

Clodoaldo Grotta Ragazzo

List of Publications by Year in descending order

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44
papers

566
citations

686830

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676716

22
g-index

45
all docs

45
docs citations

45
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Librations of a body composed of a deformable mantle and a fluid core. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2022, 134, 1.	0.5	1
2	Errata and Addenda to: "Hydrodynamic Vortex on Surfaces" and "The Motion of a Vortex on a Closed Surface of Constant Negative Curvature". <i>Journal of Nonlinear Science</i> , 2022, 32, .	1.0	1
3	Andrade rheology in time-domain. Application to Enceladus' dissipation of energy due to forced libration. <i>Icarus</i> , 2020, 343, 113610.	1.1	18
4	The theory of figures of Clairaut with focus on the gravitational modulus: inequalities and an improvement in the Darwin-Radau equation. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2020, 14, 1-48.	0.2	5
5	The effects of deformation inertia (kinetic energy) in the orbital and spin evolution of close-in bodies. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	0.5	8
6	Hydrodynamic Vortex on Surfaces. <i>Journal of Nonlinear Science</i> , 2017, 27, 1609-1640.	1.0	8
7	Viscoelastic tides: models for use in Celestial Mechanics. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 128, 19-59.	0.5	17
8	The motion of a vortex on a closed surface of constant negative curvature. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170447.	1.0	2
9	Dynamics of an isolated, viscoelastic, self-gravitating body. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 122, 303-332.	0.5	11
10	An explicit Lyapunov function for reflection symmetric parabolic partial differential equations on the circle. <i>Russian Mathematical Surveys</i> , 2014, 69, 419-433.	0.2	8
11	Metastable periodic patterns in singularly perturbed state-dependent delayed equations. <i>Physica D: Nonlinear Phenomena</i> , 2014, 271, 48-63.	1.3	5
12	Scalar Autonomous Second Order Ordinary Differential Equations. <i>Qualitative Theory of Dynamical Systems</i> , 2012, 11, 277-415.	0.8	7
13	Metastable Periodic Patterns in Singularly Perturbed Delayed Equations. <i>Journal of Dynamics and Differential Equations</i> , 2010, 22, 203-252.	1.0	6
14	On the force and torque on systems of rigid bodies: A remark on an integral formula due to Howe. <i>Physics of Fluids</i> , 2007, 19, 057108.	1.6	12
15	Equatorial dynamics of charged particles in planetary magnetospheres. <i>Physica D: Nonlinear Phenomena</i> , 2007, 225, 169-183.	1.3	11
16	The Conley-Zehnder index and the saddle-center equilibrium. <i>Journal of Differential Equations</i> , 2006, 220, 259-278.	1.1	5
17	Global surfaces of section in non-regular convex energy levels of Hamiltonian systems. <i>Mathematische Zeitschrift</i> , 2006, 255, 323-334.	0.4	2
18	Plane fields related to vector fields on 3-manifolds. <i>Qualitative Theory of Dynamical Systems</i> , 2004, 4, 353-382.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Conservative dynamics: unstable sets for saddle-center loops. <i>Journal of Differential Equations</i> , 2004, 197, 118-146.	1.1	4
20	On the dynamics of turret systems in deep water. <i>Applied Ocean Research</i> , 2003, 25, 37-51.	1.8	7
21	On the Motion of Solids Through an Ideal Liquid: Approximated Equations for Many Body Systems. <i>SIAM Journal on Applied Mathematics</i> , 2003, 63, 1972-1997.	0.8	3
22	Dynamics of many bodies in a liquid: Added-mass tensor of compounded bodies and systems with a fast oscillating body. <i>Physics of Fluids</i> , 2002, 14, 1590-1600.	1.6	5
23	On the stability of some periodic orbits of a new type for twist maps. <i>Nonlinearity</i> , 2002, 15, 1385-1397.	0.6	7
24	Critical number in scattering and escaping problems in classical mechanics. <i>Physical Review E</i> , 2001, 64, 046216.	0.8	3
25	Metastability for delayed differential equations. <i>Physical Review E</i> , 1999, 60, 6230-6233.	0.8	19
26	Asymptotic behavior of irreducible excitatory networks of analog graded-response neurons. <i>IEEE Transactions on Neural Networks</i> , 1999, 10, 1375-1381.	4.8	3
27	Dynamic Mean Flow and Small-Scale Interaction through Topographic Stress. <i>Journal of Nonlinear Science</i> , 1999, 9, 89-130.	1.0	15
28	Two important numbers in the Hénon-Heiles dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 241, 35-40.	0.9	10
29	Effect of delay on the boundary of the basin of attraction in a system of two neurons. <i>Neural Networks</i> , 1998, 11, 509-519.	3.3	66
30	Transient regime duration in continuous-time neural networks with delay. <i>Physical Review E</i> , 1998, 58, 3623-3627.	0.8	52
31	Transient oscillations in continuous-time excitatory ring neural networks with delay. <i>Physical Review E</i> , 1997, 55, 3234-3248.	0.8	44
32	Effect of Delay on the Boundary of the Basin of Attraction in a Self-Excited Single Graded-Response Neuron. <i>Neural Computation</i> , 1997, 9, 319-336.	1.3	22
33	Stability of homoclinic orbits and diffusion in phase space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 230, 183-189.	0.9	12
34	On the Stability of Double Homoclinic Loops. <i>Communications in Mathematical Physics</i> , 1997, 184, 251-272.	1.0	23
35	Irregular dynamics and homoclinic orbits to Hamiltonian saddle centers. <i>Communications on Pure and Applied Mathematics</i> , 1997, 50, 105-147.	1.2	46
36	On steady states in a collisionless plasma. <i>Communications on Pure and Applied Mathematics</i> , 1996, 49, 1145-1174.	1.2	21

#	ARTICLE	IF	CITATIONS
37	CHAOTIC OSCILLATIONS OF A BUCKLED BEAM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1995, 05, 545-549.	0.7	4
38	Nonintegrability of some Hamiltonian systems, scattering and analytic continuation. Communications in Mathematical Physics, 1994, 166, 255-277.	1.0	33
39	On the motion of two-dimensional vortices with mass. Journal of Nonlinear Science, 1994, 4, 375-418.	1.0	23
40	Chaos and integrability in a nonlinear wave equation. Journal of Dynamics and Differential Equations, 1994, 6, 227-244.	1.0	4
41	Singularity structure of the Hopf bifurcation surface of a differential equation with two delays. Journal of Dynamics and Differential Equations, 1992, 4, 617-650.	1.0	8
42	BIFURCATION STRUCTURE OF SCALAR DIFFERENTIAL DELAYED EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1991, 01, 657-665.	0.7	5
43	Waldyr Muniz Oliva and the "STABILITY OF MORSE-SMALE MAPS". Sao Paulo Journal of Mathematical Sciences, 0, , 1.	0.2	0
44	Opening Note: The Golden Jubilee of the Institute of Mathematics and Statistics of the University of São Paulo. Sao Paulo Journal of Mathematical Sciences, 0, , 1.	0.2	0