

# João Carlos Da Rocha J C R Medrado M

## List of Publications by Year in descending order

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20  
papers

293  
citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piecewise linear differential systems with two real saddles. Mathematics and Computers in Simulation, 2014, 95, 13-22.	4.4	60
2	Uniqueness of limit cycles for sewing planar piecewise linear systems. Journal of Mathematical Analysis and Applications, 2015, 431, 529-544.	1.0	42
3	Generic bifurcation of refracted systems. Advances in Mathematics, 2013, 234, 653-666.	1.1	26
4	Phase Portraits of Reversible Linear Differential Systems with Cubic Homogeneous Polynomial Nonlinearities Having a Non-degenerate Center at the Origin. Qualitative Theory of Dynamical Systems, 2009, 7, 369-403.	1.7	20
5	On the invariant hyperplanes for $d$ -dimensional polynomial vector fields. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 8385-8391.	2.1	19
6	Hopf and zero-Hopf bifurcations in the Hindmarsh-Rose system. Nonlinear Dynamics, 2016, 83, 1549-1556.	5.2	19
7	Symmetric singularities of reversible vector fields in dimension three. Physica D: Nonlinear Phenomena, 1998, 112, 122-131.	2.8	16
8	Darboux Integrability and Reversible Quadratic Vector Fields. Rocky Mountain Journal of Mathematics, 2005, 35, . of reversible quadratic vector field on $\mathbb{R}^3$	0.4	14
9	of reversible quadratic vector field on $\mathbb{R}^3$	1.0	13
10	Bifurcation of limit cycles from a centre in $\mathbb{R}^3$ in resonance 1:N. Dynamical Systems, 2009, 24, 123-137.	0.4	11
11	Limit cycles in 4-star-symmetric planar piecewise linear systems. Journal of Differential Equations, 2020, 268, 2414-2434.	2.2	11
12	Limit cycles of continuous and discontinuous piecewise-linear differential systems in $\mathbb{R}^3$ . Journal of Computational and Applied Mathematics, 2018, 338, 311-323.	2.0	8
13	On persistent centers. Bulletin Des Sciences Mathematiques, 2009, 133, 644-657.	1.0	7
14	Limit cycles, invariant meridians and parallels for polynomial vector fields on the torus. Bulletin Des Sciences Mathematiques, 2011, 135, 1-9.	1.0	7
15	Crossing limit cycles for piecewise linear differential centers separated by a reducible cubic curve. Electronic Journal of Qualitative Theory of Differential Equations, 2020, , 1-48.	0.5	7
16	Codimension-two singularities of reversible vector fields in 3D. Qualitative Theory of Dynamical Systems, 2001, 2, 399-428.	1.7	6
17	On the limit cycles of a class of piecewise linear differential systems in with two zones. Mathematics and Computers in Simulation, 2011, 82, 533-539.	4.4	5
18	Peixoto's Theorem for vector fields on $S^2$ with impasse points. Bulletin Des Sciences Mathematiques, 2013, 137, 691-704.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Limit cycles for Singular Perturbation Problems via Inverse Integrating Factor. Boletim Da Sociedade Paranaense De Matematica, 2008, 26, .	0.4	0
20	Three Crossing Limit Cycles in a 3D-Filippov System Having a T-Singularity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	0