

# Regilene D S Oliveira

## List of Publications by Year in descending order

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46  
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g-index

48  
all docs

48  
docs citations

48  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-order perturbation for multi-parameter center families. Journal of Differential Equations, 2022, 309, 291-310.	2.2	0
2	Simultaneous Bifurcation of Limit Cycles and Critical Periods. Qualitative Theory of Dynamical Systems, 2022, 21, 1.	1.7	0
3	Structurally Unstable Quadratic Vector Fields of Codimension Two: Families Possessing Either a Cusp Point or Two Finite Saddle-Nodes. Journal of Dynamics and Differential Equations, 2021, 33, 1779-1821.	1.9	5
4	On the birth and death of algebraic limit cycles in quadratic differential systems. European Journal of Applied Mathematics, 2021, 32, 317-336.	2.9	2
5	Geometry, integrability and bifurcation diagrams of a family of quadratic differential systems as application of the Darboux theory of integrability. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-90.	0.5	3
6	Quadratic slow-fast systems on the plane. Nonlinear Analysis: Real World Applications, 2021, 60, 103286.	1.7	1
7	Geometry and integrability of quadratic systems with invariant hyperbolas. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-56.	0.5	2
8	Symmetric centers on planar cubic differential systems. Nonlinear Analysis: Theory, Methods & Applications, 2020, 197, 111868.	1.1	3
9	Limit cycles for two classes of control piecewise linear differential systems. Sao Paulo Journal of Mathematical Sciences, 2020, 14, 49-65.	0.4	3
10	On the Abel differential equations of third kind. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 1821-1834.	0.9	2
11	Final evolutions for simplified multistrain/two-stream model for tuberculosis and dengue fever. Chaos, Solitons and Fractals, 2019, 118, 181-186.	5.1	3
12	Quadratic systems with an invariant conic having Darboux invariants. Communications in Contemporary Mathematics, 2018, 20, 1750033.	1.2	2
13	On the periodic solutions of the Michelson continuous and discontinuous piecewise linear differential system. Computational and Applied Mathematics, 2018, 37, 1550-1561.	1.3	0
14	Phase portraits for some symmetric Riccati cubic polynomial differential equations. Topology and Its Applications, 2018, 234, 220-237.	0.4	2
15	Limit cycles for a class of discontinuous piecewise generalized Kukles differential systems. Nonlinear Dynamics, 2018, 93, 2201-2212.	5.2	6
16	Isochronicity of a $Z_2$ -equivariant quintic system. Journal of Mathematical Analysis and Applications, 2018, 467, 874-892.	1.0	4
17	Linearizability problem of persistent centers. Electronic Journal of Qualitative Theory of Differential Equations, 2018, , 1-27.	0.5	3
18	Local Integrability and Linearizability of a $(1:-1:1)$ Resonant Quadratic System. Journal of Dynamics and Differential Equations, 2017, 29, 597-613.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Bi-center problem for some classes of $Z$ systems. Journal of Computational and Applied Mathematics, 2017, 320, 61-75.	2.0	16
20	On the Darboux integrability of a three-dimensional forced damped differential system. Journal of Nonlinear Mathematical Physics, 2017, 24, 473.	1.3	5
21	Cyclicity of some analytic maps. Applied Mathematics and Computation, 2017, 295, 114-125.	2.2	3
22	Limit cycles in uniform isochronous centers of discontinuous differential systems with four zones. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 3259-3272.	0.9	5
23	Singular levels and topological invariants of Morse-Bott foliations on non orientable surfaces. Topological Methods in Nonlinear Analysis, 2017, 49, 1.	0.2	1
24	Polynomial integrability of Hamiltonian systems with homogeneous potentials of degree $\hat{\sim}k$ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3876-3880.	2.1	1
25	Topological Classification of Quadratic Polynomial Differential Systems with a Finite Semi-Elemental Triple Saddle. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650188.	1.7	4
26	Chaotic Behavior of a Generalized Sprott E Differential System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650083.	1.7	3
27	Global dynamical aspects of a generalized Chen-Wang differential system. Nonlinear Dynamics, 2016, 84, 1497-1516.	5.2	1
28	Singular levels and topological invariants of Morse Bott integrable systems on surfaces. Journal of Differential Equations, 2016, 260, 688-707.	2.2	5
29	An estimation for the number of limit cycles in a LiÅ©nard-like perturbation of a quadratic nonlinear center. Nonlinear Dynamics, 2015, 79, 185-194.	5.2	2
30	Quadratic systems with invariant straight lines of total multiplicity two having Darboux invariants. Communications in Contemporary Mathematics, 2015, 17, 1450018.	1.2	10
31	On the integrability and the zero-Hopf bifurcation of a Chen-Wang differential system. Nonlinear Dynamics, 2015, 80, 353-361.	5.2	23
32	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (C). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530009.	1.7	9
33	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (A, B). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450044.	1.7	8
34	Structural Stability of Planar Quasihomogeneous Vector Fields. Qualitative Theory of Dynamical Systems, 2014, 13, 39-72.	1.7	8
35	The center problem for a quadratic system. Journal of Mathematical Analysis and Applications, 2014, 420, 1568-1591.	1.0	9
36	Integrable systems on $S^3$ . Publicacions Matemàtiques, 2014, EXTRA, 333-352.	0.5	1

#	ARTICLE	IF	CITATIONS
37	<p>er problem for a <math>\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle</math></p> <p>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</p>	2.2	10
38	Global phase portraits of a SIS model. Applied Mathematics and Computation, 2013, 219, 4924-4930.	2.2	4
39	GLOBAL PHASE PORTRAITS OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A SEMI-ELEMENTAL TRIPLE NODE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350140.	1.7	12
40	Phase portraits of quadratic polynomial vector fields having a rational first integral of degree 3. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 3549-3560.	1.1	13
41	On pairs of regular foliations in $\mathbb{R}^3$ and singularities of map-germs. Geometriae Dedicata, 2008, 135, 103-118.	0.3	2
42	Positive Quadratic Differential Forms: Topological Equivalence Through Newton Polyhedra. Journal of Dynamical and Control Systems, 2006, 12, 489-516.	0.8	3
43	On pairs of regular foliations in the plane. Hokkaido Mathematical Journal, 2002, 31, 523.	0.3	6
44	Characterization and bifurcation diagram of the family of quadratic differential systems with an invariant ellipse in terms of invariant polynomials. Revista Matematica Complutense, 0, , 1.	1.2	0
45	On the limit cycle of a Belousovâ€™Zhabotinsky differential systems. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0
46	Dynamics of a Generalized Rayleigh System. Differential Equations and Dynamical Systems, 0, , 1.	1.0	0