

# Cinzia Elia

## List of Publications by Year in descending order

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16  
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citing authors

#	ARTICLE	IF	CITATIONS
1	On Filippov solutions of discontinuous DAEs of index 1. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105656.	3.3	4
2	Existence of global attractor for a nonautonomous state-dependent delay differential equation of neuronal type. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104874.	3.3	2
3	Piecewise smooth systems near a co-dimension 2 discontinuity manifold: Can one say what should happen?. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 1039-1068.	1.1	7
4	Uniqueness of Filippov Sliding Vector Field on the Intersection of Two Surfaces in $\mathbb{R}^3$ and Implications for Stability of Periodic Orbits. Journal of Nonlinear Science, 2015, 25, 1453-1471.	2.1	6
5	Sharp sufficient attractivity conditions for sliding on a co-dimension 2 discontinuity surface. Mathematics and Computers in Simulation, 2015, 110, 3-14.	4.4	8
6	Periodic Orbits for Planar Piecewise Smooth Systems with a Line of Discontinuity. Journal of Dynamics and Differential Equations, 2014, 26, 1049-1078.	1.9	14
7	On the Equivalence between the Sigmoidal Approach and Utkin's Approach for Piecewise-Linear Models of Gene Regulatory Networks. SIAM Journal on Applied Dynamical Systems, 2014, 13, 1270-1292.	1.6	15
8	Rotation Number and Exponential Dichotomy for Linear Hamiltonian Systems: From Theoretical to Numerical Results. Journal of Dynamics and Differential Equations, 2013, 25, 95-120.	1.9	5
9	A Filippov sliding vector field on an attracting co-dimension 2 discontinuity surface, and a limited loss-of-attractivity analysis. Journal of Differential Equations, 2013, 254, 1800-1832.	2.2	42
10	Detecting exponential dichotomy on the real line: SVD and QR algorithms. BIT Numerical Mathematics, 2011, 51, 555-579.	2.0	18
11	Exponential dichotomy on the real line: SVD and QR methods. Journal of Differential Equations, 2010, 248, 287-308.	2.2	27
12	SVD algorithms to approximate spectra of dynamical systems. Mathematics and Computers in Simulation, 2008, 79, 1235-1254.	4.4	20
13	The singular value decomposition to approximate spectra of dynamical systems. Theoretical aspects. Journal of Differential Equations, 2006, 230, 502-531.	2.2	24
14	Smooth SVD on the Lorentz group with application to computation of Lyapunov exponents. Journal of Computational and Applied Mathematics, 2004, 164-165, 255-264.	2.0	6
15	Computation of few Lyapunov exponents by geodesic based algorithms. Future Generation Computer Systems, 2003, 19, 425-430.	7.5	3
16	Exponential monotonicity of quadratic forms in ODEs and preserving methods. Future Generation Computer Systems, 2003, 19, 1187-1195.	7.5	1