

Joan ArtÃ©s

List of Publications by Year in descending order

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papers

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1040056

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25
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citing authors

#	ARTICLE	IF	CITATIONS
1	Piecewise linear differential systems with two real saddles. <i>Mathematics and Computers in Simulation</i> , 2014, 95, 13-22.	4.4	60
2	THE GEOMETRY OF QUADRATIC DIFFERENTIAL SYSTEMS WITH A WEAK FOCUS OF SECOND ORDER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 3127-3194.	1.7	48
3	On the number of invariant straight lines for polynomial differential systems. <i>Pacific Journal of Mathematics</i> , 1998, 184, 207-230.	0.5	38
4	SINGULAR POINTS OF QUADRATIC SYSTEMS: A COMPLETE CLASSIFICATION IN THE COEFFICIENT SPACE \mathbb{R}^2 . <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 313-362.	1.7	24
5	Structurally stable quadratic vector fields. <i>Memoirs of the American Mathematical Society</i> , 1998, 134, 0-0.	0.9	16
6	Quadratic systems with a polynomial first integral: A complete classification in the coefficient space \mathbb{R}^{12} . <i>Journal of Differential Equations</i> , 2009, 246, 3535-3558.	2.2	14
7	GLOBAL PHASE PORTRAITS OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A SEMI-ELEMENTAL TRIPLE NODE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350140.	1.7	12
8	Quadratic systems with an integrable saddle: A complete classification in the coefficient space. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 5416-5447.	1.1	9
9	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (C). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1530009.	1.7	9
10	Global Topological Configurations of Singularities for the Whole Family of Quadratic Differential Systems. <i>Qualitative Theory of Dynamical Systems</i> , 2020, 19, 1.	1.7	9
11	Quadratic systems with a rational first integral of degree 2: A complete classification in the coefficient space \mathbb{R}^{12} . <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2007, 56, 417-444.	1.3	8
12	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (A, B). <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450044.	1.7	8
13	Phase Portraits for Quadratic Systems Having a Focus and One Antisaddle. <i>Rocky Mountain Journal of Mathematics</i> , 1994, 24, 875.	0.4	7
14	Limit cycles near hyperbolas in quadratic systems. <i>Journal of Differential Equations</i> , 2009, 246, 235-260.	2.2	7
15	THE GEOMETRY OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A WEAK FOCUS AND AN INVARIANT STRAIGHT LINE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 3627-3662.	1.7	6
16	Geometric configurations of singularities for quadratic differential systems with three distinct real simple finite singularities. <i>Journal of Fixed Point Theory and Applications</i> , 2013, 14, 555-618.	1.1	5
17	Structurally Unstable Quadratic Vector Fields of Codimension Two: Families Possessing Either a Cusp Point or Two Finite Saddle-Nodes. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 1779-1821.	1.9	5
18	A Correction to the Paper "Quadratic Hamiltonian Vector Fields". <i>Journal of Differential Equations</i> , 1996, 129, 559-560.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Quadratic systems with a rational first integral of degree three: a complete classification in the coefficient space $\hat{\mathbb{A}}^2$. Rendiconti Del Circolo Matematico Di Palermo, 2010, 59, 419-449.	1.3	4
20	Global Configurations of Singularities for Quadratic Differential Systems with Total Finite Multiplicity Three and at Most Two Real Singularities. Qualitative Theory of Dynamical Systems, 2014, 13, 305-351.	1.7	4
21	Uniform isochronous cubic and quartic centers: Revisited. Journal of Computational and Applied Mathematics, 2017, 313, 448-453.	2.0	4
22	Global configurations of singularities for quadratic differential systems with exactly three finite singularities of total multiplicity four. Electronic Journal of Qualitative Theory of Differential Equations, 2015, , 1-60.	0.5	3
23	Invariant conditions for phase portraits of quadratic systems with complex conjugate invariant lines meeting at a finite point. Rendiconti Del Circolo Matematico Di Palermo, 2020, 70, 923.	1.3	1
24	Global configurations of singularities for quadratic differential systems with exactly two finite singularities of total multiplicity four. Electronic Journal of Qualitative Theory of Differential Equations, 2014, , 1-43.	0.5	1
25	A universal constant for semistable limit cycles. Computational and Applied Mathematics, 2011, 30, 463-483.	2.2	0