Maoan Han

List of Publications by Year in descending order

186 papers	3,208 citations	159585 30 h-index	214800 47 g-index
190 all docs	190 docs citations	190 times ranked	556 citing authors

#	Article	IF	Citations
1	Limit cycle bifurcations of near-Hamiltonian systems with multiple switching curves and applications. Discrete and Continuous Dynamical Systems - Series S, 2023, 16, 498-532.	1.1	3
2	Bifurcation of Limit Cycles by Perturbing a Piecewise Linear Hamiltonian System. Qualitative Theory of Dynamical Systems, 2022, 21, 1.	1.7	7
3	The number of limit cycles from the perturbation of a quadratic isochronous system with two switching lines. Communications on Pure and Applied Analysis, 2022, .	0.8	2
4	Generalized Full Order Observer Subject to Incremental Quadratic Constraint (IQC) for a Class of Fractional Order Chaotic Systems. Fractal and Fractional, 2022, 6, 189.	3.3	5
5	An estimate of the number of limit cycles bifurcating from a planar integrable system. Bulletin Des Sciences Mathematiques, 2022, 176, 103118.	1.0	2
6	The Number of Limit Cycles for a Class of Cubic Systems with Multiple Parameters. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	2
7	The number of limit cycles for some polynomial systems with multiple parameters. Journal of Mathematical Analysis and Applications, 2022, 514, 126331.	1.0	0
8	Some Cauchy mean-type mappings for which the arithmetic mean is invariant. Aequationes Mathematicae, 2021, 95, 13-34.	0.8	0
9	Eighteen limit cycles around two symmetric foci in a cubic planar switching polynomial system. Journal of Differential Equations, 2021, 275, 939-959.	2.2	11
10	Bifurcation methods of periodic orbits for piecewise smooth systems. Journal of Differential Equations, 2021, 275, 204-233.	2.2	22
11	Limit cycle bifurcations in a class of piecewise smooth cubic systems with multiple parameters. Communications on Pure and Applied Analysis, 2021, 20, 55-75.	0.8	3
12	The maximal number of limit cycles bifurcating from a Hamiltonian triangle in quadratic systems. Journal of Differential Equations, 2021, 280, 139-178.	2.2	3
13	Limit Cycle Bifurcations of a Planar Near-Integrable System with Two Small Parameters. Acta Mathematica Scientia, 2021, 41, 1034-1056.	1.0	1
14	Number of Limit Cycles from a Class of Perturbed Piecewise Polynomial Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150123.	1.7	3
15	Limit Cycles from Perturbing a Piecewise Smooth System with a Center and a Homoclinic Loop. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150159.	1.7	1
16	On the Melnikov functions and limit cycles near a double homoclinic loop with a nilpotent saddle of order mË†. Journal of Differential Equations, 2021, 291, 27-56.	2.2	4
17	Limit cycles appearing from a generalized heteroclinic loop with a cusp and a nilpotent saddle. Journal of Differential Equations, 2021, 303, 575-607.	2.2	5
18	Homoclinic bifurcation of limit cycles in near-Hamiltonian systems on the cylinder. Journal of Differential Equations, 2021, 304, 1-28.	2.2	5

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19	Limit cycle bifurcations of piecewise smooth near-Hamiltonian systems with a switching curve. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 5581.	0.9	4
20	Limit Cycle Bifurcations in a Class of Piecewise Smooth Polynomial Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, .	1.7	0
21	A New Type of Solitary Wave Solution of the mKdV Equation Under Singular Perturbations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050162.	1.7	15
22	Limit cycle bifurcations by perturbing a class of planar quintic vector fields. Journal of Differential Equations, 2020, 269, 10964-10994.	2.2	3
23	Hopf Bifurcation of Limit Cycles in Some Piecewise Smooth LiÃ©nard Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050249.	1.7	0
24	On the Number of Limit Cycles Bifurcating from a Compound Polycycle. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050099.	1.7	5
25	On the Zero-Hopf Bifurcation of the Lotkaâ€"Volterra Systems in $R 3$. Mathematics, 2020, 8, 1137.	2.2	3
26	On Some Symmetries of Quadratic Systems. Symmetry, 2020, 12, 1300.	2.2	0
27	On the maximum number of limit cycles for a piecewise smooth differential system. Bulletin Des Sciences Mathematiques, 2020, 163, 102887.	1.0	2
28	Limit Cycle Bifurcations Near a Cuspidal Loop. Symmetry, 2020, 12, 1425.	2.2	2
29	A Linear Estimate of the Number of Limit Cycles for A Piecewise Smooth Near-Hamiltonian System. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	1.7	6
30	Bifurcation of periodic orbits of periodic equations with multiple parameters by averaging method. Journal of Mathematical Analysis and Applications, 2020, 490, 124311.	1.0	6
31	The Dynamics of a Kind of LiÃ©nard System with Sixth Degree and Its Limit Cycle Bifurcations Under Perturbations. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	1.7	1
32	Hopf bifurcation of limit cycles by perturbing piecewise integrable systems. Bulletin Des Sciences Mathematiques, 2020, 161, 102866.	1.0	10
33	Limit cycle bifurcations in a planar piecewise quadratic system with multiple parameters. Advances in Difference Equations, 2020, 2020, .	3.5	5
34	LIMIT CYCLE BIFURCATIONS IN DISCONTINUOUS PLANAR SYSTEMS WITH MULTIPLE LINES. Journal of Applied Analysis and Computation, 2020, 10, 361-377.	0.5	8
35	FURTHER STUDIES ON LIMIT CYCLE BIFURCATIONS FOR PIECEWISE SMOOTH NEAR-HAMILTONIAN SYSTEMS WITH MULTIPLE PARAMETERS<inline-formula><tex-math id="M1">$ ^* $</tex-math></inline-formula>. Journal of Applied Analysis and Computation, 2020, 10, 816-829.	0.5	5
36	Limit cycle bifurcations near a double homoclinic loop with a nilpotent saddle of order m. Journal of Differential Equations, 2019, 266, 455-492.	2.2	11

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37	Bifurcation of Periodic Orbits of a Three-Dimensional Piecewise Smooth System. Qualitative Theory of Dynamical Systems, 2019, 18, 1077-1112.	1.7	2
38	Bifurcations of small limit cycles in Liénard systems with cubic restoring terms. Journal of Differential Equations, 2019, 267, 1561-1580.	2.2	18
39	Upper estimates for the number of periodic solutions to multi-dimensional systems. Journal of Differential Equations, 2019, 266, 8281-8293.	2.2	15
40	BIFURCATION OF LIMIT CYCLES FROM A COMPOUND LOOP WITH FIVE SADDLES. Journal of Applied Analysis and Computation, 2019, 9, 2482-2495.	0.5	4
41	On the Number of Periodic Solutions of Delay Differential Equations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850051.	1.7	12
42	Relaxation oscillations in predator–prey model with distributed delay. Computational and Applied Mathematics, 2018, 37, 475-484.	1.3	8
43	Bifurcation theory for finitely smooth planar autonomous differential systems. Journal of Differential Equations, 2018, 264, 3596-3618.	2.2	70
44	Simple paratransgenic mosquitoes models and their dynamics. Mathematical Biosciences, 2018, 306, 20-31.	1.9	17
45	On Uniqueness of Limit Cycles in General Bogdanov–Takens Bifurcation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850115.	1.7	8
46	Limit cycles of a Liénard system with symmetry allowing for discontinuity. Journal of Mathematical Analysis and Applications, 2018, 468, 799-816.	1.0	8
47	An Improvement on the Number of Limit Cycles Bifurcating from a Nondegenerate Center of Homogeneous Polynomial Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850078.	1.7	13
48	Dynamics of an autocatalator model. Mathematical Methods in the Applied Sciences, 2018, 41, 9092-9102.	2.3	1
49	Reversibility in polynomial systems of ODE's. Applied Mathematics and Computation, 2018, 338, 55-71.	2.2	12
50	Theory of rotated equations and applications to a population model. Discrete and Continuous Dynamical Systems, 2018, 38, 2171-2185.	0.9	36
51	Numerical proof for chemostat chaos of Shilnikov's type. Chaos, 2017, 27, 033106.	2.5	8
52	Hopf and homoclinic bifurcations for near-Hamiltonian systems. Journal of Differential Equations, 2017, 262, 3214-3234.	2.2	35
53	Bifurcation of periodic orbits by perturbing high-dimensional piecewise smooth integrable systems. Journal of Differential Equations, 2017, 263, 7448-7474.	2.2	75
54	The Maximal Number of Limit Cycles in Perturbations of Piecewise Linear Hamiltonian Systems with Two Saddles. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750126.	1.7	13

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55	Traveling wave solutions for a delayed diffusive SIR epidemic model with nonlinear incidence rate and external supplies. Mathematical Methods in the Applied Sciences, 2017, 40, 2772-2783.	2.3	8
56	On the number of limit cycles in small perturbations of a piecewise linear Hamiltonian system with a heteroclinic loop. Chinese Annals of Mathematics Series B, 2016, 37, 267-280.	0.4	5
57	On the Number of Limit Cycles by Perturbing a Piecewise Smooth LiÃ©nard Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650168.	1.7	1
58	On the limit cycles of perturbed discontinuous planar systems with 4 switching lines. Chaos, Solitons and Fractals, 2016, 83, 158-177.	5.1	30
59	Four small limit cycles around a Hopf singular point in 3-dimensional competitive Lotkaâ€"Volterra systems. Journal of Mathematical Analysis and Applications, 2016, 436, 521-555.	1.0	21
60	Limit cycle bifurcations by perturbing a quadratic integrable system with a triangle. Journal of Differential Equations, 2016, 260, 4473-4498.	2.2	8
61	Equivalence of the Melnikov Function Method and the Averaging Method. Qualitative Theory of Dynamical Systems, 2016, 15, 471-479.	1.7	46
62	Some Bifurcation Analysis in a Family of Nonsmooth LiÃ©nard Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550055.	1.7	4
63	On the number of limit cycles near a homoclinic loop with a nilpotent singular point. Journal of Differential Equations, 2015, 258, 3194-3247.	2.2	17
64	Ten limit cycles around a center-type singular point in a 3-d quadratic system with quadratic perturbation. Applied Mathematics Letters, 2015, 44, 17-20.	2.7	20
65	Limit cycles near a homoclinic loop by perturbing a class of integrable systems. Journal of Mathematical Analysis and Applications, 2015, 429, 814-832.	1.0	2
66	Critical Period Bifurcation by Perturbing a Reversible Rigidly Isochronous Center with Multiple Parameters. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550070.	1.7	1
67	Center Problems and Limit Cycle Bifurcations in a Class of Quasi-Homogeneous Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550135.	1.7	6
68	Limit cycle bifurcations near homoclinic and heteroclinic loops via stability-changing of a homoclinic loop. Chaos, Solitons and Fractals, 2015, 78, 107-117.	5.1	16
69	BIFURCATION OF LIMIT CYCLES IN PIECEWISE SMOOTH SYSTEMS VIA MELNIKOV FUNCTION. Journal of Applied Analysis and Computation, 2015, 5, 809-815.	0.5	23
70	Cyclicity of some LiÃ©nard Systems. Communications on Pure and Applied Analysis, 2015, 14, 2127-2150.	0.8	7
71	The Existence of Periodic Orbits and Invariant Tori for Some 3-Dimensional Quadratic Systems. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	0
72	Dynamics of Nonlinear Systems. Scientific World Journal, The, 2014, 2014, 1-1.	2.1	0

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73	On the limit cycle bifurcation of a polynomial system from a global center. Analysis and Applications, 2014, 12, 251-268.	2.2	6
74	Stability and Limit Cycle Bifurcation for Two Kinds of Generalized Double Homoclinic Loops in Planar Piecewise Smooth Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450153.	1.7	2
75	Periodic Solutions and Asymptotic Analysis of Ordinary Differential Equations. Abstract and Applied Analysis, 2014, 2014, 1-1.	0.7	0
76	Limit Cycle Bifurcations by Perturbing a Compound Loop with a Cusp and a Nilpotent Saddle. Abstract and Applied Analysis, 2014, 2014, 1-14.	0.7	1
77	Some new dynamic Opial type inequalities and applications for second order integro-differential dynamic equations on time scales. Applied Mathematics and Computation, 2014, 232, 542-547.	2.2	8
78	Dynamical analysis of a stochastic model for cascaded continuous flow bioreactors. Journal of Mathematical Chemistry, 2014, 52, 1441-1459.	1.5	24
79	New lower bounds for the Hilbert number of polynomial systems of Liénard type. Journal of Differential Equations, 2014, 257, 2565-2590.	2.2	34
80	Limit cycle bifurcations in a class of near-Hamiltonian systems with multiple parameters. Chaos, Solitons and Fractals, 2014, 68, 20-29.	5.1	24
81	Spatio-temporal dynamics of a reaction-diffusion system for a predator–prey model with hyperbolic mortality. Nonlinear Dynamics, 2014, 78, 265-277.	5.2	86
82	Limit cycle bifurcations by perturbing a class of integrable systems with a polycycle. Journal of Mathematical Analysis and Applications, 2014, 418, 357-386.	1.0	7
83	Limit cycle bifurcations near a 2-polycycle or double 2-polycycle of planar systems. Nonlinear Analysis: Theory, Methods & Applications, 2014, 95, 756-773.	1.1	13
84	Limit cycle bifurcations in a class of perturbed piecewise smooth systems. Applied Mathematics and Computation, 2014, 242, 47-64.	2.2	23
85	Bifurcation of limit cycles from a heteroclinic loop with two cusps. Chaos, Solitons and Fractals, 2014, 62-63, 44-54.	5.1	9
86	THE STABILITY OF SOME KINDS OF GENERALIZED HOMOCLINIC LOOPS IN PLANAR PIECEWISE SMOOTH SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350027.	1.7	6
87	Small-amplitude limit cycles of polynomial Liénard systems. Science China Mathematics, 2013, 56, 1543-1556.	1.7	24
88	On the number of limit cycles of a class of polynomial systems of Liénard type. Journal of Mathematical Analysis and Applications, 2013, 408, 775-780.	1.0	6
89	Local integrability of a family of three-dimensional quadratic systems. Physica D: Nonlinear Phenomena, 2013, 265, 78-86.	2.8	10
90	Bifurcation of limit cycles from generalized homoclinic loops in planar piecewise smooth systems. Journal of Differential Equations, 2013, 255, 4403-4436.	2.2	42

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91	On the number of zeros of Abelian integral for some Liénard system of type (4,3). Chaos, Solitons and Fractals, 2013, 51, 1-12.	5.1	15
92	On the number of limit cycles of polynomial Liénard systems. Nonlinear Analysis: Real World Applications, 2013, 14, 1655-1668.	1.7	42
93	Bifurcation of limit cycles in 3rd-order Hamiltonian planar vector fields with 3rd-order perturbations. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 978-988.	3.3	7
94	BIFURCATION OF LIMIT CYCLES BY PERTURBING A PERIODIC ANNULUS WITH MULTIPLE CRITICAL POINTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350143.	1.7	4
95	Î³-Stability of Nonlinear Volterra Integro-Differential Systems with Time Delay. Abstract and Applied Analysis, 2013, 2013, 1-5.	0.7	0
96	Bifurcation of Limit Cycles by Perturbing a Piecewise Linear Hamiltonian System. Abstract and Applied Analysis, 2013, 2013, 1-19.	0.7	15
97	The Number of Limit Cycles of a Polynomial System on the Plane. Abstract and Applied Analysis, 2013, 2013, 1-7.	0.7	0
98	Critical Periods of Perturbations of Reversible Rigidly Isochronous Centers. Abstract and Applied Analysis, 2013, 2013, 1-12.	0.7	1
99	Some Opial Type Inequalities with Higher Order Delta Derivative on Time Scales. Applied Mechanics and Materials, 2013, 432, 185-188.	0.2	0
100	THE NUMBER OF ZEROS OF ABELIAN INTEGRALS FOR A PERTURBATION OF HYPERELLIPTIC HAMILTONIAN SYSTEM WITH DEGENERATED POLYCYCLE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350047.	1.7	4
101	ON THE NUMBER AND DISTRIBUTIONS OF LIMIT CYCLES OF A PLANAR QUARTIC VECTOR FIELD. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350069.	1.7	0
102	Bifurcations of canard limit cycles in several singularly perturbed generalized polynomial Liénard systems. Discrete and Continuous Dynamical Systems, 2013, 33, 3085-3108.	0.9	10
103	Bifurcation of Sign-Changing Solutions for m-Point Boundary Value Problems. ISRN Mathematical Analysis, 2012, 2012, 1-13.	0.4	0
104	Hopf Bifurcation of Limit Cycles in Discontinuous Liénard Systems. Abstract and Applied Analysis, 2012, 2012, 1-27.	0.7	3
105	GLOBAL STABILITY OF A STAGE-STRUCTURED PREDATOR–PREY MODEL WITH MODIFIED LESLIE–GOWER AND HOLLING-TYPE II SCHEMES. International Journal of Biomathematics, 2012, 05, 1250057.	2.9	32
106	Center and focus problem and Hopf bifurcation for planar polynomial systems. , 2012, , .		0
107	LIMIT CYCLE BIFURCATIONS NEAR A DOUBLE HOMOCLINIC LOOP WITH A NILPOTENT SADDLE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250189.	1.7	29
108	ASYMPTOTIC EXPANSIONS OF MELNIKOV FUNCTIONS AND LIMIT CYCLE BIFURCATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250296.	1.7	47

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109	FOUR LIMIT CYCLES FROM PERTURBING QUADRATIC INTEGRABLE SYSTEMS BY QUADRATIC POLYNOMIALS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250254.	1.7	25
110	BIFURCATIONS OF 2-2-1 HETERODIMENSIONAL CYCLES UNDER TRANSVERSALITY CONDITION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250191.	1.7	2
111	DEGENERATE HOPF BIFURCATION IN NONSMOOTH PLANAR SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250057.	1.7	11
112	HOPF BIFURCATION OF LIÃ‰NARD SYSTEMS BY PERTURBING A NILPOTENT CENTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250203.	1.7	2
113	Computation of expansion coefficients of Melnikov functions near a nilpotent center. Computers and Mathematics With Applications, 2012, 64, 1957-1974.	2.7	11
114	DELAYED BIFURCATION IN FIRST-ORDER SINGULARLY PERTURBED PROBLEMS WITH A NONGENERIC TURNING POINT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250302.	1.7	1
115	Limit cycles near generalized homoclinic and double homoclinic loops in piecewise smooth systems. Chaos, Solitons and Fractals, 2012, 45, 454-464.	5.1	57
116	The number of limit cycles of a class of polynomial differential systems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 341-357.	1.1	14
117	Bifurcation of limit cycles by perturbing a piecewise linear Hamiltonian system with a homoclinic loop. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4355-4374.	1.1	77
118	Lower bounds for the Hilbert number of polynomial systems. Journal of Differential Equations, 2012, 252, 3278-3304.	2.2	76
119	LIMIT CYCLE BIFURCATIONS OF TWO KINDS OF POLYNOMIAL DIFFERENTIAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 3341-3357.	1.7	0
120	Limit cycle bifurcations of some LiÃ©nard systems with a cuspidal loop and a homoclinic loop. Chaos, Solitons and Fractals, 2011, 44, 269-289.	5.1	32
121	Bifurcation of limit cycles from a heteroclinic loop with a cusp. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 2948-2965.	1.1	34
122	On Hopf bifurcations of piecewise planar Hamiltonian systems. Journal of Differential Equations, 2011, 250, 1026-1051.	2.2	21
123	Hopf bifurcation for two types of LiÃ©nard systems. Journal of Differential Equations, 2011, 251, 834-859.	2.2	17
124	On the number of limit cycles of a Z4-equivariant quintic polynomial system. Applied Mathematics and Computation, 2010, 216, 3022-3034.	2.2	3
125	Polynomial Hamiltonian systems with a nilpotent critical point. Advances in Space Research, 2010, 46, 521-525.	2.6	34
126	On Hopf bifurcation in non-smooth planar systems. Journal of Differential Equations, 2010, 248, 2399-2416.	2.2	212

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127	Limit cycle bifurcations of some LiÃ©nard systems. Journal of Mathematical Analysis and Applications, 2010, 366, 242-255.	1.0	32
128	Estimating the number of limit cycles in polynomials systems. Journal of Mathematical Analysis and Applications, 2010, 368, 491-497.	1.0	5
129	EXISTENCE CONDITIONS OF THIRTEEN LIMIT CYCLES IN A CUBIC SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2569-2577.	1.7	20
130	BIFURCATION OF LIMIT CYCLES BY PERTURBING PIECEWISE HAMILTONIAN SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1379-1390.	1.7	111
131	LIMIT CYCLE BIFURCATIONS OF SOME LIÃ‰NARD SYSTEMS WITH A NILPOTENT CUSP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3829-3839.	1.7	13
132	CRITICAL PERIODS OF THIRD-ORDER PLANAR HAMILTONIAN SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2213-2224.	1.7	13
133	HOPF BIFURCATIONS FOR NEAR-HAMILTONIAN SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 4117-4130.	1.7	80
134	LIMIT CYCLES FOR A CLASS OF QUINTIC NEAR-HAMILTONIAN SYSTEMS NEAR A NILPOTENT CENTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2107-2113.	1.7	8
135	Perturbations of parallel flows on the sphere in $\mathbb{R}^3$. Journal of Mathematical Analysis and Applications, 2009, 351, 224-231.	1.0	2
136	Limit cycles of a Z_3 near-Hamiltonian system. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3853-3871.	1.1	9
137	Bifurcation of periodic solutions and invariant tori forÂaÂfour-dimensional system. Nonlinear Dynamics, 2009, 57, 75-83.	5.2	15
138	Existence of canards under non-generic conditions. Chinese Annals of Mathematics Series B, 2009, 30, 239-250.	0.4	2
139	Small-amplitude limit cycles of some LiÃ©nard-type systems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 6373-6377.	1.1	14
140	Limit cycle bifurcations by perturbing a cuspidal loop in a Hamiltonian system. Journal of Differential Equations, 2009, 246, 129-163.	2.2	56
141	HOPF BIFURCATION FOR NONSMOOTH LIÃ‰NARD SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2401-2415.	1.7	22
142	On the number of limit cycles of a cubic Near-Hamiltonian system. Discrete and Continuous Dynamical Systems, 2009, 24, 827-840.	0.9	1
143	Global attractivity of an almost periodic N-species nonlinear ecological competitive model. Journal of Mathematical Analysis and Applications, 2008, 337, 144-168.	1.0	24
144	Limit Cycles Near Homoclinic and Heteroclinic Loops. Journal of Dynamics and Differential Equations, 2008, 20, 923-944.	1.9	93

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145	On Melnikov functions of a homoclinic loop through a nilpotent saddle for planar near-Hamiltonian systems. Journal of Differential Equations, 2008, 245, 1086-1111.	2.2	28
146	Melnikov function and limit cycle bifurcation from a nilpotent center. Bulletin Des Sciences Mathematiques, 2008, 132, 182-193.	1.0	16
147	Bifurcations of the limit cycles in a z3-equivariant quartic planar vector field. Chaos, Solitons and Fractals, 2008, 38, 1177-1186.	5.1	8
148	ON THE NUMBER AND DISTRIBUTIONS OF LIMIT CYCLES IN A QUINTIC PLANAR VECTOR FIELD. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1939-1955.	1.7	13
149	LIMIT CYCLE BIFURCATIONS IN NEAR-HAMILTONIAN SYSTEMS BY PERTURBING A NILPOTENT CENTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3013-3027.	1.7	27
150	BIFURCATION OF LIMIT CYCLES IN A FOURTH-ORDER NEAR-HAMILTONIAN SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4117-4144.	1.7	13
151	ON THE NUMBER OF LIMIT CYCLES IN NEAR-HAMILTONIAN POLYNOMIAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2033-2047.	1.7	19
152	A new proof to Bautinâ€™s theorem. Chaos, Solitons and Fractals, 2007, 31, 218-223.	5.1	9
153	The loop quantities and bifurcations of homoclinic loops. Journal of Differential Equations, 2007, 234, 339-359.	2.2	25
154	Bifurcations of Invariant Tori and Subharmonic Solutions of Singularly Perturbed System*. Chinese Annals of Mathematics Series B, 2007, 28, 135-148.	0.4	5
155	Chapter 4 Bifurcation Theory of Limit Cycles of Planar Systems. Handbook of Differential Equations: Ordinary Differential Equations, 2006, 3, 341-433.	0.2	24
156	Existence of canard manifolds in a class of singularly perturbed systems. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 457-470.	1.1	3
157	Some bifurcation methods of finding limit cycles. Mathematical Biosciences and Engineering, 2006, 3, 67-77.	1.9	26
158	PoincarÃ© bifurcation of a three-dimensional system. Chaos, Solitons and Fractals, 2005, 23, 1385-1398.	5.1	7
159	On the cyclicity of a 2-polycycle for quadratic systems. Chaos, Solitons and Fractals, 2005, 23, 1787-1794.	5.1	6
160	On the study of limit cycles of a cubic polynomials system under Z4-equivariant quintic perturbation. Chaos, Solitons and Fractals, 2005, 24, 999-1012.	5.1	14
161	Canard Phenomena in Oscillations of a Surface Oxidation Reaction. Journal of Nonlinear Science, 2005, 15, 363-386.	2.1	11
162	Singular Homoclinic Bifurcations in a Planar Fast-Slow System. Journal of Dynamical and Control Systems, 2005, 11, 433-448.	0.8	2

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163	HOPF BIFURCATION OF A THREE-DIMENSIONAL SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1603-1614.	1.7	3
164	OPTIMAL CONTINGENT CLAIMS AND CONSUMPTION. International Journal of Theoretical and Applied Finance, 2005, 08, 463-482.	0.5	0
165	BIFURCATION OF PERIODIC ORBITS OF A THREE-DIMENSIONAL SYSTEM. Chinese Annals of Mathematics Series B, 2005, 26, 253-274.	0.4	10
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