

Flaviano Battelli

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Periodic Solutions in Slowly Varying Discontinuous Differential Equations: A Non-Generic Case. Journal of Dynamics and Differential Equations, 2024, 36, 463-496.	1.9	1
2	General Melnikov Approach to Implicit ODEs. Journal of Dynamics and Differential Equations, 2022, 34, 365-397.	1.9	1
3	Periodic Solutions in Slowly Varying Discontinuous Differential Equations: The Generic Case. Mathematics, 2021, 9, 2449.	2.2	1
4	On the Poincaré-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations. Journal of Differential Equations, 2020, 268, 3725-3748.	2.2	12
5	An example of Silnikov focus—focus homoclinic orbits. Nonlinear Analysis: Theory, Methods & Applications, 2020, 201, 112110.	1.1	0
6	On the Exponents of Exponential Dichotomies. Mathematics, 2020, 8, 651.	2.2	2
7	Strongly Exponentially Separated Linear Difference Equations. Springer Proceedings in Mathematics and Statistics, 2020, , 149-186.	0.2	1
8	Strongly Exponentially Separated Linear Systems. Journal of Dynamics and Differential Equations, 2019, 31, 573-600.	1.9	4
9	On the existence of solutions connecting IK singularities and impasse points in fully nonlinear RLC circuits. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 3043-3061.	0.9	2
10	Blue sky-like catastrophe for reversible nonlinear implicit ODEs. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 895-922.	1.1	1
11	On the existence of solutions connecting singularities in nonlinear RLC circuits. Nonlinear Analysis: Theory, Methods & Applications, 2015, 116, 26-36.	1.1	5
12	Dynamics of generalized PT-symmetric dimers with time-periodic gain—loss. Nonlinear Dynamics, 2015, 81, 353-371.	5.2	8
13	Criteria for exponential dichotomy for triangular systems. Journal of Mathematical Analysis and Applications, 2015, 428, 525-543.	1.0	18
14	Melnikov theory for nonlinear implicit ODEs. Journal of Differential Equations, 2014, 256, 1157-1190.	2.2	9
15	On the chaotic behavior of non-flat billiards. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1442-1464.	3.3	2
16	Melnikov theory for weakly coupled nonlinear RLC circuits. Boundary Value Problems, 2014, 2014, .	0.7	3
17	Nonsmooth homoclinic orbits, Melnikov functions and chaos in discontinuous systems. Physica D: Nonlinear Phenomena, 2012, 241, 1962-1975.	2.8	55
18	Chaos in forced impact systems. Discrete and Continuous Dynamical Systems - Series S, 2012, 6, 861-890.	1.1	10

#	ARTICLE	IF	CITATIONS
19	Smoothness of Asymptotic Phase Revisited. <i>Advanced Nonlinear Studies</i> , 2011, 11, 837-851.	1.7	2
20	On the Chaotic Behaviour of Discontinuous Systems. <i>Journal of Dynamics and Differential Equations</i> , 2011, 23, 495-540.	1.9	24
21	An example of chaotic behaviour in presence of a sliding homoclinic orbit. <i>Annali Di Matematica Pura Ed Applicata</i> , 2010, 189, 615-642.	1.0	9
22	Bifurcation and chaos near sliding homoclinics. <i>Journal of Differential Equations</i> , 2010, 248, 2227-2262.	2.2	47
23	A remark about Sil'nikov saddle-focus homoclinic orbits. <i>Communications on Pure and Applied Analysis</i> , 2010, 10, 817-830.	0.8	6
24	Homoclinic Trajectories in Discontinuous Systems. <i>Journal of Dynamics and Differential Equations</i> , 2008, 20, 337-376.	1.9	45
25	Chaos arising near a topologically transversal homoclinic set. <i>Topological Methods in Nonlinear Analysis</i> , 2002, 20, 195.	0.2	9
26	Exponential dichotomies, heteroclinic orbits, and Melnikov functions. <i>Journal of Differential Equations</i> , 1990, 86, 342-366.	2.2	57