

Regilene D S Oliveira

List of Publications by Year in descending order

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papers

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48
all docs

48
docs citations

48
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	On the integrability and the zero-Hopf bifurcation of a Chen-Wang differential system. <i>Nonlinear Dynamics</i> , 2015, 80, 353-361.	5.2	23
2	Bi-center problem for some classes of Z systems. <i>Journal of Computational and Applied Mathematics</i> , 2017, 320, 61-75.	2.0	16
3	Phase portraits of quadratic polynomial vector fields having a rational first integral of degree 3. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 3549-3560.	1.1	13
4	GLOBAL PHASE PORTRAITS OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A SEMI-ELEMENTAL TRIPLE NODE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350140.	1.7	12
5	Problem for a quadratic system with a finite saddle-node. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 420, 1568-1591.	2.2	10
6	Quadratic systems with invariant straight lines of total multiplicity two having Darboux invariants. <i>Communications in Contemporary Mathematics</i> , 2015, 17, 1450018.	1.2	10
7	The center problem for a $(1:-1:-1)$ resonant quadratic system. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 420, 1568-1591.	1.0	9
8	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (C). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1530009.	1.7	9
9	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (A, B). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450044.	1.7	8
10	Structural Stability of Planar Quasihomogeneous Vector Fields. <i>Qualitative Theory of Dynamical Systems</i> , 2014, 13, 39-72.	1.7	8
11	On pairs of regular foliations in the plane. <i>Hokkaido Mathematical Journal</i> , 2002, 31, 523.	0.3	6
12	Local Integrability and Linearizability of a $(1:-1:-1)$ Resonant Quadratic System. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 597-613.	1.9	6
13	Limit cycles for a class of discontinuous piecewise generalized Kukles differential systems. <i>Nonlinear Dynamics</i> , 2018, 93, 2201-2212.	5.2	6
14	Singular levels and topological invariants of Morse Bott integrable systems on surfaces. <i>Journal of Differential Equations</i> , 2016, 260, 688-707.	2.2	5
15	On the Darboux integrability of a three-dimensional forced-damped differential system. <i>Journal of Nonlinear Mathematical Physics</i> , 2017, 24, 473.	1.3	5
16	Structurally Unstable Quadratic Vector Fields of Codimension Two: Families Possessing Either a Cusp Point or Two Finite Saddle-Nodes. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 1779-1821.	1.9	5
17	Limit cycles in uniform isochronous centers of discontinuous differential systems with four zones. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 3259-3272.	0.9	5
18	Global phase portraits of a SIS model. <i>Applied Mathematics and Computation</i> , 2013, 219, 4924-4930.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Topological Classification of Quadratic Polynomial Differential Systems with a Finite Semi-Elemental Triple Saddle. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650188.	1.7	4
20	Isochronicity of a \mathbb{Z}_2 -equivariant quintic system. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 467, 874-892.	1.0	4
21	Positive Quadratic Differential Forms: Topological Equivalence Through Newton Polyhedra. <i>Journal of Dynamical and Control Systems</i> , 2006, 12, 489-516.	0.8	3
22	Chaotic Behavior of a Generalized Sprott E Differential System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650083.	1.7	3
23	Cyclicity of some analytic maps. <i>Applied Mathematics and Computation</i> , 2017, 295, 114-125.	2.2	3
24	Final evolutions for simplified multistrain/two-stream model for tuberculosis and dengue fever. <i>Chaos, Solitons and Fractals</i> , 2019, 118, 181-186.	5.1	3
25	Symmetric centers on planar cubic differential systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020, 197, 111868.	1.1	3
26	Limit cycles for two classes of control piecewise linear differential systems. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2020, 14, 49-65.	0.4	3
27	Geometry, integrability and bifurcation diagrams of a family of quadratic differential systems as application of the Darboux theory of integrability. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021, , 1-90.	0.5	3
28	Linearizability problem of persistent centers. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2018, , 1-27.	0.5	3
29	On pairs of regular foliations in \mathbb{R}^3 and singularities of map-germs. <i>Geometriae Dedicata</i> , 2008, 135, 103-118.	0.3	2
30	An estimation for the number of limit cycles in a LiÅ©nard-like perturbation of a quadratic nonlinear center. <i>Nonlinear Dynamics</i> , 2015, 79, 185-194.	5.2	2
31	Quadratic systems with an invariant conic having Darboux invariants. <i>Communications in Contemporary Mathematics</i> , 2018, 20, 1750033.	1.2	2
32	Phase portraits for some symmetric Riccati cubic polynomial differential equations. <i>Topology and Its Applications</i> , 2018, 234, 220-237.	0.4	2
33	On the birth and death of algebraic limit cycles in quadratic differential systems. <i>European Journal of Applied Mathematics</i> , 2021, 32, 317-336.	2.9	2
34	Geometry and integrability of quadratic systems with invariant hyperbolas. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021, , 1-56.	0.5	2
35	On the Abel differential equations of third kind. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2020, 25, 1821-1834.	0.9	2
36	Polynomial integrability of Hamiltonian systems with homogeneous potentials of degree \hat{a}^k . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3876-3880.	2.1	1

#	ARTICLE	IF	CITATIONS
37	Global dynamical aspects of a generalized Chen–Wang differential system. <i>Nonlinear Dynamics</i> , 2016, 84, 1497-1516.	5.2	1
38	Quadratic slow-fast systems on the plane. <i>Nonlinear Analysis: Real World Applications</i> , 2021, 60, 103286.	1.7	1
39	Integrable systems on \mathbb{S}^3 . <i>Publicacions Matemàtiques</i> , 2014, EXTRA, 333-352.	0.5	1
40	Singular levels and topological invariants of Morse–Bott foliations on non orientable surfaces. <i>Topological Methods in Nonlinear Analysis</i> , 2017, 49, 1.	0.2	1
41	On the periodic solutions of the Michelson continuous and discontinuous piecewise linear differential system. <i>Computational and Applied Mathematics</i> , 2018, 37, 1550-1561.	1.3	0
42	Characterization and bifurcation diagram of the family of quadratic differential systems with an invariant ellipse in terms of invariant polynomials. <i>Revista Matemàtica Complutense</i> , 0, , 1.	1.2	0
43	On the limit cycle of a Belousov–Zhabotinsky differential systems. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	0
44	First-order perturbation for multi-parameter center families. <i>Journal of Differential Equations</i> , 2022, 309, 291-310.	2.2	0
45	Simultaneous Bifurcation of Limit Cycles and Critical Periods. <i>Qualitative Theory of Dynamical Systems</i> , 2022, 21, 1.	1.7	0
46	Dynamics of a Generalized Rayleigh System. <i>Differential Equations and Dynamical Systems</i> , 0, , 1.	1.0	0