

Durval JosÃ© Tonon

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

130
citations

1478505

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1281871

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24
all docs

24
docs citations

24
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower bounds for the number of limit cycles in a generalised Rayleigh-Liénard oscillator. <i>Nonlinearity</i> , 2022, 35, 3883-3906.	1.4	3
2	Hopf-Like Bifurcations and Asymptotic Stability in a Class of 3D Piecewise Linear Systems with Applications. <i>Journal of Nonlinear Science</i> , 2021, 31, 1.	2.1	2
3	Global Analysis of a piecewise smooth epidemiological model of COVID-19. <i>Nonlinear Dynamics</i> , 2021, 105, 3763-3773.	5.2	6
4	Fold bifurcation of T-singularities and invariant manifolds in 3D piecewise-smooth dynamical systems. <i>Physica D: Nonlinear Phenomena</i> , 2020, 403, 132293.	2.8	1
5	Crossing Periodic Orbits via First Integrals. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050163.	1.7	1
6	Global analysis of the dynamics of a mathematical model to intermittent HIV treatment. <i>Nonlinear Dynamics</i> , 2020, 101, 719-739.	5.2	11
7	Simultaneous occurrence of sliding and crossing limit cycles in piecewise linear planar vector fields. <i>Dynamical Systems</i> , 2020, 35, 490-514.	0.4	9
8	Asymptotic Stability in Some Generic Classes of Three-Dimensional Discontinuous Dynamical Systems. <i>RSME Springer Series</i> , 2020, , 21-33.	0.1	0
9	Bifurcations at a degenerate two-fold singularity and crossing limit cycles. <i>Journal of Differential Equations</i> , 2019, 268, 115-140.	2.2	11
10	The chaotic behaviour of piecewise smooth differential equations on two-dimensional torus and sphere. <i>Dynamical Systems</i> , 2019, 34, 356-373.	0.4	0
11	The symmetric periodic orbits for the two-electron atom. <i>Letters in Mathematical Physics</i> , 2018, 108, 1851-1871.	1.1	0
12	Limit Cycles of Piecewise Smooth Differential Equations on Two Dimensional Torus. <i>Journal of Dynamics and Differential Equations</i> , 2018, 30, 1011-1027.	1.9	2
13	Canonical Forms for Codimension One Planar Piecewise Smooth Vector Fields with Sliding Region. <i>Journal of Dynamics and Differential Equations</i> , 2018, 30, 1899-1920.	1.9	4
14	Symmetric periodic orbits for the collinear charged 3-body problem. <i>Journal of Mathematical Physics</i> , 2017, 58, 022702.	1.1	3
15	Hopf and Homoclinic bifurcations on the sliding vector field of switching systems in \mathbb{R}^3 . A case study in power electronics. <i>Physica D: Nonlinear Phenomena</i> , 2017, 347, 12-20.	2.8	32
16	Limit cycles of discontinuous piecewise polynomial vector fields. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 572-579.	1.0	5
17	Birth of limit cycles from a 3D triangular center of a piecewise smooth vector field. <i>IMA Journal of Applied Mathematics</i> , 2017, 82, 561-578.	1.6	1
18	Asymptotic stability and bifurcations of 3D piecewise smooth vector fields. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2016, 67, 1.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Piecewise smooth vector fields in R^3 at infinity. Journal of Mathematical Analysis and Applications, 2015, 427, 841-855.	1.0	1
20	Normal Forms for Codimension One Planar Piecewise Smooth Vector Fields. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450090.	1.7	11
21	Coupled systems of non-smooth differential equations. Bulletin Des Sciences Mathematiques, 2012, 136, 239-255.	1.0	15
22	Generic Bifurcations of Planar Filippov Systems via Geometric Singular Perturbations. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2011, 18, .	0.2	6
23	Quadratic Planar Systems with Two Parallel Invariant Straight Lines. Qualitative Theory of Dynamical Systems, 2009, 7, 295-316.	1.7	1
24	Global Analysis of the Dynamics of a Piecewise Linear Vector Field Model for Prostate Cancer Treatment. Journal of Dynamical and Control Systems, 0, , 1.	0.8	0