the parameter space of driven oscillators. <i>Chaos, Solitons and Fractals</i> , 2011, 44, 982-989. | 2.5 | 28 |
| 162 | Analytical solutions for Tokamak equilibria with reversed toroidal current. <i>Physics of Plasmas</i> , 2011, 18, 082508. | 0.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | 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 |
| 164 | Plasma confinement in tokamaks with robust torus. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 957-962. | 1.2 | 8 |
| 165 | Fractal structures in nonlinear plasma physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 371-395. | 1.6 | 50 |
| 166 | Characterizing electrostatic turbulence in tokamak plasmas with high MHD activity. <i>Journal of Physics: Conference Series</i> , 2010, 246, 012014. | 0.3 | 3 |
| 167 | Effect of robust torus on the dynamical transport. <i>Journal of Physics: Conference Series</i> , 2010, 246, 012005. | 0.3 | 1 |
| 168 | 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. | 0.9 | 33 |
| 169 | Robust tori in a double-waved Hamiltonian model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 5511-5514. | 1.2 | 2 |
| 170 | Integrable maps with non-trivial topology: application to divertor configurations. <i>Nuclear Fusion</i> , 2010, 50, 034003. | 1.6 | 7 |
| 171 | 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 |
| 172 | The non-twist standard map with robust tori. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 175501. | 0.7 | 12 |
| 173 | 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 |
| 174 | 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 |
| 175 | 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 |
| 176 | Bubbling transition to spatial mode excitation in an extended dynamical system. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 516-525. | 1.3 | 6 |
| 177 | Fuzzy computational control for real Chua circuit. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2169-2178. | 2.5 | 0 |
| 178 | A scenario for torus T2 destruction via a global bifurcation. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2198-2210. | 2.5 | 5 |
| 179 | Transport control in fusion plasmas by changing electric and magnetic field spatial profiles. <i>Computer Physics Communications</i> , 2009, 180, 642-650. | 3.0 | 9 |
| 180 | Transport properties in nontwist area-preserving maps. <i>Chaos</i> , 2009, 19, 043108. | 1.0 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Recurrence quantification analysis of electrostatic fluctuations in fusion plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1088-1095. | 0.9 | 22 |
| 182 | Suppressing grazing chaos in impacting system by structural nonlinearity. Chaos, Solitons and Fractals, 2008, 38, 864-869. | 2.5 | 29 |
| 183 | Tokamak magnetic field lines described by simple maps. European Physical Journal: Special Topics, 2008, 165, 195-210. | 1.2 | 47 |
| 184 | Chaotic transport in reversed shear tokamaks. Nuclear Fusion, 2008, 48, 024018. | 1.6 | 17 |
| 185 | Low-dimensional chaos and wave turbulence in plasmas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 609-620. | 1.6 | 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. | 0.7 | 32 |
| 187 | Reduction of chaotic particle transport driven by drift waves in sheared flows. Physics of Plasmas, 2008, 15, . | 0.7 | 34 |
| 188 | Electrostatic turbulence driven by high magnetohydrodynamic activity in Tokamak Chauffage Alfvén Brésilien. Physics of Plasmas, 2008, 15, 062501. | 0.7 | 12 |
| 189 | Experimental observation of a complex periodic window. Physical Review E, 2008, 77, 037202. | 0.8 | 35 |
| 190 | Finite-size particles, advection, and chaos: A collective phenomenon of intermittent bursting. Physical Review E, 2008, 78, 056206. | 0.8 | 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, . | 0.8 | 0 |
| 192 | Multifractality in plasma edge electrostatic turbulence. Physics of Plasmas, 2008, 15, 082311. | 0.7 | 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. | 0.7 | 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. | 0.7 | 26 |
| 195 | Suppression and excitation of MHD activity with an electrically polarized electrode at the TCABR tokamak plasma edge. Nuclear Fusion, 2007, 47, 1570-1576. | 1.6 | 36 |
| 196 | Transversal dynamics of a non-locally-coupled map lattice. Physical Review E, 2007, 76, 017202. | 0.8 | 1 |
| 197 | Tokamak turbulence at the scrape-off layer in TCABR with an ergodic magnetic limiter. Journal of Plasma Physics, 2007, 73, 295-306. | 0.7 | 7 |
| 198 | Damping control law for a chaotic impact oscillator. Chaos, Solitons and Fractals, 2007, 32, 745-750. | 2.5 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Noise-induced basin hopping in a vibro-impact system. Chaos, Solitons and Fractals, 2007, 32, 758-767. | 2.5 | 30 |
| 200 | Direction coherence in scale-free lattices of chaotic maps. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 725-732. | 1.2 | 1 |
| 201 | A simple feedback control for a chaotic oscillator with limited power supply. Journal of Sound and Vibration, 2007, 299, 664-671. | 2.1 | 16 |
| 202 | Dynamics of vibrating systems with tuned liquid column dampers and limited power supply. Journal of Sound and Vibration, 2006, 289, 987-998. | 2.1 | 20 |
| 203 | Escaping and transport barrier due to ergodic magnetic limiters in tokamaks with reversed magnetic shear. Nuclear Fusion, 2006, 46, S192-S198. | 1.6 | 6 |
| 204 | Turbulence Induced Transport in Tokamaks. AIP Conference Proceedings, 2006, , . | 0.3 | 2 |
| 205 | Global bifurcation destroying the experimental torus ^{T2} . Physical Review E, 2006, 73, 017201. | 0.8 | 5 |
| 206 | Shilnikov homoclinic orbit bifurcations in the Chua's circuit. Chaos, 2006, 16, 043119. | 1.0 | 12 |
| 207 | Effects of the resonant modes on the magnetic footprint patterns in a tokamak wall. Physics of Plasmas, 2006, 13, 052511. | 0.7 | 3 |
| 208 | Nonlinear three-mode interaction and drift-wave turbulence in a tokamak edge plasma. Physics of Plasmas, 2006, 13, 042510. | 0.7 | 22 |
| 209 | Impact dampers for controlling chaos in systems with limited power supply. Journal of Sound and Vibration, 2005, 279, 955-967. | 2.1 | 66 |
| 210 | Non-transitive maps in phase synchronization. Physica D: Nonlinear Phenomena, 2005, 212, 216-232. | 1.3 | 18 |
| 211 | Basins of attraction changes by amplitude constraining of oscillators with limited power supply. Chaos, Solitons and Fractals, 2005, 26, 1211-1220. | 2.5 | 35 |
| 212 | Noise-induced basin hopping in a gearbox model. Chaos, Solitons and Fractals, 2005, 26, 1523-1531. | 2.5 | 15 |
| 213 | Scrape-off layer turbulence modulated by Mirnov oscillations. European Physical Journal D, 2005, 55, 265-270. | 0.4 | 9 |
| 214 | Basic structures of the Shilnikov homoclinic bifurcation scenario. Chaos, 2005, 15, 033112. | 1.0 | 19 |
| 215 | Non-twist field line mappings for tokamaks with reversed magnetic shear. Brazilian Journal of Physics, 2004, 34, 1759-1765. | 0.7 | 6 |
| 216 | Turbulence and transport in the scrape-off layer TCABR tokamak. Plasma Physics and Controlled Fusion, 2004, 46, 669-679. | 0.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Phase Synchronization and invariant measures in sinusoidally perturbed chaotic systems. AIP Conference Proceedings, 2004, , . | 0.3 | 0 |
| 218 | Magnetic trapping caused by resonant perturbations in tokamaks with reversed magnetic shear. Physics of Plasmas, 2004, 11, 214-225. | 0.7 | 30 |
| 219 | Recurrence time statistics for finite size intervals. Chaos, 2004, 14, 975-981. | 1.0 | 53 |
| 220 | Conditional targeting for communication. Chaos, Solitons and Fractals, 2004, 21, 1271-1280. | 2.5 | 0 |
| 221 | Controlling chaotic orbits in mechanical systems with impacts. Chaos, Solitons and Fractals, 2004, 19, 171-178. | 2.5 | 54 |
| 222 | Calculation of Lyapunov exponents in systems with impacts. Chaos, Solitons and Fractals, 2004, 19, 569-579. | 2.5 | 87 |
| 223 | Folding characterization in conservative chaotic fluid flows. Chaos, Solitons and Fractals, 2004, 19, 1087-1094. | 2.5 | 0 |
| 224 | Transport barrier created by dimerized islands. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 363-369. | 1.2 | 12 |
| 225 | Sudden changes in chaotic attractors and transient basins in a model for rattling in gearboxes. Chaos, Solitons and Fractals, 2004, 21, 763-772. | 2.5 | 35 |
| 226 | Homoclinic orbits in a piecewise system and their relation with invariant sets. Physica D: Nonlinear Phenomena, 2003, 186, 133-147. | 1.3 | 22 |
| 227 | Chaotic magnetic field lines in tokamaks with ergodic limiters. Physica A: Statistical Mechanics and Its Applications, 2003, 317, 411-431. | 1.2 | 14 |
| 228 | Stabilizing periodic orbits in a chaotic semiconductor laser. Chaos, Solitons and Fractals, 2003, 15, 327-341. | 2.5 | 10 |
| 229 | Periodic driving of plasma turbulence. Physics of Plasmas, 2003, 10, 1283-1290. | 0.7 | 9 |
| 230 | Phase synchronization in the perturbed Chua circuit. Physical Review E, 2003, 67, 056212. | 0.8 | 37 |
| 231 | Reconnection Bifurcation in Tokamaks. AIP Conference Proceedings, 2003, , . | 0.3 | 0 |
| 232 | Escape patterns, magnetic footprints, and homoclinic tangles due to ergodic magnetic limiters. Physics of Plasmas, 2002, 9, 4917-4928. | 0.7 | 54 |
| 233 | Driving trajectories in chaotic scattering. Physical Review E, 2002, 65, 026215. | 0.8 | 8 |
| 234 | Control of chaotic magnetic fields in tokamaks. Brazilian Journal of Physics, 2002, 32, 980. | 0.7 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Bifurcations and onset of chaos on the ergodic magnetic limiter mapping. Chaos, Solitons and Fractals, 2002, 14, 403-423. | 2.5 | 12 |
| 236 | Stock market dynamics. Physica A: Statistical Mechanics and Its Applications, 2002, 312, 539-564. | 1.2 | 13 |
| 237 | Dealing with final state sensitivity for synchronous communication. Physica A: Statistical Mechanics and Its Applications, 2002, 308, 101-112. | 1.2 | 6 |
| 238 | Title is missing!. Nonlinear Dynamics, 2002, 27, 185-195. | 2.7 | 15 |
| 239 | 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 |
| 240 | Ergodic magnetic limiter for the TCABR. Brazilian Journal of Physics, 2002, 32, . | 0.7 | 10 |
| 241 | Statistics of turbulence induced by magnetic field. Brazilian Journal of Physics, 2002, 32, 85-88. | 0.7 | 3 |
| 242 | Statistics of plasma fluctuations in runaway discharges in TCABR tokamak. Brazilian Journal of Physics, 2002, 32, 95-99. | 0.7 | 0 |
| 243 | Field line diffusion and loss in a tokamak with an ergodic magnetic limiter. Physics of Plasmas, 2001, 8, 2855-2865. | 0.7 | 28 |
| 244 | Chaotic field line diffusion in Tokamaks. , 2001, , . | | 0 |
| 245 | Statistics of plasma edge turbulence in tokamaks. , 2001, , . | | 0 |
| 246 | Onset of symmetric plasma turbulence. Physica A: Statistical Mechanics and Its Applications, 2001, 301, 150-162. | 1.2 | 6 |
| 247 | The structure of chaotic magnetic field lines in a tokamak with external nonsymmetric magnetic perturbations. IEEE Transactions on Plasma Science, 2001, 29, 617-631. | 0.6 | 34 |
| 248 | Basins of Attraction and Transient Chaos in a Gear-Rattling Model. JVC/Journal of Vibration and Control, 2001, 7, 849-862. | 1.5 | 39 |
| 249 | Recurrence in plasma edge turbulence. Physics of Plasmas, 2001, 8, 4455-4462. | 0.7 | 15 |
| 250 | Coupled Biological Oscillators in a Cave Insect. Journal of Theoretical Biology, 2000, 206, 515-524. | 0.8 | 12 |
| 251 | A symplectic mapping for the ergodic magnetic limiter and its dynamical analysis. Chaos, Solitons and Fractals, 2000, 11, 2129-2140. | 2.5 | 39 |
| 252 | On the stock market recurrence. Physica A: Statistical Mechanics and Its Applications, 2000, 284, 348-354. | 1.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Low-dimensional dynamics in observables from complex and higher-dimensional systems. Physica A: Statistical Mechanics and Its Applications, 2000, 287, 91-99. | 1.2 | 8 |
| 254 | Experimental analysis of mode coupling and plasma turbulence induced by magnetic fields. Physics of Plasmas, 2000, 7, 3567-3572. | 0.7 | 16 |
| 255 | Nonmodal energetics of electromagnetic drift waves. Physics of Plasmas, 2000, 7, 2849-2855. | 0.7 | 7 |
| 256 | Scrape-off layer intermittency in the Castor tokamak. Physics of Plasmas, 1999, 6, 846-853. | 0.7 | 44 |
| 257 | Type-II intermittency in the driven Double Scroll Circuit. Physica D: Nonlinear Phenomena, 1999, 132, 325-338. | 1.3 | 16 |
| 258 | Wavelet Correlation between Electrostatic and Magnetic Plasma Oscillations in the Tokamak TBR. Journal of the Physical Society of Japan, 1999, 68, 1585-1591. | 0.7 | 1 |
| 259 | Magnetic and electrostatic fluctuations in the CASTOR tokamak. Plasma Physics and Controlled Fusion, 1999, 41, A577-A585. | 0.9 | 32 |
| 260 | Phase-Locking and Bifurcations of the Sinusoidally-Driven Double Scroll Circuit. Nonlinear Dynamics, 1998, 17, 119-139. | 2.7 | 12 |
| 261 | Nonmodal linear analysis of drift-wave turbulence models. European Physical Journal D, 1998, 48, 189-194. | 0.4 | 0 |
| 262 | Bifurcation-reconnection sequences in nonpendular resonance. Chaos, Solitons and Fractals, 1998, 9, 377-392. | 2.5 | 0 |
| 263 | Plasma turbulence in tokamaks. Physica A: Statistical Mechanics and Its Applications, 1998, 257, 341-346. | 1.2 | 1 |
| 264 | Dynamics of the two-frequency torus breakdown in the driven double scroll circuit. Physical Review E, 1998, 58, 4413-4420. | 0.8 | 25 |
| 265 | Nonmodal energetics of resistive drift waves. Physical Review E, 1998, 58, 3693-3704. | 0.8 | 21 |
| 266 | Interior crises in a dripping faucet experiment. Physical Review E, 1998, 58, 4009-4011. | 0.8 | 13 |
| 267 | Easy-to-implement method to target nonlinear systems. Chaos, 1998, 8, 290-299. | 1.0 | 5 |
| 268 | A complex probe for measurements of turbulence in the edge of magnetically confined plasmas. Review of Scientific Instruments, 1997, 68, 4418-4423. | 0.6 | 2 |
| 269 | Influence of resonant magnetic perturbations on plasma edge turbulence. Physics of Plasmas, 1997, 4, 329-336. | 0.7 | 5 |
| 270 | The Parameter Space Structure of the Kicked Logistic Map and Its Stability. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 447-457. | 0.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | Correlation between Plasma Edge Electrostatic and Magnetic Oscillations in the Brazilian Tokamak TBR. Journal of the Physical Society of Japan, 1997, 66, 3453-3460. | 0.7 | 11 |
| 272 | Minimizing chaos during the reconnection process. Chaos, Solitons and Fractals, 1997, 8, 1891-1900. | 2.5 | 11 |
| 273 | Temperature fluctuations and plasma edge turbulence in the Brazilian tokamak TBR. Physics of Plasmas, 1996, 3, 971-977. | 0.7 | 16 |
| 274 | 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 |
| 275 | Dynamics of the kicked logistic map. Chaos, Solitons and Fractals, 1996, 7, 325-336. | 2.5 | 22 |
| 276 | Magnetic field line mappings for a tokamak with ergodic limiters. Chaos, Solitons and Fractals, 1996, 7, 991-1010. | 2.5 | 24 |
| 277 | Transitions in the parameter space of a periodically forced dissipative system. Chaos, Solitons and Fractals, 1996, 7, 1913-1921. | 2.5 | 8 |
| 278 | Chaotic dynamics induced by space-charge waves in cyclotron resonance accelerators. Physical Review E, 1996, 54, 4202-4210. | 0.8 | 1 |
| 279 | Dimerized island chains in tokamaks. Chaos, Solitons and Fractals, 1995, 5, 15-23. | 2.5 | 47 |
| 280 | Coupling of modes in RFPs: an analytical approach. Plasma Physics and Controlled Fusion, 1995, 37, 541-550. | 0.9 | 0 |
| 281 | Edge turbulence spectrum alterations driven by resonant fields. Nuclear Fusion, 1995, 35, 59-67. | 1.6 | 15 |
| 282 | Magnetic structure of toroidal helical fields in tokamaks. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 193, 89-93. | 0.9 | 8 |
| 283 | <title>Control of trajectories of the kicked logistic map</title>., 1994, 2037, 273. | | 1 |
| 284 | Tokamak research at University of São Paulo. Journal of Fusion Energy, 1993, 12, 295-302. | 0.5 | 9 |
| 285 | Transport in the plasma edge of a tokamak with high MHD activity. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1993, 15, 983-994. | 0.4 | 4 |
| 286 | Magnetic surfaces in non-symmetric plasmas. Plasma Physics and Controlled Fusion, 1992, 34, 1067-1088. | 0.9 | 3 |
| 287 | Time-resolved analysis of Mirnov oscillations. Review of Scientific Instruments, 1992, 63, 3710-3715. | 0.6 | 8 |
| 288 | Peripheral Stochasticity in Tokamaks.The Martin-Taylor Revisited. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 941-944. | 0.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | Onset of chaotic field line trajectories in tokamaks. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1992, 14, 695-704. | 0.4 | 2 |
| 290 | Comments on the magnetic field generated by an infinite current grid. European Journal of Physics, 1991, 12, 293-296. | 0.3 | 8 |
| 291 | Average magnetic surfaces in tokamaks. Plasma Physics and Controlled Fusion, 1991, 33, 573-581. | 0.9 | 2 |
| 292 | ALMOST INTEGRABLE MAGNETIC FIELDS IN TOKAMAKS. , 1991, , 83-94. | | 0 |
| 293 | Toroidal plasma equilibrium with arbitrary current distribution. Journal of Plasma Physics, 1990, 44, 303-311. | 0.7 | 26 |
| 294 | The Trajectories of Magnetic Field Lines in Tokamaks with Helical Windings. , 1990, , 217-224. | | 0 |
| 295 | Disruptive instabilities in the discharges of the TBR-1 small Tokamak. Plasma Physics and Controlled Fusion, 1989, 31, 147-156. | 0.9 | 27 |
| 296 | Limit cycles of periodically forced oscillations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 135, 264-266. | 0.9 | 2 |
| 297 | Influence of resonant helical windings on the mirnov oscillations in a small tokamak. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 1193-1198. | 0.4 | 13 |
| 298 | The destruction of magnetic surfaces by resonant helical windings. Plasma Physics and Controlled Fusion, 1988, 30, 1203-1211. | 0.9 | 15 |
| 299 | Toroidal Helical Fields. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1987, 42, 1124-1132. | 0.7 | 20 |
| 300 | Mirnov Oscillations in a Small Tokamak. IEEE Transactions on Plasma Science, 1986, 14, 279-281. | 0.6 | 12 |
| 301 | Variational Formulation for Two-Fluid Plasmas in Gebesch Variables. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1984, 39, 9-12. | 0.7 | 2 |
| 302 | Hamiltonian Formulation of Two-Dimensional Gyroviscous MHD. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1984, 39, 1023-1027. | 0.7 | 12 |
| 303 | Fluctuation spectrum for linear gyroviscous MHD. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 104, 423-424. | 0.9 | 1 |
| 304 | Constants of motion of nonlinear equations in an extended Poisson formalism. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1979, 24, 500-504. | 0.4 | 1 |
| 305 | Teaching relativity with a different philosophy. American Journal of Physics, 1978, 46, 1258-1262. | 0.3 | 13 |
| 306 | Application of the two-fluid energy principle to large aspect ratio Tokamaks. Plasma Physics, 1978, 20, 1299-1305. | 0.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Stability of a dissipative gravitating two-fluid plasma at rest. <i>Astrophysical Journal</i> , 1978, 226, 1115. | 1.6 | 2 |