

Maoan Han

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On Hopf bifurcation in non-smooth planar systems. Journal of Differential Equations, 2010, 248, 2399-2416.	2.2	212
2	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
3	Limit Cycles Near Homoclinic and Heteroclinic Loops. Journal of Dynamics and Differential Equations, 2008, 20, 923-944.	1.9	93
4	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
5	HOPF BIFURCATIONS FOR NEAR-HAMILTONIAN SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 4117-4130.	1.7	80
6	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
7	Lower bounds for the Hilbert number of polynomial systems. Journal of Differential Equations, 2012, 252, 3278-3304.	2.2	76
8	Bifurcation of periodic orbits by perturbing high-dimensional piecewise smooth integrable systems. Journal of Differential Equations, 2017, 263, 7448-7474.	2.2	75
9	On Hopf Cyclicity of Planar Systems. Journal of Mathematical Analysis and Applications, 2000, 245, 404-422.	1.0	73
10	Bifurcation theory for finitely smooth planar autonomous differential systems. Journal of Differential Equations, 2018, 264, 3596-3618.	2.2	70
11	Limit cycles near generalized homoclinic and double homoclinic loops in piecewise smooth systems. Chaos, Solitons and Fractals, 2012, 45, 454-464.	5.1	57
12	Limit cycle bifurcations by perturbing a cuspidal loop in a Hamiltonian system. Journal of Differential Equations, 2009, 246, 129-163.	2.2	56
13	Cyclicity of planar homoclinic loops and quadratic integrable systems. Science in China Series A: Mathematics, 1997, 40, 1247-1258.	0.5	54
14	On the number of limit cycles in double homoclinic bifurcations. Science in China Series A: Mathematics, 2000, 43, 914-928.	0.5	49
15	On the stability of double homoclinic and heteroclinic cycles. Nonlinear Analysis: Theory, Methods & Applications, 2003, 53, 701-713.	1.1	48
16	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
17	Equivalence of the Melnikov Function Method and the Averaging Method. Qualitative Theory of Dynamical Systems, 2016, 15, 471-479.	1.7	46
18	Bifurcations of limit cycles for a cubic Hamiltonian system under quartic perturbations. Chaos, Solitons and Fractals, 2004, 22, 1127-1138.	5.1	44

#	ARTICLE	IF	CITATIONS
19	LOCAL AND GLOBAL HOPF BIFURCATION IN A DELAYED HEMATOPOIESIS MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3909-3919.	1.7	42
20	Bifurcation of limit cycles from generalized homoclinic loops in planar piecewise smooth systems. Journal of Differential Equations, 2013, 255, 4403-4436.	2.2	42
21	On the number of limit cycles of polynomial Liénard systems. Nonlinear Analysis: Real World Applications, 2013, 14, 1655-1668.	1.7	42
22	Global bifurcation of limit cycles in a family of polynomial systems. Journal of Mathematical Analysis and Applications, 2004, 295, 633-644.	1.0	37
23	Theory of rotated equations and applications to a population model. Discrete and Continuous Dynamical Systems, 2018, 38, 2171-2185.	0.9	36
24	Hopf and homoclinic bifurcations for near-Hamiltonian systems. Journal of Differential Equations, 2017, 262, 3214-3234.	2.2	35
25	Polynomial Hamiltonian systems with a nilpotent critical point. Advances in Space Research, 2010, 46, 521-525.	2.6	34
26	Bifurcation of limit cycles from a heteroclinic loop with a cusp. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 2948-2965.	1.1	34
27	New lower bounds for the Hilbert number of polynomial systems of Liénard type. Journal of Differential Equations, 2014, 257, 2565-2590.	2.2	34
28	Limit cycle bifurcations of some Liénard systems. Journal of Mathematical Analysis and Applications, 2010, 366, 242-255.	1.0	32
29	Limit cycle bifurcations of some Liénard systems with a cuspidal loop and a homoclinic loop. Chaos, Solitons and Fractals, 2011, 44, 269-289.	5.1	32
30	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
31	GLOBAL BIFURCATION OF LIMIT CYCLES IN A FAMILY OF MULTIPARAMETER SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3325-3335.	1.7	30
32	On the limit cycles of perturbed discontinuous planar systems with 4 switching lines. Chaos, Solitons and Fractals, 2016, 83, 158-177.	5.1	30
33	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
34	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
35	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
36	Some bifurcation methods of finding limit cycles. Mathematical Biosciences and Engineering, 2006, 3, 67-77.	1.9	26

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37	The loop quantities and bifurcations of homoclinic loops. <i>Journal of Differential Equations</i> , 2007, 234, 339-359.	2.2	25
38	FOUR LIMIT CYCLES FROM PERTURBING QUADRATIC INTEGRABLE SYSTEMS BY QUADRATIC POLYNOMIALS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250254.	1.7	25
39	Bifurcations of periodic orbits, subharmonic solutions and invariant Tori of high-dimensional systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1999, 36, 319-329.	1.1	24
40	Chapter 4 Bifurcation Theory of Limit Cycles of Planar Systems. <i>Handbook of Differential Equations: Ordinary Differential Equations</i> , 2006, 3, 341-433.	0.2	24
41	Global attractivity of an almost periodic N-species nonlinear ecological competitive model. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 337, 144-168.	1.0	24
42	Small-amplitude limit cycles of polynomial Liénard systems. <i>Science China Mathematics</i> , 2013, 56, 1543-1556.	1.7	24
43	Dynamical analysis of a stochastic model for cascaded continuous flow bioreactors. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 1441-1459.	1.5	24
44	Limit cycle bifurcations in a class of near-Hamiltonian systems with multiple parameters. <i>Chaos, Solitons and Fractals</i> , 2014, 68, 20-29.	5.1	24
45	Limit cycle bifurcations in a class of perturbed piecewise smooth systems. <i>Applied Mathematics and Computation</i> , 2014, 242, 47-64.	2.2	23
46	BIFURCATION OF LIMIT CYCLES IN PIECEWISE SMOOTH SYSTEMS VIA MELNIKOV FUNCTION. <i>Journal of Applied Analysis and Computation</i> , 2015, 5, 809-815.	0.5	23
47	ON THE NUMBER AND DISTRIBUTION OF LIMIT CYCLES IN A CUBIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 4285-4292.	1.7	22
48	HOPF BIFURCATION FOR NONSMOOTH LIÉNARD SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 2401-2415.	1.7	22
49	Bifurcation methods of periodic orbits for piecewise smooth systems. <i>Journal of Differential Equations</i> , 2021, 275, 204-233.	2.2	22
50	On Hopf bifurcations of piecewise planar Hamiltonian systems. <i>Journal of Differential Equations</i> , 2011, 250, 1026-1051.	2.2	21
51	Four small limit cycles around a Hopf singular point in 3-dimensional competitive Lotka-Volterra systems. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 436, 521-555.	1.0	21
52	Bifurcations of periodic solutions of delay differential equations. <i>Journal of Differential Equations</i> , 2003, 189, 396-411.	2.2	20
53	Bifurcation of limit cycles and separatrix loops in singular Lienard systems. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 529-546.	5.1	20
54	EXISTENCE CONDITIONS OF THIRTEEN LIMIT CYCLES IN A CUBIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 2569-2577.	1.7	20

#	ARTICLE	IF	CITATIONS
55	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
56	ON THE STUDY OF LIMIT CYCLES OF THE GENERALIZED RAYLEIGH-LIENARD OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2905-2914.	1.7	19
57	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
58	Bifurcations of small limit cycles in Liénard systems with cubic restoring terms. Journal of Differential Equations, 2019, 267, 1561-1580.	2.2	18
59	Hopf bifurcation for two types of Liénard systems. Journal of Differential Equations, 2011, 251, 834-859.	2.2	17
60	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
61	Simple paratransgenic mosquitoes models and their dynamics. Mathematical Biosciences, 2018, 306, 20-31.	1.9	17
62	Melnikov function and limit cycle bifurcation from a nilpotent center. Bulletin Des Sciences Mathematiques, 2008, 132, 182-193.	1.0	16
63	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
64	Bifurcation of limit cycles near polycycles with n vertices. Chaos, Solitons and Fractals, 2004, 22, 383-394.	5.1	15
65	Bifurcation of periodic solutions and invariant tori for a four-dimensional system. Nonlinear Dynamics, 2009, 57, 75-83.	5.2	15
66	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
67	Bifurcation of Limit Cycles by Perturbing a Piecewise Linear Hamiltonian System. Abstract and Applied Analysis, 2013, 2013, 1-19.	0.7	15
68	Upper estimates for the number of periodic solutions to multi-dimensional systems. Journal of Differential Equations, 2019, 266, 8281-8293.	2.2	15
69	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
70	Cyclicity of homoclinic loops and degenerate cubic Hamiltonians. Science in China Series A: Mathematics, 1989, 42, 605-617.	0.5	14
71	On the study of limit cycles of a cubic polynomials system under Z_4 -equivariant quintic perturbation. Chaos, Solitons and Fractals, 2005, 24, 999-1012.	5.1	14
72	Small-amplitude limit cycles of some Liénard-type systems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 6373-6377.	1.1	14

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73	The number of limit cycles of a class of polynomial differential systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 341-357.	1.1	14
74	BIFURCATION OF LIMIT CYCLES IN A FOURTH-ORDER NEAR-HAMILTONIAN SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 4117-4144.	1.7	13
75	ON THE NUMBER AND DISTRIBUTIONS OF LIMIT CYCLES IN A QUINTIC PLANAR VECTOR FIELD. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 1939-1955.	1.7	13
76	LIMIT CYCLE BIFURCATIONS OF SOME LIÉNARD SYSTEMS WITH A NILPOTENT CUSP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 3829-3839.	1.7	13
77	CRITICAL PERIODS OF THIRD-ORDER PLANAR HAMILTONIAN SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 2213-2224.	1.7	13
78	Limit cycle bifurcations near a 2-polycycle or double 2-polycycle of planar systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 95, 756-773.	1.1	13
79	The Maximal Number of Limit Cycles in Perturbations of Piecewise Linear Hamiltonian Systems with Two Saddles. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750126.	1.7	13
80	An Improvement on the Number of Limit Cycles Bifurcating from a Nondegenerate Center of Homogeneous Polynomial Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850078.	1.7	13
81	On the Number of Periodic Solutions of Delay Differential Equations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850051.	1.7	12
82	Reversibility in polynomial systems of ODEs. <i>Applied Mathematics and Computation</i> , 2018, 338, 55-71.	2.2	12
83	Canard Phenomena in Oscillations of a Surface Oxidation Reaction. <i>Journal of Nonlinear Science</i> , 2005, 15, 363-386.	2.1	11
84	DEGENERATE HOPF BIFURCATION IN NONSMOOTH PLANAR SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250057.	1.7	11
85	Computation of expansion coefficients of Melnikov functions near a nilpotent center. <i>Computers and Mathematics With Applications</i> , 2012, 64, 1957-1974.	2.7	11
86	Limit cycle bifurcations near a double homoclinic loop with a nilpotent saddle of order m. <i>Journal of Differential Equations</i> , 2019, 266, 455-492.	2.2	11
87	Eighteen limit cycles around two symmetric foci in a cubic planar switching polynomial system. <i>Journal of Differential Equations</i> , 2021, 275, 939-959.	2.2	11
88	BIFURCATION OF PERIODIC ORBITS OF A THREE-DIMENSIONAL SYSTEM. <i>Chinese Annals of Mathematics Series B</i> , 2005, 26, 253-274.	0.4	10
89	Local integrability of a family of three-dimensional quadratic systems. <i>Physica D: Nonlinear Phenomena</i> , 2013, 265, 78-86.	2.8	10
90	Hopf bifurcation of limit cycles by perturbing piecewise integrable systems. <i>Bulletin Des Sciences Mathematiques</i> , 2020, 161, 102866.	1.0	10

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91	Bifurcations of canard limit cycles in several singularly perturbed generalized polynomial Li ³ canard systems. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 3085-3108.	0.9	10
92	A new proof to Bautin's theorem. <i>Chaos, Solitons and Fractals</i> , 2007, 31, 218-223.	5.1	9
93	Limit cycles of a Z^3 -equivariant near-Hamiltonian system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 3853-3871.	1.1	9
94	Bifurcation of limit cycles from a heteroclinic loop with two cusps. <i>Chaos, Solitons and Fractals</i> , 2014, 62-63, 44-54.	5.1	9
95	Bifurcations of the limit cycles in a Z^3 -equivariant quartic planar vector field. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 1177-1186.	5.1	8
96	LIMIT CYCLES FOR A CLASS OF QUINTIC NEAR-HAMILTONIAN SYSTEMS NEAR A NILPOTENT CENTER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 2107-2113.	1.7	8
97	Some new dynamic Opial type inequalities and applications for second order integro-differential dynamic equations on time scales. <i>Applied Mathematics and Computation</i> , 2014, 232, 542-547.	2.2	8
98	Limit cycle bifurcations by perturbing a quadratic integrable system with a triangle. <i>Journal of Differential Equations</i> , 2016, 260, 4473-4498.	2.2	8
99	Numerical proof for chemostat chaos of Shilnikov's type. <i>Chaos</i> , 2017, 27, 033106.	2.5	8
100	Traveling wave solutions for a delayed diffusive SIR epidemic model with nonlinear incidence rate and external supplies. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 2772-2783.	2.3	8
101	Relaxation oscillations in predator-prey model with distributed delay. <i>Computational and Applied Mathematics</i> , 2018, 37, 475-484.	1.3	8
102	On Uniqueness of Limit Cycles in General Bogdanov-Takens Bifurcation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850115.	1.7	8
103	Limit cycles of a Li ³ canard system with symmetry allowing for discontinuity. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 468, 799-816.	1.0	8
104	LIMIT CYCLE BIFURCATIONS IN DISCONTINUOUS PLANAR SYSTEMS WITH MULTIPLE LINES. <i>Journal of Applied Analysis and Computation</i> , 2020, 10, 361-377.	0.5	8
105	Poincaré bifurcation of a three-dimensional system. <i>Chaos, Solitons and Fractals</i> , 2005, 23, 1385-1398.	5.1	7
106	Bifurcation of limit cycles in 3rd-order Hamiltonian planar vector fields with 3rd-order perturbations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 978-988.	3.3	7
107	Limit cycle bifurcations by perturbing a class of integrable systems with a polycycle. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 418, 357-386.	1.0	7
108	Cyclicity of some Li ³ canard Systems. <i>Communications on Pure and Applied Analysis</i> , 2015, 14, 2127-2150.	0.8	7

#	ARTICLE	IF	CITATIONS
109	Bifurcation of Limit Cycles by Perturbing a Piecewise Linear Hamiltonian System. Qualitative Theory of Dynamical Systems, 2022, 21, 1.	1.7	7
110	THE ABELIAN INTEGRALS OF A ONE-PARAMETER HAMILTONIAN SYSTEM UNDER POLYNOMIAL PERTURBATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2449-2456.	1.7	6
111	On the cyclicity of a 2-polycycle for quadratic systems. Chaos, Solitons and Fractals, 2005, 23, 1787-1794.	5.1	6
112	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
113	On the number of limit cycles of a class of polynomial systems of LiÅ©nard type. Journal of Mathematical Analysis and Applications, 2013, 408, 775-780.	1.0	6
114	On the limit cycle bifurcation of a polynomial system from a global center. Analysis and Applications, 2014, 12, 251-268.	2.2	6
115	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
116	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
117	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
118	Bifurcations of Invariant Tori and Subharmonic Solutions of Singularly Perturbed System*. Chinese Annals of Mathematics Series B, 2007, 28, 135-148.	0.4	5
119	Estimating the number of limit cycles in polynomials systems. Journal of Mathematical Analysis and Applications, 2010, 368, 491-497.	1.0	5
120	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
121	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
122	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
123	Limit cycle bifurcations in a planar piecewise quadratic system with multiple parameters. Advances in Difference Equations, 2020, 2020, .	3.5	5
124	FURTHER STUDIES ON LIMIT CYCLE BIFURCATIONS FOR PIECEWISE SMOOTH NEAR-HAMILTONIAN SYSTEMS WITH MULTIPLE PARAMETERS<math>M_1^k</math>. Journal of Applied Analysis and Computation, 2020, 10, 816-829.	0.5	5
125	Homoclinic bifurcation of limit cycles in near-Hamiltonian systems on the cylinder. Journal of Differential Equations, 2021, 304, 1-28.	2.2	5
126	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

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127	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
128	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
129	Some Bifurcation Analysis in a Family of Nonsmooth LiÅ©nard Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550055.	1.7	4
130	On the Melnikov functions and limit cycles near a double homoclinic loop with a nilpotent saddle of order $m \geq 1$. Journal of Differential Equations, 2021, 291, 27-56.	2.2	4
131	BIFURCATION OF LIMIT CYCLES FROM A COMPOUND LOOP WITH FIVE SADDLES. Journal of Applied Analysis and Computation, 2019, 9, 2482-2495.	0.5	4
132	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
133	Existence and Uniqueness of the Periodic Orbits of a Class of Cylinder Equations. Journal of Mathematical Analysis and Applications, 1996, 200, 106-120.	1.0	3
134	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
135	Existence of canard manifolds in a class of singularly perturbed systems. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 457-470.	1.1	3
136	On the number of limit cycles of a Z_4 -equivariant quintic polynomial system. Applied Mathematics and Computation, 2010, 216, 3022-3034.	2.2	3
137	Hopf Bifurcation of Limit Cycles in Discontinuous LiÅ©nard Systems. Abstract and Applied Analysis, 2012, 2012, 1-27.	0.7	3
138	Limit cycle bifurcations by perturbing a class of planar quintic vector fields. Journal of Differential Equations, 2020, 269, 10964-10994.	2.2	3
139	On the Zero-Hopf Bifurcation of the Lotka-Volterra Systems in \mathbb{R}^3 . Mathematics, 2020, 8, 1137.	2.2	3
140	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
141	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
142	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
143	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
144	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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145	Perturbations of parallel flows on the sphere in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi mathvariant="double-struck" } R \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle .$ Journal of Mathematical Analysis and Applications, 2009, 351, 224-231.	1.0	2
146	Existence of canards under non-generic conditions. Chinese Annals of Mathematics Series B, 2009, 30, 239-250.	0.4	2
147	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
148	HOPF BIFURCATION OF LIÉNARD SYSTEMS BY PERTURBING A NILPOTENT CENTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250203.	1.7	2
149	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
150	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
151	Bifurcation of Periodic Orbits of a Three-Dimensional Piecewise Smooth System. Qualitative Theory of Dynamical Systems, 2019, 18, 1077-1112.	1.7	2
152	On the maximum number of limit cycles for a piecewise smooth differential system. Bulletin Des Sciences Mathematiques, 2020, 163, 102887.	1.0	2
153	Limit Cycle Bifurcations Near a Cuspidal Loop. Symmetry, 2020, 12, 1425.	2.2	2
154	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
155	An estimate of the number of limit cycles bifurcating from a planar integrable system. Bulletin Des Sciences Mathematiques, 2022, 176, 103118.	1.0	2
156	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
157	EXISTENCE AND BIFURCATION OF PERIODIC SOLUTIONS OF THREE-DIMENSIONAL DELAY DIFFERENTIAL EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3921-3929.	1.7	1
158	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
159	Critical Periods of Perturbations of Reversible Rigidly Isochronous Centers. Abstract and Applied Analysis, 2013, 2013, 1-12.	0.7	1
160	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
161	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
162	On the Number of Limit Cycles by Perturbing a Piecewise Smooth Liénard Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650168.	1.7	1

#	ARTICLE	IF	CITATIONS
163	Dynamics of an autocatalator model. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 9092-9102.	2.3	1
164	The Dynamics of a Kind of Liñard System with Sixth Degree and Its Limit Cycle Bifurcations Under Perturbations. <i>Qualitative Theory of Dynamical Systems</i> , 2020, 19, 1.	1.7	1
165	Limit Cycle Bifurcations of a Planar Near-Integrable System with Two Small Parameters. <i>Acta Mathematica Scientia</i> , 2021, 41, 1034-1056.	1.0	1
166	Limit Cycles from Perturbing a Piecewise Smooth System with a Center and a Homoclinic Loop. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150159.	1.7	1
167	On the number of limit cycles of a cubic Near-Hamiltonian system. <i>Discrete and Continuous Dynamical Systems</i> , 2009, 24, 827-840.	0.9	1
168	Asymptotical properties for neutral distributed parameter systems. , 0, , .		0
169	Variable structure control design for uncertain distributed parameter systems with nonlinear input. , 0, , .		0
170	OPTIMAL CONTINGENT CLAIMS AND CONSUMPTION. <i>International Journal of Theoretical and Applied Finance</i> , 2005, 08, 463-482.	0.5	0
171	LIMIT CYCLE BIFURCATIONS OF TWO KINDS OF POLYNOMIAL DIFFERENTIAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 3341-3357.	1.7	0
172	Bifurcation of Sign-Changing Solutions for m-Point Boundary Value Problems. <i>ISRN Mathematical Analysis</i> , 2012, 2012, 1-13.	0.4	0
173	Center and focus problem and Hopf bifurcation for planar polynomial systems. , 2012, , .		0
174	Stability of Nonlinear Volterra Integro-Differential Systems with Time Delay. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-5.	0.7	0
175	The Number of Limit Cycles of a Polynomial System on the Plane. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.7	0
176	Some Opial Type Inequalities with Higher Order Delta Derivative on Time Scales. <i>Applied Mechanics and Materials</i> , 2013, 432, 185-188.	0.2	0
177	ON THE NUMBER AND DISTRIBUTIONS OF LIMIT CYCLES OF A PLANAR QUARTIC VECTOR FIELD. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350069.	1.7	0
178	The Existence of Periodic Orbits and Invariant Tori for Some 3-Dimensional Quadratic Systems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	2.1	0
179	Dynamics of Nonlinear Systems. <i>Scientific World Journal</i> , The, 2014, 2014, 1-1.	2.1	0
180	Periodic Solutions and Asymptotic Analysis of Ordinary Differential Equations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-1.	0.7	0

#	ARTICLE	IF	CITATIONS
181	Hopf Bifurcation of Limit Cycles in Some Piecewise Smooth Liénard Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050249.	1.7	0
182	On Some Symmetries of Quadratic Systems. Symmetry, 2020, 12, 1300.	2.2	0
183	Some Cauchy mean-type mappings for which the arithmetic mean is invariant. Aequationes Mathematicae, 2021, 95, 13-34.	0.8	0
184	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
185	Further study on Horozov-Iliev's method of estimating the number of limit cycles. Science China Mathematics, 0, , .	1.7	0
186	The number of limit cycles for some polynomial systems with multiple parameters. Journal of Mathematical Analysis and Applications, 2022, 514, 126331.	1.0	0