Joan Artés

List of Publications by Year in descending order

25 papers	**306** citations	1040056 **9** h-index
25 all docs	**25** docs citations	**25** times ranked

888059 **17** g-index

91 citing authors

#	Article	IF	Citations
1	Structurally Unstable Quadratic Vector Fields of Codimension Two: Families Possessing Either a Cusp Point or Two Finite Saddle-Nodes. Journal of Dynamics and Differential Equations, 2021, 33, 1779-1821.	1.9	5
2	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
3	Global Topological Configurations of Singularities for the Whole Family of Quadratic Differential Systems. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	1.7	9
4	Uniform isochronous cubic and quartic centers: Revisited. Journal of Computational and Applied Mathematics, 2017, 313, 448-453.	2.0	4
5	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (C). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530009.	1.7	9
6	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
7	The Geometry of Quadratic Polynomial Differential Systems with a Finite and an Infinite Saddle-Node (A, B). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450044.	1.7	8
8	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
9	Piecewise linear differential systems with two real saddles. Mathematics and Computers in Simulation, 2014, 95, 13-22.	4.4	60
10	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
11	Geometric configurations of singularities for quadratic differential systems with three distinct real simple finite singularities. Journal of Fixed Point Theory and Applications, 2013, 14, 555-618.	1.1	5
12	GLOBAL PHASE PORTRAITS OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A SEMI-ELEMENTAL TRIPLE NODE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350140.	1.7	12
13	Quadratic systems with an integrable saddle: A complete classification in the coefficient space. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 5416-5447.	1.1	9
14	A universal constant for semistable limit cycles. Computational and Applied Mathematics, 2011, 30, 463-483.	2.2	0
15	Quadratic systems with a rational first integral of degree three: a complete classification in the coefficient space $\mathbb{R}^{12}$. Rendiconti Del Circolo Matematico Di Palermo, 2010, 59, 419-449.	1.3	4
16	THE GEOMETRY OF QUADRATIC POLYNOMIAL DIFFERENTIAL SYSTEMS WITH A WEAK FOCUS AND AN INVARIANT STRAIGHT LINE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3627-3662.	1.7	6
17	Limit cycles near hyperbolas in quadratic systems. Journal of Differential Equations, 2009, 246, 235-260.	2.2	7
18	Quadratic systems with a polynomial first integral: A complete classification in the coefficient space $\mathbb{R}^{12}$. Journal of Differential Equations, 2009, 246, 3535-3558.	2.2	14

#	Article	IF	Citations
19	SINGULAR POINTS OF QUADRATIC SYSTEMS: A COMPLETE CLASSIFICATION IN THE COEFFICIENT SPACE â„12. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 313-362.	1.7	24
20	Quadratic systems with a rational first integral of degree 2: A complete classification in the coefficient space $$\mathbb{R}^{12} $$. Rendiconti Del Circolo Matematico Di Palermo, 2007, 56, 417-444.	1.3	8
21	THE GEOMETRY OF QUADRATIC DIFFERENTIAL SYSTEMS WITH A WEAK FOCUS OF SECOND ORDER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3127-3194.	1.7	48
22	Structurally stable quadratic vector fields. Memoirs of the American Mathematical Society, 1998, 134, 0-0.	0.9	16
23	On the number of invariant straight lines for polynomial differential systems. Pacific Journal of Mathematics, 1998, 184, 207-230.	0.5	38
24	A Correction to the Paper â€œQuadratic Hamiltonian Vector Fieldsâ€. Journal of Differential Equations, 1996, 129, 559-560.	2.2	4
25	Phase Portraits for Quadratic Systems Having a Focus and One Antisaddle. Rocky Mountain Journal of Mathematics, 1994, 24, 875.	0.4	7