

Cinzia Elia

List of Publications by Year in descending order

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16
papers

202
citations

1307594

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h-index

1058476

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17
all docs

17
docs citations

17
times ranked

109
citing authors

| # | 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 |