Armengol Gasull

List of Publications by Year
in descending order

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185 papers	2,748 citations	201385 27 h-index	276539 41 g-index
186 all docs	186 docs citations	186 times ranked	519 citing authors

#	Article	IF	Citations
1	Pointwise periodic maps with quantized first integrals. Communications in Nonlinear Science and Numerical Simulation, 2022, 108, 106150.	1.7	1
2	On the equilateral pentagonal central configurations. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106511.	1.7	1
3	Phase Portraits of Random Planar Homogeneous Vector Fields. Qualitative Theory of Dynamical Systems, 2021, 20, 1.	0.8	3
4	Stability index of linear random dynamical systems. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-27.	0.2	2
5	Some open problems in low dimensional dynamical systems. SeMA Journal, 2021, 78, 233-269.	1.0	13
6	The local period function for Hamiltonian systems with applications. Journal of Differential Equations, 2021, 280, 590-617.	1.1	1
7	Limit cycles for some families of smooth and non-smooth planar systems. Nonlinear Analysis: Theory, Methods & Applications, 2021, 207, 112298.	0.6	2
8	Solving polynomials with ordinary differential equations. , 2021, , .		0
9	Persistence of periodic traveling waves and Abelian integrals. Journal of Differential Equations, 2021, 293, 48-69.	1.1	0
10	Effectiveness of the Bendixsonâ€“Dulac theorem. Journal of Differential Equations, 2021, 305, 347-367.	1.1	3
11	Highest weak focus order for trigonometric LiÃ©nard equations. Annali Di Matematica Pura Ed Applicata, 2020, 199, 1673-1684.	0.5	3
12	A Chebyshev criterion with applications. Journal of Differential Equations, 2020, 269, 6641-6655.	1.1	4
13	Asymptotic Dynamics of a Difference Equation with a Parabolic Equilibrium. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	0.8	0
14	A dynamic Parrondoâ€™s paradox for continuous seasonal systems. Nonlinear Dynamics, 2020, 102, 1033-1043.	2.7	0
15	A new approach for the study of limit cycles. Journal of Differential Equations, 2020, 269, 6269-6292.	1.1	1
16	Many periodic solutions for a second order cubic periodic differential equation. Monatshefte Fur Mathematik, 2020, 193, 555-572.	0.5	2
17	A Note on the Lyapunov and Period Constants. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	0.8	6
18	Around some extensions of Casas-Alvero conjecture for non-polynomial functions. Extracta Mathematicae, 2020, 35, 221-228.	0.1	1

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19	Periodic orbits of discrete and continuous dynamical systems via PoincarÃ©-Miranda theorem. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 651-670.	0.5	1
20	Smooth linearisation of planar periodic maps. Mathematical Proceedings of the Cambridge Philosophical Society, 2019, 167, 295-320.	0.3	3
21	Difference Equations Everywhere: Some Motivating Examples. Springer Proceedings in Mathematics and Statistics, 2019, , 129-167.	0.1	2
22	Fixed and moving limit cycles for LiÃ©nard equations. Annali Di Matematica Pura Ed Applicata, 2019, 198, 1985-2006.	0.5	4
23	Rational Parameterizations Approach for Solving Equations in Some Dynamical Systems Problems. Qualitative Theory of Dynamical Systems, 2019, 18, 583-602.	0.8	4
24	Periodic solutions of linear, Riccati, and Abel dynamic equations. Journal of Mathematical Analysis and Applications, 2019, 470, 733-749.	0.5	4
25	Limit Cycles for Piecewise Linear Differential Systems via PoincarÃ©â€“Miranda Theorem. Trends in Mathematics, 2019, , 51-55.	0.1	0
26	Subseries and signed series. Communications on Pure and Applied Analysis, 2019, 18, 479-492.	0.4	0
27	Algebraic Limit Cycles in Piecewise Linear Differential Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850039.	0.7	6
28	Periodic points of a Landen transformation. Communications in Nonlinear Science and Numerical Simulation, 2018, 64, 232-245.	1.7	3
29	Bifurcation of 2-periodic orbits from non-hyperbolic fixed points. Journal of Mathematical Analysis and Applications, 2018, 457, 568-584.	0.5	1
30	Parrondo's dynamic paradox for the stability of non-hyperbolic fixed points. Discrete and Continuous Dynamical Systems, 2018, 38, 889-904.	0.5	4
31	Localizing Limit Cycles: From Numeric to Analytical Results. Trends in Mathematics, 2018, , 7-11.	0.1	0
32	Detection of Special Curves Via the Double Resultant. Qualitative Theory of Dynamical Systems, 2017, 16, 101-117.	0.8	2
33	Global behaviour of the period function of the sum of two quasi-homogeneous vector fields. Journal of Mathematical Analysis and Applications, 2017, 449, 1553-1569.	0.5	4
34	Integrability of LiÃ©nard systems with a weak saddle. Zeitschrift Fur Angewandte Mathematik Und Physik, 2017, 68, 1.	0.7	9
35	Center problem for trigonometric LiÃ©nard systems. Journal of Differential Equations, 2017, 263, 3928-3942.	1.1	4
36	On the number of polynomial solutions of Bernoulli and Abel polynomial differential equations. Journal of Differential Equations, 2017, 263, 7099-7122.	1.1	16

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37	Quantitative analysis of competition models. Nonlinear Analysis: Real World Applications, 2017, 38, 327-347.	0.9	3
38	EFFECTIVE CONSTRUCTION OF POINCARÉ-BENDIXSON REGIONS. Journal of Applied Analysis and Computation, 2017, 7, 1549-1569.	0.2	1
39	Weak periodic solutions of <i>xä°‹/i> + 1 = 0 and the Harmonic Balance Method. Journal of Physics: Conference Series, 2017, 811, 012003.	0.3	1
40	On the number of limit cycles for perturbed pendulum equations. Journal of Differential Equations, 2016, 261, 2141-2167.	1.1	20
41	The number of polynomial solutions of polynomial Riccati equations. Journal of Differential Equations, 2016, 261, 5071-5093.	1.1	15
42	Different Approaches to the Global Periodicity Problem. Springer Proceedings in Mathematics and Statistics, 2016, , 85-106.	0.1	2
43	Center problem for systems with two monomial nonlinearities. Communications on Pure and Applied Analysis, 2016, 15, 577-598.	0.4	5
44	Linearization of planar homeomorphisms with a compact attractor. Topological Methods in Nonlinear Analysis, 2016, 48, 1.	0.2	2
45	Stability of singular limit cycles for Abel equations. Discrete and Continuous Dynamical Systems, 2015, 35, 1873-1890.	0.5	12
46	The period function and the Harmonic Balance Method. Bulletin Des Sciences Mathematiques, 2015, 139, 33-60.	0.5	6
47	Seeking Darboux Polynomials. Acta Applicandae Mathematicae, 2015, 139, 167-186.	0.5	16
48	Vector fields with homogeneous nonlinearities and many limit cycles. Journal of Differential Equations, 2015, 258, 3286-3303.	1.1	12
49	Explicit travelling waves and invariant algebraic curves. Nonlinearity, 2015, 28, 1597-1606.	0.6	13
50	Maxima of Gamma random variables and other Weibull-like distributions and the Lambert $$varvec{W}$$ W function. Test, 2015, 24, 714-733.	0.7	11
51	Limit cycles for 3-monomial differential equations. Journal of Mathematical Analysis and Applications, 2015, 428, 735-749.	0.5	7
52	Non-integrability of measure preserving maps via Lie symmetries. Journal of Differential Equations, 2015, 259, 5115-5136.	1.1	7
53	On the norming constants for normal maxima. Journal of Mathematical Analysis and Applications, 2015, 422, 376-396.	0.5	5
54	Bifurcation values for a family of planar vector fields of degree five. Discrete and Continuous Dynamical Systems, 2015, 35, 669-701.	0.5	12

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55	Linearization of planar involutions in $${mathcal C}^1$$ C 1. Annali Di Matematica Pura Ed Applicata, 2015, 194, 1349-1357.	0.5	2
56	Basin of attraction of triangular maps with applications. Journal of Difference Equations and Applications, 2014, 20, 423-437.	0.7	5
57	Traveling surface waves of moderate amplitude in shallow water. Nonlinear Analysis: Theory, Methods & Applications, 2014, 102, 105-119.	0.6	15
58	Bifurcation diagram and stability for a one-parameter family of planar vector fields. Journal of Mathematical Analysis and Applications, 2014, 413, 321-342.	0.5	6
59	Approximating Mills ratio. Journal of Mathematical Analysis and Applications, 2014, 420, 1832-1853.	0.5	30
60	Non-algebraic oscillations for predator-prey models. Publicacions Matematiques, 2014, EXTRA, 195-207.	0.2	1
61	On the global asymptotic stability of difference equations satisfying a Markus-Yamabe condition. Publicacions Matematiques, 2014, EXTRA, 167-178.	0.2	0
62	Integrability and non-integrability of periodic non-autonomous Lyness recurrences. Dynamical Systems, 2013, 28, 518-538.	0.2	10
63	A proof of PerkoÊ¼s conjectures for the Bogdanovâ€“Takens system. Journal of Differential Equations, 2013, 255, 2655-2671.	1.1	6
64	Explicit upper and lower bounds for the traveling wave solutions of Fisher-Kolmogorov type equations. Discrete and Continuous Dynamical Systems, 2013, 33, 3567-3582.	0.5	6
65	An explicit bound of the number of vanishing double moments forcing composition. Journal of Differential Equations, 2013, 255, 339-350.	1.1	14
66	A theoretical basis for the Harmonic Balance Method. Journal of Differential Equations, 2013, 254, 67-80.	1.1	19
67	A simple solution of some composition conjectures for Abel equations. Journal of Mathematical Analysis and Applications, 2013, 398, 477-486.	0.5	24
68	GLOBAL PERIODICITY CONDITIONS FOR MAPS AND RECURRENCES VIA NORMAL FORMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350182.	0.7	5
69	Some Applications of the Extended Bendixson-Dulac Theorem. Springer Proceedings in Mathematics and Statistics, 2013, , 233-252.	0.1	9
70	On Coxeter recurrences. Journal of Difference Equations and Applications, 2012, 18, 1457-1465.	0.7	4
71	NONAUTONOMOUS TWO-PERIODIC GUMOVSKIâ€“MIRA DIFFERENCE EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250264.	0.7	6
72	Simple examples of planar involutions with non-global Montgomeryâ€“Bochner linearizations. Applied Mathematics Letters, 2012, 25, 2086-2088.	1.5	4

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73	Upper bounds for the number of zeroes for some Abelian integrals. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 5169-5179.	0.6	28
74	Periodic orbits for perturbed non-autonomous differential equations. Bulletin Des Sciences Mathematiques, 2012, 136, 803-819.	0.5	8
75	Limit cycles for two families of cubic systems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 6402-6417.	0.6	4
76	On 2- and 3-periodic Lyness difference equations. Journal of Difference Equations and Applications, 2012, 18, 849-864.	0.7	11
77	Centers for Trigonometric Abel Equations. Qualitative Theory of Dynamical Systems, 2012, 11, 19-37.	0.8	26
78	Limit cycles appearing from the perturbation of a system with a multiple line of critical points. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 278-285.	0.6	25
79	A new Chebyshev family with applications to Abel equations. Journal of Differential Equations, 2012, 252, 1635-1641.	1.1	19
80	On the Chebyshev property for a new family of functions. Journal of Mathematical Analysis and Applications, 2012, 387, 631-644.	0.5	16
81	Global linearization of periodic difference equations. Discrete and Continuous Dynamical Systems, 2012, 32, 1575-1595.	0.5	6
82	Rational periodic sequences for the Lyness recurrence. Discrete and Continuous Dynamical Systems, 2012, 32, 587-604.	0.5	4
83	New periodic recurrences with applications. Journal of Mathematical Analysis and Applications, 2011, 382, 418-425.	0.5	4
84	On Ponceletâ€™s maps. Computers and Mathematics With Applications, 2010, 60, 1457-1464.	1.4	5
85	Absolute cyclicity, Lyapunov quantities and center conditions. Journal of Mathematical Analysis and Applications, 2010, 366, 297-309.	0.5	2
86	Chini Equations and Isochronous Centers in Three-Dimensional Differential Systems. Qualitative Theory of Dynamical Systems, 2010, 9, 29-38.	0.8	5
87	Cyclicity versus Center Problem. Qualitative Theory of Dynamical Systems, 2010, 9, 101-113.	0.8	14
88	On the number of critical periods for planar polynomial systems of arbitrary degree. Journal of Differential Equations, 2010, 249, 684-692.	1.1	17
89	Some results on homoclinic and heteroclinic connections in planar systems. Nonlinearity, 2010, 23, 2977-3001.	0.6	14
90	A note on the period function for certain planar vector fields. Journal of Difference Equations and Applications, 2010, 16, 631-645.	0.7	4

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91	Topological classification of polynomial complex differential equations with all the critical points of centre type. Journal of Difference Equations and Applications, 2010, 16, 411-423.	0.7	10
92	Upper bounds for the number of limit cycles of some planar polynomial differential systems. Discrete and Continuous Dynamical Systems, 2010, 27, 217-229.	0.5	8
93	LIMIT CYCLES FOR SOME ABEL EQUATIONS HAVING COEFFICIENTS WITHOUT FIXED SIGNS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3869-3876.	0.7	24
94	Configurations of critical points in complex polynomial differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 923-934.	0.6	10
95	On persistent centers. Bulletin Des Sciences Mathematiques, 2009, 133, 644-657.	0.5	7
96	One-dimensional quaternion homogeneous polynomial differential equations. Journal of Mathematical Physics, 2009, 50, 082705.	0.5	26
97	New criteria for the existence and non-existence of limit cycles in LiÃ©nard differential systems. Dynamical Systems, 2009, 24, 171-185.	0.2	9
98	Limit cycles for cubic systems with a symmetry of order 4 and without infinite critical points. Proceedings of the American Mathematical Society, 2008, 136, 1035-1043.	0.4	5
99	Bifurcation of Limit Cycles from a Polynomial Non-global Center. Journal of Dynamics and Differential Equations, 2008, 20, 945-960.	1.0	22
100	On the critical periods of perturbed isochronous centers. Journal of Differential Equations, 2008, 244, 696-715.	1.1	20
101	Studying discrete dynamical systems through differential equations. Journal of Differential Equations, 2008, 244, 630-648.	1.1	21
102	Simultaneous bifurcation of limit cycles from two nests of periodic orbits. Journal of Mathematical Analysis and Applications, 2008, 341, 813-824.	0.5	12
103	Lower bounds for the number of limit cycles of trigonometric Abel equations. Journal of Mathematical Analysis and Applications, 2008, 342, 682-693.	0.5	16
104	Bifurcation of critical periods from the rigid quadratic isochronous vector field. Bulletin Des Sciences Mathematiques, 2008, 132, 292-312.	0.5	19
105	On the number of critical periods for planar polynomial systems. Nonlinear Analysis: Theory, Methods & Applications, 2008, 69, 1889-1903.	0.6	25
106	Some properties of thek-dimensional Lyness' map. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 285205.	0.7	11
107	On the stability of periodic orbits for differential systems in $mathbb{R}^n$. Discrete and Continuous Dynamical Systems - Series B, 2008, 10, 495-509.	0.5	3
108	Dynamics of the third order Lyness' difference equation. Journal of Difference Equations and Applications, 2007, 13, 855-884.	0.7	20

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109	Limit cycles and Lie symmetries. Bulletin Des Sciences Mathematiques, 2007, 131, 501-517.	0.5	8
110	On the number of limit cycles of some systems on the cylinder. Bulletin Des Sciences Mathematiques, 2007, 131, 620-637.	0.5	3
111	Explicit non-algebraic limit cycles for polynomial systems. Journal of Computational and Applied Mathematics, 2007, 200, 448-457.	1.1	25
112	Periodic orbits in complex Abel equations. Journal of Differential Equations, 2007, 232, 314-328.	1.1	13
113	A new uniqueness criterion for the number of periodic orbits of Abel equations. Journal of Differential Equations, 2007, 234, 161-176.	1.1	39
114	Multiplicity of limit cycles and analytic m-solutions for planar differential systems. Journal of Differential Equations, 2007, 240, 375-398.	1.1	4
115	On the number of limit cycles bifurcating from a non-global degenerated center. Journal of Mathematical Analysis and Applications, 2007, 329, 268-280.	0.5	9
116	The third order Melnikov function of a quadratic center under quadratic perturbations. Journal of Mathematical Analysis and Applications, 2007, 331, 443-454.	0.5	25
117	Local and global phase portrait of equation $dot z=f(z)$. Discrete and Continuous Dynamical Systems, 2007, 17, 309-329.	0.5	20
118	Characterizing asymptotic stability with Dulac functions. Discrete and Continuous Dynamical Systems, 2007, 17, 59-76.	0.5	3
119	On a criterium of global attraction for discrete dynamical systems. Communications on Pure and Applied Analysis, 2006, 5, 537-550.	0.4	2
120	On the period function for a family of complex differential equations. Journal of Differential Equations, 2006, 224, 314-331.	1.1	8
121	Generating limit cycles from a nilpotent critical point via normal forms. Journal of Mathematical Analysis and Applications, 2006, 318, 271-287.	0.5	64
122	Global periodicity and complete integrability of discrete dynamical systems. Journal of Difference Equations and Applications, 2006, 12, 697-716.	0.7	27
123	LIMIT CYCLES FOR GENERALIZED ABEL EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3737-3745.	0.7	34
124	DYNAMICS OF SOME RATIONAL DISCRETE DYNAMICAL SYSTEMS VIA INVARIANTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 631-645.	0.7	25
125	Upper bounds for the number of limit cycles through linear differential equations. Pacific Journal of Mathematics, 2006, 226, 277-296.	0.2	15
126	SOME RESULTS ON RIGID SYSTEMS. , 2005, , .		4

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127	On the period of the limit cycles appearing in one-parameter bifurcations. Journal of Differential Equations, 2005, 213, 255-288.	1.1	14
128	Limit cycles for rigid cubic systems. Journal of Mathematical Analysis and Applications, 2005, 303, 391-404.	0.5	35
129	MONODROMY AND STABILITY FOR NILPOTENT CRITICAL POINTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1253-1265.	0.7	69
130	A characterization of isochronous centres in terms of symmetries. Revista Matematica Iberoamericana, 2004, 20, 205-222.	0.4	14
131	On Periodic Rational Difference Equations of Orderk. Journal of Difference Equations and Applications, 2004, 10, 549-559.	0.7	19
132	The period function for second-order quadratic ODEs is monotone. Qualitative Theory of Dynamical Systems, 2004, 4, 329-352.	0.8	18
133	First derivative of the period function with applications. Journal of Differential Equations, 2004, 204, 139-162.	1.1	38
134	Exact number of limit cycles for a family of rigid systems. Proceedings of the American Mathematical Society, 2004, 133, 751-758.	0.4	16
135	First derivative of the period function with applications. , 2004, 204, 139-139.		6
136	Center-Focus Problem for Discontinuous Planar Differential Equations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1755-1765.	0.7	74
137	A Darboux-type Theory of Integrability for Discrete Dynamical Systems. Journal of Difference Equations and Applications, 2002, 8, 1171-1191.	0.7	16
138	Monodromy and Stability of a Class of Degenerate Planar Critical Points. Journal of Differential Equations, 2002, 182, 169-190.	1.1	24
139	A New Criterion for Controlling the Number of Limit Cycles of Some Generalized LiÃ©nard Equations. Journal of Differential Equations, 2002, 185, 54-73.	1.1	27
140	Period function for perturbed isochronous centres. Qualitative Theory of Dynamical Systems, 2002, 3, 275-284.	0.8	16
141	Stability of certain planar unbounded polycycles. Journal of Mathematical Analysis and Applications, 2002, 269, 332-351.	0.5	7
142	Chebyshev property of complete elliptic integrals and its application to abelian integrals. Pacific Journal of Mathematics, 2002, 202, 341-361.	0.2	24
143	A new algorithm for the computation of the Lyapunov constants for some degenerated critical points. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 4479-4490.	0.6	37
144	Degenerate Hopf Bifurcations in Discontinuous Planar Systems. Journal of Mathematical Analysis and Applications, 2001, 253, 671-690.	0.5	119

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145	A Relation between Small Amplitude and Big Limit Cycles. Rocky Mountain Journal of Mathematics, 2001, 31, .	0.2	18
146	A note on LaSalle's problems. Annales Polonici Mathematici, 2001, 76, 33-46.	0.2	4
147	Period Function for a Class of Hamiltonian Systems. Journal of Differential Equations, 2000, 168, 180-199.	1.1	61
148	Phase portrait of Hamiltonian systems with homogeneous nonlinearities. Nonlinear Analysis: Theory, Methods & Applications, 2000, 42, 679-707.	0.6	15
149	The focus-centre problem for a type of degenerate system. Nonlinearity, 2000, 13, 699-729.	0.6	45
150	Center-focus and isochronous center problems for discontinuous differential equations. Discrete and Continuous Dynamical Systems, 2000, 6, 609-624.	0.5	11
151	THE CENTER PROBLEM FOR DISCONTINUOUS LIÃ‰NARD DIFFERENTIAL EQUATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 1751-1761.	0.7	23
152	An Analytic-Numerical Method for Computation of the Liapunov and Period Constants Derived from Their Algebraic Structure. SIAM Journal on Numerical Analysis, 1999, 36, 1030-1043.	1.1	9
153	The discrete Markusâ€“Yamabe problem. Nonlinear Analysis: Theory, Methods & Applications, 1999, 35, 343-354.	0.6	35
154	Small-Amplitude Limit Cycles in LiÃ©nard Systems via Multiplicity. Journal of Differential Equations, 1999, 159, 186-211.	1.1	30
155	Euler-Jacobi formula for double points and applications to quadratic and cubic systems. Bulletin of the Belgian Mathematical Society - Simon Stevin, 1999, 6, .	0.1	6
156	Center Problem for Several Differential Equations via Cherkas' Method. Journal of Mathematical Analysis and Applications, 1998, 228, 322-343.	0.5	40
157	On the Relation between Index and Multiplicity. Journal of the London Mathematical Society, 1998, 57, 757-768.	0.5	10
158	Algebraic Properties of the Liapunov and Period Constants. Rocky Mountain Journal of Mathematics, 1997, 27, 471.	0.2	61
159	Differential Equations Defined by the Sum of two Quasi-Homogeneous Vector Fields. Canadian Journal of Mathematics, 1997, 49, 212-231.	0.3	36
160	A Polynomial Counterexample to the Markusâ€“Yamabe Conjecture. Advances in Mathematics, 1997, 131, 453-457.	0.5	73
161	The Period Function for Hamiltonian Systems with Homogeneous Nonlinearities. Journal of Differential Equations, 1997, 139, 237-260.	1.1	34
162	An Explicit Expression of the First Liapunov and Period Constants with Applications. Journal of Mathematical Analysis and Applications, 1997, 211, 190-212.	0.5	65

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163	Effective computation of the first Lyapunov quantities for a planar differential equation. Applicationes Mathematicae, 1997, 24, 243-250.	0.1	3
164	On Quadratic Systems with a Degenerate Critical Point. Rocky Mountain Journal of Mathematics, 1996, 26, 135.	0.2	0
165	Geometrical conditions for the stability of orbits in planar systems. Mathematical Proceedings of the Cambridge Philosophical Society, 1996, 120, 499-519.	0.3	3
166	Limit Cycles for Non Smooth Differential Equations via Schwarzian Derivative. Journal of Differential Equations, 1996, 132, 203-221.	1.1	2
167	Quadratic and Cubic Systems with Degenerate Infinity. Journal of Mathematical Analysis and Applications, 1996, 198, 25-34.	0.5	13
168	Study of Perturbed Lotkaâ€“Volterra Systems Via Abelian Integrals. Journal of Mathematical Analysis and Applications, 1996, 198, 703-728.	0.5	3
169	Injectivity of polynomial local homeomorphisms of Rn. Nonlinear Analysis: Theory, Methods & Applications, 1996, 26, 877-885.	0.6	14
170	Cyclicity of a Family of Vector Fields. Journal of Mathematical Analysis and Applications, 1995, 196, 921-937.	0.5	31
171	Global Injectivity of Polynomial Maps Via Vector Fields. , 1995, , 105-123.		5
172	On Polynomial Hamiltonian Planar Vector Fields. Journal of Differential Equations, 1993, 106, 367-383.	1.1	22
173	Some applications of the Euler-Jacobi formula to differential equations. Proceedings of the American Mathematical Society, 1993, 118, 151-163.	0.4	10
174	Global asymptotic stability of differential equations in the plane. Journal of Differential Equations, 1991, 91, 327-335.	1.1	30
175	Limit Cycles for a Class of Abel Equations. SIAM Journal on Mathematical Analysis, 1990, 21, 1235-1244.	0.9	105
176	On the basin of attraction of dissipative planar vector fields. Lecture Notes in Mathematics, 1990, , 187-195.	0.1	2
177	Uniqueness of limit cycles for a class of Lienard systems with applications. Journal of Mathematical Analysis and Applications, 1989, 141, 442-450.	0.5	4
178	On the nonsingular quadratic differential equations in the plane. Proceedings of the American Mathematical Society, 1988, 104, 793-793.	0.4	9
179	Quadratic systems with a unique finite rest point. Publicacions Matematiques, 1988, 32, 199-259.	0.2	14
180	Some theorems on the existence, uniqueness, and nonexistence of limit cycles for quadratic systems. Journal of Differential Equations, 1987, 67, 372-399.	1.1	34

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181	Limit cycles of vector fields of the form X(v) = Av + f(v) Bv. Journal of Differential Equations, 1987, 67, 90-110.	1.1	16
182	Further considerations on the number of limit cycles of vector fields of the form X(v) = Av + f(v) Bv. Journal of Differential Equations, 1987, 68, 36-40.	1.1	8
183	Chordal quadratic systems. Rocky Mountain Journal of Mathematics, 1986, 16, .	0.2	35
184	Parrondo's paradox for homoeomorphisms. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 0, , 1-9.	0.8	1
185	Discrete Melnikov functions. Journal of Difference Equations and Applications, 0, , 1-14.	0.7	1