Da Silva, Pr

List of Publications by Year
in descending order

36 papers	599 citations	687363 13 h-index	610901 24 g-index
36 all docs	36 docs citations	36 times ranked	239 citing authors

#	Article	IF	Citations
1	Piecewise holomorphic systems. Journal of Differential Equations, 2022, 332, 440-472.	2.2	0
2	Piecewise-Smooth Slow–Fast Systems. Journal of Dynamical and Control Systems, 2021, 27, 67-85.	0.8	4
3	Invariant Algebraic Surfaces and Impasses. Qualitative Theory of Dynamical Systems, 2021, 20, 1.	1.7	0
4	Bifurcations of the Riccati Quadratic Polynomial Differential Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150094.	1.7	1
5	Quadratic slow-fast systems on the plane. Nonlinear Analysis: Real World Applications, 2021, 60, 103286.	1.7	1
6	Slow–fast systems and sliding on codimension 2 switching manifolds. Dynamical Systems, 2019, 34, 613-639.	0.4	2
7	Sliding solutions of second‐order differential equations with discontinuous right‐hand side. Mathematical Methods in the Applied Sciences, 2017, 40, 5295-5306.	2.3	5
8	Regularization of discontinuous foliations: Blowing up and sliding conditions via Fenichel theory. Journal of Differential Equations, 2017, 263, 8362-8390.	2.2	18
9	Piecewise Implicit Differential Systems. Journal of Dynamics and Differential Equations, 2017, 29, 1519-1537.	1.9	0
10	Piecewise Bounded Quadratic Systems in the Plane. Differential Equations and Dynamical Systems, 2016, 24, 51-62.	1.0	2
11	Asymptotic Expansion of the Heteroclinic Bifurcation for the Planar Normal Form of the 1:2 Resonance. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650017.	1.7	2
12	Sliding vector fields for non-smooth dynamical systems having intersecting switching manifolds. Nonlinearity, 2015, 28, 493-507.	1.4	19
13	Persistence of periodic orbits with sliding or sewing by singular perturbation. Journal of Mathematical Analysis and Applications, 2015, 423, 1166-1182.	1.0	8
14	Three time scale singular perturbation problems and nonsmooth dynamical systems. Quarterly of Applied Mathematics, 2014, 72, 673-687.	0.7	6
15	Geometric singular perturbartion theory for non-smooth dynamical systems. Publicacions Matematiques, 2014, EXTRA, 111-134.	0.5	4
16	Closed poly-trajectories and Poincaré index of non-smooth vector fields on the plane. Journal of Dynamical and Control Systems, 2013, 19, 173-193.	0.8	17
17	Peixoto¼s Theorem for vector fields onS2with impasse points. Bulletin Des Sciences Mathematiques, 2013, 137, 691-704.	1.0	2
18	On singularly perturbed Filippov systems. European Journal of Applied Mathematics, 2013, 24, 835-856.	2.9	10

#	Article	IF	Citations
19	GLOBAL DYNAMICS IN THE POINCARÃ‰ BALL OF THE CHEN SYSTEM HAVING INVARIANT ALGEBRAIC SURFACES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250154.	1.7	26
20	Regularization and singular perturbation techniques for non-smooth systems. Physica D: Nonlinear Phenomena, 2012, 241, 1948-1955.	2.8	53
21	Implicit differential equations with impasse singularities and singular perturbation problems. Israel Journal of Mathematics, 2012, 189, 307-322.	0.8	8
22	Slowâ€"fast systems on algebraic varieties bordering piecewise-smooth dynamical systems. Bulletin Des Sciences Mathematiques, 2012, 136, 444-462.	1.0	9
23	Synchronization and Non-Smooth Dynamical Systems. Journal of Dynamics and Differential Equations, 2012, 24, 1-12.	1.9	1
24	Global dynamics of stationary solutions of the extended Fisherâ€"Kolmogorov equation. Journal of Mathematical Physics, 2011, 52, 112701.	1.1	8
25	GLOBAL DYNAMICS OF THE LORENZ SYSTEM WITH INVARIANT ALGEBRAIC SURFACES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3137-3155.	1.7	39
26	Study of Singularities in Nonsmooth Dynamical Systems via Singular Perturbation. SIAM Journal on Applied Dynamical Systems, 2009, 8, 508-526.	1.6	41
27	On the number of critical periods for planar polynomial systems. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 1889-1903.	1.1	25
28	On the global dynamics of the Rabinovich system. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 275210.	2.1	56
29	Limit cycles for Singular Perturbation Problems via Inverse Integrating Factor. Boletim Da Sociedade Paranaense De Matematica, 2008, 26, .	0.4	0
30	Sliding Vector Fields via Slow--Fast Systems. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2008, 15, .	0.2	35
31	On the dynamics of the Bianchi IX system. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 7187-7192.	2.1	5
32	Regularization of Discontinuous Vector Fields on $${\mathbb{R}^3}$$ via Singular Perturbation. Journal of Dynamics and Differential Equations, 2007, 19, 309-331.	1.9	92
33	3-dimensional Hopf bifurcation via averaging theory. Discrete and Continuous Dynamical Systems, 2007, 17, 529-540.	0.9	25
34	A singular approach to discontinuous vector fields on the plane. Journal of Differential Equations, 2006, 231, 633-655.	2.2	67
35	FOLD, TRANSCRITICAL AND PITCHFORK SINGULARITIES FOR TIME-REVERSIBLE SYSTEMS. , 2005, , .		0
36	Singular perturbation problems for time-reversible systems. Proceedings of the American Mathematical Society, 2005, 133, 3323-3331.	0.8	8