

# Cinzia Elia

## List of Publications by Year in descending order

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16  
papers

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citations

1307543

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docs citations

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109  
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#	ARTICLE	IF	CITATIONS
1	A Filippov sliding vector field on an attracting co-dimension 2 discontinuity surface, and a limited loss-of-attractivity analysis. <i>Journal of Differential Equations</i> , 2013, 254, 1800-1832.	2.2	42
2	Exponential dichotomy on the real line: SVD and QR methods. <i>Journal of Differential Equations</i> , 2010, 248, 287-308.	2.2	27
3	The singular value decomposition to approximate spectra of dynamical systems. Theoretical aspects. <i>Journal of Differential Equations</i> , 2006, 230, 502-531.	2.2	24
4	SVD algorithms to approximate spectra of dynamical systems. <i>Mathematics and Computers in Simulation</i> , 2008, 79, 1235-1254.	4.4	20
5	Detecting exponential dichotomy on the real line: SVD and QR algorithms. <i>BIT Numerical Mathematics</i> , 2011, 51, 555-579.	2.0	18
6	On the Equivalence between the Sigmoidal Approach and Utkin's Approach for Piecewise-Linear Models of Gene Regulatory Networks. <i>SIAM Journal on Applied Dynamical Systems</i> , 2014, 13, 1270-1292.	1.6	15
7	Periodic Orbits for Planar Piecewise Smooth Systems with a Line of Discontinuity. <i>Journal of Dynamics and Differential Equations</i> , 2014, 26, 1049-1078.	1.9	14
8	Sharp sufficient attractivity conditions for sliding on a co-dimension 2 discontinuity surface. <i>Mathematics and Computers in Simulation</i> , 2015, 110, 3-14.	4.4	8
9	Piecewise smooth systems near a co-dimension 2 discontinuity manifold: Can one say what should happen?. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2016, 9, 1039-1068.	1.1	7
10	Smooth SVD on the Lorentz group with application to computation of Lyapunov exponents. <i>Journal of Computational and Applied Mathematics</i> , 2004, 164-165, 255-264.	2.0	6
11	Uniqueness of Filippov Sliding Vector Field on the Intersection of Two Surfaces in $\mathbb{R}^3$ and Implications for Stability of Periodic Orbits. <i>Journal of Nonlinear Science</i> , 2015, 25, 1453-1471.	2.1	6
12	Rotation Number and Exponential Dichotomy for Linear Hamiltonian Systems: From Theoretical to Numerical Results. <i>Journal of Dynamics and Differential Equations</i> , 2013, 25, 95-120.	1.9	5
13	On Filippov solutions of discontinuous DAEs of index 1. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105656.	3.3	4
14	Computation of few Lyapunov exponents by geodesic based algorithms. <i>Future Generation Computer Systems</i> , 2003, 19, 425-430.	7.5	3
15	Existence of global attractor for a nonautonomous state-dependent delay differential equation of neuronal type. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 78, 104874.	3.3	2
16	Exponential monotonicity of quadratic forms in ODEs and preserving methods. <i>Future Generation Computer Systems</i> , 2003, 19, 1187-1195.	7.5	1