

Durval JosÃ© Tonon

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

130
citations

1478505

6
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1281871

11
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24
all docs

24
docs citations

24
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Coupled systems of non-smooth differential equations. <i>Bulletin Des Sciences Mathematiques</i> , 2012, 136, 239-255.	1.0	15
3	Normal Forms for Codimension One Planar Piecewise Smooth Vector Fields. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450090.	1.7	11
4	Bifurcations at a degenerate two-fold singularity and crossing limit cycles. <i>Journal of Differential Equations</i> , 2019, 268, 115-140.	2.2	11
5	Global analysis of the dynamics of a mathematical model to intermittent HIV treatment. <i>Nonlinear Dynamics</i> , 2020, 101, 719-739.	5.2	11
6	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
7	Global Analysis of a piecewise smooth epidemiological model of COVID-19. <i>Nonlinear Dynamics</i> , 2021, 105, 3763-3773.	5.2	6
8	Generic Bifurcations of Planar Filippov Systems via Geometric Singular Perturbations. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 2011, 18, .	0.2	6
9	Asymptotic stability and bifurcations of 3D piecewise smooth vector fields. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2016, 67, 1.	1.4	5
10	Limit cycles of discontinuous piecewise polynomial vector fields. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 572-579.	1.0	5
11	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
12	Symmetric periodic orbits for the collinear charged 3-body problem. <i>Journal of Mathematical Physics</i> , 2017, 58, 022702.	1.1	3
13	Lower bounds for the number of limit cycles in a generalised Rayleigh-Liénard oscillator. <i>Nonlinearity</i> , 2022, 35, 3883-3906.	1.4	3
14	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
15	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
16	Quadratic Planar Systems with Two Parallel Invariant Straight Lines. <i>Qualitative Theory of Dynamical Systems</i> , 2009, 7, 295-316.	1.7	1
17	Piecewise smooth vector fields in \mathbb{R}^3 at infinity. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 427, 841-855.	1.0	1
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	The symmetric periodic orbits for the two-electron atom. <i>Letters in Mathematical Physics</i> , 2018, 108, 1851-1871.	1.1	0
22	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
23	Global Analysis of the Dynamics of a Piecewise Linear Vector Field Model for Prostate Cancer Treatment. <i>Journal of Dynamical and Control Systems</i> , 0, , 1.	0.8	0
24	Asymptotic Stability in Some Generic Classes of Three-Dimensional Discontinuous Dynamical Systems. <i>RSME Springer Series</i> , 2020, , 21-33.	0.1	0