

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

961 papers	9,692 citations	43 h-index	61 g-index
1,030 ext. papers	10,818 ext. citations	1.7 avg, IF	6.84 L-index

#	Paper	IF	Citations
961	Invariant Algebraic Curves of Generalized Liñard Polynomial Differential Systems. <i>Mathematics</i> , 2022 , 10, 209	2.3	0
960	Global dynamics for the Szekeres system with non-zero cosmological constant. <i>Physics of the Dark Universe</i> , 2022 , 35, 100954	4.4	1
959	Melnikov functions of arbitrary order for piecewise smooth differential systems in \mathbb{R}^n and applications. <i>Journal of Differential Equations</i> , 2022 , 314, 340-369	2.1	0
958	Phase portraits of a family of Kolmogorov systems with infinitely many singular points at infinity. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 104, 106038	3.7	
957	Phase portraits of the Selkov model in the Poincaré disc. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022 ,	1.3	
956	Limit cycles of continuous piecewise differential systems separated by a parabola and formed by a linear center and a quadratic center. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022 ,	2.8	
955	Periods of Morse-Bott diffeomorphisms on \mathbb{S}^n , $\mathbb{S}^m \times \mathbb{S}^n$, $\mathbb{C}^n \times \mathbb{P}^n$ and $\mathbb{H}^n \times \mathbb{P}^n$. <i>Journal of Fixed Point Theory and Applications</i> , 2022 , 24, 1	1.4	
954	On the equilateral pentagonal central configurations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 106511	3.7	0
953	Global phase portraits of a predator-prey system. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2022 , 1-13	0.5	0
952	A characterization of the generalized Liñard polynomial differential systems having invariant algebraic curves. <i>Chaos, Solitons and Fractals</i> , 2022 , 158, 112075	9.3	0
951	Limit cycles in Filippov systems having a circle as switching manifold. <i>Chaos</i> , 2022 , 32, 053106	3.3	1
950	Non-existence and uniqueness of limit cycles in a class of generalized Liñard equations. <i>Boletín De La Sociedad Matemática Mexicana</i> , 2022 , 28, 1	0.6	
949	Crossing limit cycles for discontinuous piecewise differential systems formed by linear Hamiltonian saddles or linear centers separated by a conic. <i>Chaos, Solitons and Fractals</i> , 2022 , 159, 112076	9.3	
948	LIMIT CYCLES OF THE DISCONTINUOUS PIECEWISE DIFFERENTIAL SYSTEMS ON THE CYLINDER. <i>Journal of Applied Analysis and Computation</i> , 2022 , 12, 952-963	0.4	
947	Global centers of the generalized polynomial Liñard differential systems. <i>Journal of Differential Equations</i> , 2022 , 330, 66-80	2.1	0
946	Periodic solutions and their stability for some perturbed Hamiltonian systems. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021 , 18, 2150013	1.5	
945	Entropy and periods for continuous graph maps. <i>Computational and Applied Mathematics</i> , 2021 , 40, 1	2.4	1

944	Global Dynamics of the Hořava-Lifshitz Cosmological Model in a Non-Flat Universe with Non-Zero Cosmological Constant. <i>Universe</i> , 2021 , 7, 445	2.5	0
943	Periodic structure of the transversal maps on surfaces. <i>Journal of Fixed Point Theory and Applications</i> , 2021 , 23, 1	1.4	
942	The circular restricted 4-body problem with three equal primaries in the collinear central configuration of the 3-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2021 , 133, 1	1.4	0
941	Limit cycles of planar discontinuous piecewise linear Hamiltonian systems without equilibria separated by reducible cubics. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021 , 1-38	0.5	
940	Planar Kolmogorov Systems Coming from Spatial Lotka-Volterra Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31,	2	1
939	Weierstrass Integrability of Complex Differential Equations. <i>Acta Mathematica Sinica, English Series</i> , 2021 , 37, 1497-1506	0.6	1
938	Polynomial Vector Fields on the Clifford Torus. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150057	2	
937	A new sufficient condition in order that the real Jacobian conjecture in \mathbb{R}^2 holds. <i>Journal of Differential Equations</i> , 2021 , 281, 333-340	2.1	1
936	The 16th Hilbert problem for discontinuous piecewise isochronous centers of degree one or two separated by a straight line. <i>Chaos</i> , 2021 , 31, 043112	3.3	3
935	Generalized Analytic Integrability of a Class of Polynomial Differential Systems in (\mathbb{C}^2) . <i>Acta Applicandae Mathematicae</i> , 2021 , 173, 1	1.1	
934	The zero-Hopf bifurcations of a four-dimensional hyperchaotic system. <i>Journal of Mathematical Physics</i> , 2021 , 62, 052703	1.2	1
933	Bifurcations of the Riccati Quadratic Polynomial Differential Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150094	2	
932	Limit cycles in piecewise polynomial systems allowing a non-regular switching boundary. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 419, 132855	3.3	2
931	Three-Dimensional Lotka-Volterra Systems with 3:1:2-Resonance. <i>Mediterranean Journal of Mathematics</i> , 2021 , 18, 1	0.9	
930	Periodic orbits for a generalized Hénon-Heiles Hamiltonian system with an additional singular gravitational term. <i>Europhysics Letters</i> , 2021 , 134, 60005	1.6	1
929	Limit Cycles of Planar Piecewise Differential Systems with Linear Hamiltonian Saddles. <i>Symmetry</i> , 2021 , 13, 1128	2.7	1
928	Phase portraits of the quadratic polynomial Liénard differential systems. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2021 , 151, 202-216	1	1
927	On the birth and death of algebraic limit cycles in quadratic differential systems. <i>European Journal of Applied Mathematics</i> , 2021 , 32, 317-336	1	0

926	A survey on algebraic and explicit non-algebraic limit cycles in planar differential systems 2021 , 39, 48-61		3
925	Global Dynamics and Bifurcation of Periodic Orbits in a Modified Nosé-Hoover Oscillator. <i>Journal of Dynamical and Control Systems</i> , 2021 , 27, 491-506	1.1	2
924	The Markus-Yamabe Conjecture Does not Hold for Discontinuous Piecewise Linear Differential Systems Separated by One Straight Line. <i>Journal of Dynamics and Differential Equations</i> , 2021 , 33, 659-676	1.3	2
923	N-Dimensional Zero-Hopf Bifurcation of Polynomial Differential Systems via Averaging Theory of Second Order. <i>Journal of Dynamical and Control Systems</i> , 2021 , 27, 283-291	1.1	
922	Darboux integrability and dynamics of the Basener-Ross population model. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2021 , 70, 427-439	0.5	
921	The Euler-Jacobi formula and the planar quadratic-quartic polynomial differential systems. <i>Proceedings of the American Mathematical Society</i> , 2021 , 149, 135-141	0.8	3
920	Periodic orbits bifurcating from a Hopf equilibrium of 2-dimensional polynomial Kolmogorov systems of arbitrary degree. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110489	9.3	0
919	Analytic integrability of quasi-homogeneous systems via the Yoshida method. <i>Journal of Symbolic Computation</i> , 2021 , 104, 960-980	0.8	
918	Phase portraits and bifurcation diagram of the Gray-Scott model. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 496, 124840	1.1	2
917	The zero-Hopf bifurcations in the Kolmogorov systems of degree 3 in \mathbb{R}^3 . <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 95, 105621	3.7	4
916	Configurations of the Topological Indices of the Planar Polynomial Differential Systems of Degree (2, m). <i>Results in Mathematics</i> , 2021 , 76, 1	0.9	0
915	Geometric Configurations of Singularities of Planar Polynomial Differential Systems 2021 ,		9
914	Rational first integrals of the Lihard equations: The solution to the Poincaré problem for the Lihard equations. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021 , 93, e20191139	1.4	0
913	Dynamics of two Einstein-Friedmann cosmological models. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	
912	Rational limit cycles of Abel equations. <i>Communications on Pure and Applied Analysis</i> , 2021 , 20, 1077	1.9	2
911	Vanishing set of inverse Jacobi multipliers and attractor/repeller sets. <i>Chaos</i> , 2021 , 31, 013113	3.3	0
910	Phase portraits of the Higgins-Belkov system. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021 ,	1.3	1
909	Dynamics and Darboux Integrability of the D2 Polynomial Vector Fields of Degree 2 in (\mathbb{R}^3) . <i>Mathematical Physics Analysis and Geometry</i> , 2021 , 24, 1	0.8	

908	Limit cycles bifurcating from a zero-Hopf equilibrium of a 3-dimensional continuous differential system. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2021 , 15, 419	0.4	
907	Phase portraits of the complex Abel polynomial differential systems. <i>Chaos, Solitons and Fractals</i> , 2021 , 148, 111050	9.3	0
906	The planar discontinuous piecewise linear refracting systems have at most one limit cycle. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021 , 41, 101045	4.5	3
905	The Limit Cycles of the Higgins-Belkov Systems. <i>Journal of Nonlinear Science</i> , 2021 , 31, 1	2.8	
904	A sufficient condition for the real Jacobian conjecture in \mathbb{R}^2 . <i>Nonlinear Analysis: Real World Applications</i> , 2021 , 60, 103298	2.1	1
903	Limit cycles of discontinuous piecewise differential systems formed by linear centers in \mathbb{R}^2 and separated by two circles. <i>Nonlinear Analysis: Real World Applications</i> , 2021 , 60, 103281	2.1	1
902	Dynamics of the Szekeres system. <i>Journal of Mathematical Physics</i> , 2021 , 62, 082502	1.2	2
901	Integrability and Limit Cycles via First Integrals. <i>Symmetry</i> , 2021 , 13, 1736	2.7	1
900	Periodic orbits and equilibria for a seventh-order generalized H�on-Heiles Hamiltonian system. <i>Journal of Geometry and Physics</i> , 2021 , 167, 104290	1.2	1
899	Limit cycles of piecewise differential equations on the cylinder. <i>Bulletin Des Sciences Mathematiques</i> , 2021 , 170, 103013	0.7	1
898	Complete integrability of vector fields in \mathbb{R}^N . <i>Journal of Geometry and Physics</i> , 2021 , 168, 104308	1.2	0
897	Quadratic planar differential systems with algebraic limit cycles via quadratic plane Cremona maps. <i>Advances in Mathematics</i> , 2021 , 389, 107924	1.3	0
896	Phase portraits of (2;0) reversible vector fields with symmetrical singularities. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 503, 125324	1.1	
895	Polynomial differential systems with even degree have no global centers. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 503, 125281	1.1	0
894	A survey on the Kovalevskaya exponents and their applications. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 504, 125576	1.1	
893	Dynamics of the FitzHugh-Nagumo system having invariant algebraic surfaces. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021 , 72, 1	1.6	0
892	The solution of the second part of the 16th Hilbert problem for nine families of discontinuous piecewise differential systems. <i>Nonlinear Dynamics</i> , 2020 , 102, 2453-2466	5	1
891	Invariant conditions for phase portraits of quadratic systems with complex conjugate invariant lines meeting at a finite point. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 70, 923	0.5	0

890	Non-existence, existence, and uniqueness of limit cycles for a generalization of the Van der Pol-Duffing and the Rayleigh-Duffing oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 407, 132458	3.3	10
889	Integrability by separation of variables. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 409, 132523	3.3	
888	Global dynamics of a Lotka-Volterra system in R^3 . <i>Journal of Nonlinear Mathematical Physics</i> , 2020 , 27, 509	0.9	1
887	Integrability and zero-Hopf bifurcation in the Sprott A system. <i>Bulletin Des Sciences Mathematiques</i> , 2020 , 162, 102874	0.7	5
886	Limit cycles of piecewise polynomial perturbations of higher dimensional linear differential systems. <i>Revista Matematica Iberoamericana</i> , 2020 , 36, 291-318	1.2	2
885	On the Convex Central Configurations of the Symmetric (\mathbb{R}^2) -body Problem. <i>Regular and Chaotic Dynamics</i> , 2020 , 25, 250-272	1.6	
884	Limit cycles bifurcating of Kolmogorov systems in R^2 and in R^3 . <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 91, 105401	3.7	5
883	Dynamics of a family of Lotka-Volterra systems in R^3 . <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020 , 199, 111915	1.3	2
882	On the global dynamics of a three-dimensional forced-damped differential system. <i>Journal of Nonlinear Mathematical Physics</i> , 2020 , 27, 414	0.9	2
881	Crossing Limit Cycles of Planar Piecewise Linear Hamiltonian Systems without Equilibrium Points. <i>Mathematics</i> , 2020 , 8, 755	2.3	4
880	On the Polynomial Solutions of the Polynomial Differential Equations $y' = a_0(x) + a_1(x)y + a_2(x)y^2 + \dots + a_n(x)y^n$. <i>Indian Journal of Pure and Applied Mathematics</i> , 2020 , 51, 217-232	0.3	2
879	Global dynamics of Hořava-Lifshitz cosmology with non-zero curvature and a wide range of potentials. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
878	Final evolutions of a class of May-Leonard Lotka-Volterra systems. <i>Journal of Nonlinear Mathematical Physics</i> , 2020 , 27, 267	0.9	3
877	Z_2 -equivariant linear type bi-center cubic polynomial Hamiltonian vector fields. <i>Journal of Differential Equations</i> , 2020 , 269, 832-861	2.1	1
876	Integrability of a class of N -dimensional Lotka-Volterra and Kolmogorov systems. <i>Journal of Differential Equations</i> , 2020 , 269, 2503-2531	2.1	2
875	Nilpotent Global Centers of Linear Systems with Cubic Homogeneous Nonlinearities. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050010	2	1
874	Global Topological Configurations of Singularities for the Whole Family of Quadratic Differential Systems. <i>Qualitative Theory of Dynamical Systems</i> , 2020 , 19, 1	0.8	7
873	Limit cycles for two classes of control piecewise linear differential systems. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2020 , 14, 49-65	0.4	1

872	Simultaneous occurrence of sliding and crossing limit cycles in piecewise linear planar vector fields. <i>Dynamical Systems</i> , 2020 , 35, 490-514	0.6	4
871	Topological entropy of continuous self-maps on closed surfaces. <i>Journal of Difference Equations and Applications</i> , 2020 , 26, 203-208	1	
870	Bifurcations from families of periodic solutions in piecewise differential systems. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 404, 132342	3.3	3
869	Orbitally universal centers. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020 , 195, 111746	1.3	1
868	Limit Cycles Bifurcating from a Family of Reversible Quadratic Centers via Averaging Theory. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050051	2	
867	Strongly formal Weierstrass non-integrability for polynomial differential systems in \mathbb{C}^2 . <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2020 , 1-16	0.5	5
866	Crossing limit cycles for piecewise linear differential centers separated by a reducible cubic curve. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2020 , 1-48	0.5	6
865	On the configurations of centers of planar Hamiltonian Kolmogorov cubic polynomial differential systems. <i>Pacific Journal of Mathematics</i> , 2020 , 306, 611-644	0.5	0
864	Qualitative study of a model with Rastall gravity. <i>Classical and Quantum Gravity</i> , 2020 , 37, 245010	3.3	1
863	Tangential Trapezoid Central Configurations. <i>Regular and Chaotic Dynamics</i> , 2020 , 25, 651-661	1.6	1
862	Periodic solutions for differential systems in \mathbb{R}^3 and \mathbb{R}^4 . <i>Applied Mathematics and Nonlinear Sciences</i> , 2020 ,	4	3
861	Canard Limit Cycles for Piecewise Linear Lihard Systems with Three Zones. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050232	2	0
860	Phase portraits of planar piecewise linear refracting systems: Focus-saddle case. <i>Nonlinear Analysis: Real World Applications</i> , 2020 , 56, 103153	2.1	3
859	Limit Cycles of a Perturbation of a Polynomial Hamiltonian Systems of Degree 4 Symmetric with Respect to the Origin. <i>Canadian Mathematical Bulletin</i> , 2020 , 63, 547-561	0.6	
858	Existence of Periodic Solutions for a Class of Second Order Ordinary Differential Equations. <i>Acta Applicandae Mathematicae</i> , 2020 , 169, 193-197	1.1	2
857	Bounded polynomial vector fields in \mathbb{R}^2 and \mathbb{R}^n . <i>Journal of Differential Equations</i> , 2020 , 268, 4416-4422	2.1	0
856	Periods of holomorphic maps on compact Riemann surfaces and product of spheres. <i>Journal of Difference Equations and Applications</i> , 2020 , 26, 1059-1066	1	
855	On the periodic solutions of the relativistic driven harmonic oscillator. <i>Journal of Mathematical Physics</i> , 2020 , 61, 012501	1.2	2

854	On the dynamics of the Euler equations on $so(4)$. <i>Dynamical Systems</i> , 2020 , 35, 361-368	0.6	
853	Centers of planar generalized Abel equations. <i>Journal of Differential Equations</i> , 2020 , 268, 6481-6487	2.1	1
852	Periodic Solutions of Continuous Third-Order Differential Equations with Piecewise Polynomial Nonlinearities. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050158	2	
851	Zero-Hopf Periodic Orbits for a Rössler Differential System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050170	2	1
850	The dynamics of the relativistic Kepler problem. <i>Results in Physics</i> , 2020 , 19, 103406	3.7	0
849	Dynamics of a Competitive Lotka-Volterra Systems in (\mathbb{R}^3) . <i>Acta Applicandae Mathematicae</i> , 2020 , 170, 569-577	1.1	2
848	Gradient systems of harmonic polynomials. <i>Journal of Differential Equations</i> , 2020 , 269, 10073-10084	2.1	
847	On the Zero-Hopf Bifurcation of the Lotka-Volterra Systems in \mathbb{R}^3 . <i>Mathematics</i> , 2020 , 8, 1137	2.3	3
846	On the configurations of the singular points and their topological indices for the spatial quadratic polynomial differential systems. <i>Journal of Differential Equations</i> , 2020 , 269, 10571-10586	2.1	2
845	Periodic orbits of the two fixed centers problem with a variational gravitational field. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020 , 132, 1	1.4	2
844	Periodic orbits of a Hamiltonian system related with the Friedmann-Robertson-Walker system in rotating coordinates. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 413, 132673	3.3	1
843	The center problem for the class of $(\varLambda - \varOmega)$ differential systems. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 1	0.5	
842	On the Singularities of the Planar Cubic Polynomial Differential Systems and the Euler Jacobi Formula. <i>Qualitative Theory of Dynamical Systems</i> , 2020 , 19, 1	0.8	2
841	Zero-Hopf Bifurcations in Three-Dimensional Chaotic Systems with One Stable Equilibrium. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050189	2	2
840	Crossing Periodic Orbits via First Integrals. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050163	2	
839	Limit Cycles in Planar Piecewise Linear Hamiltonian Systems with Three Zones Without Equilibrium Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050157	2	6
838	Periodic Solutions for a Class of Non-autonomous Newton Differential Equations. <i>Differential Equations and Dynamical Systems</i> , 2020 , 28, 373-379	0.8	2
837	Global dynamics of a virus model with invariant algebraic surfaces. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 69, 535-546	0.5	

836	On a conjecture on the integrability of Liñard systems. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 69, 209-216	0.5	1
835	Differential equations with a given set of solutions. <i>Applied Mathematics and Computation</i> , 2020 , 365, 124659	2.7	
834	Spatial Convex but Non-strictly Convex Double-Pyramidal Central Configurations of the $((2n+2))$ -Body Problem. <i>Journal of Dynamics and Differential Equations</i> , 2020 , 32, 1965-1982	1.3	
833	The centers and their cyclicity for a class of polynomial differential systems of degree 7. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 368, 112456	2.4	1
832	Global qualitative dynamics of the Brusselator system. <i>Mathematics and Computers in Simulation</i> , 2020 , 170, 107-114	3.3	0
831	Linear type global centers of linear systems with cubic homogeneous nonlinearities. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 69, 771-785	0.5	1
830	Formal Weierstrass Nonintegrability Criterion for Some Classes of Polynomial Differential Systems in C^2 . <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050064	2	4
829	Phase portraits of piecewise linear continuous differential systems with two zones separated by a straight line. <i>Journal of Differential Equations</i> , 2019 , 266, 8094-8109	2.1	15
828	Final evolutions for simplified multistrain/two-stream model for tuberculosis and dengue fever. <i>Chaos, Solitons and Fractals</i> , 2019 , 118, 181-186	9.3	1
827	Limit cycles created by piecewise linear centers. <i>Chaos</i> , 2019 , 29, 053116	3.3	4
826	Equilic quadrilateral central configurations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 78, 104872	3.7	2
825	New Symmetric Periodic Solutions for the Maxwell-Bloch Differential System. <i>Mathematical Physics Analysis and Geometry</i> , 2019 , 22, 1	0.8	1
824	Melnikov analysis in nonsmooth differential systems with nonlinear switching manifold. <i>Journal of Differential Equations</i> , 2019 , 267, 3748-3767	2.1	8
823	On planar polynomial vector fields with elementary first integrals. <i>Journal of Differential Equations</i> , 2019 , 267, 4572-4588	2.1	4
822	Periodic structure of transversal maps on sum-free products of spheres. <i>Journal of Difference Equations and Applications</i> , 2019 , 25, 619-629	1	4
821	Limit Cycles for Discontinuous Planar Piecewise Linear Differential Systems Separated by an Algebraic Curve. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950017	2	10
820	Periodic Orbits of the Planar Anisotropic Manev Problem and of the Perturbed Hydrogen Atom Problem. <i>Qualitative Theory of Dynamical Systems</i> , 2019 , 18, 969-986	0.8	2
819	Periodic orbits of the planar anisotropic generalized Kepler problem. <i>Journal of Mathematical Physics</i> , 2019 , 60, 042901	1.2	2

818	On the periods of a continuous self-map on a graph. <i>Computational and Applied Mathematics</i> , 2019 , 38, 1	2.4	
817	Periodic motion in non-axially symmetric galaxies. <i>Journal of Geometry and Physics</i> , 2019 , 140, 1-9	1.2	3
816	Phase portraits of integrable quadratic systems with an invariant parabola and an invariant straight line. <i>Comptes Rendus Mathématique</i> , 2019 , 357, 143-166	0.4	
815	New Family of Centers of Planar Polynomial Differential Systems of Arbitrary Even Degree. <i>Journal of Dynamical and Control Systems</i> , 2019 , 25, 619-630	1.1	1
814	Phase portraits of continuous piecewise linear Liñard differential systems with three zones. <i>Chaos, Solitons and Fractals</i> , 2019 , 120, 149-157	9.3	3
813	An inverse approach to the center problem. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2019 , 68, 29-64.5	6.5	6
812	Global dynamics of the integrable Armbruster-Guckenheimer-Kim galactic potential. <i>Astrophysics and Space Science</i> , 2019 , 364, 1	1.6	1
811	Integrability of reversible and equivariant quadratic polynomial differential systems in the plane. <i>Rocky Mountain Journal of Mathematics</i> , 2019 , 49,	1.4	1
810	Center problem for differential systems. <i>Journal of Differential Equations</i> , 2019 , 267, 6409-6446	2.1	4
809	On the limit cycles surrounding a diagonalizable linear node with homogeneous nonlinearities. <i>Applied Mathematics Letters</i> , 2019 , 98, 427-431	3.5	
808	Bicentric quadrilateral central configurations. <i>Applied Mathematics and Computation</i> , 2019 , 362, 124507	2.7	1
807	New classes of polynomial maps satisfying the real Jacobian conjecture in \mathbb{R}^2 . <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, e20170627	1.4	
806	Topological entropy of continuous self-maps on a graph. <i>Computational and Applied Mathematics</i> , 2019 , 38, 1	2.4	
805	On topological entropy, Lefschetz numbers and Lefschetz zeta functions. <i>Topology and Its Applications</i> , 2019 , 268, 106906	0.4	1
804	Canards Existence in the Hindmarsh-Rose model. <i>Mathematical Modelling of Natural Phenomena</i> , 2019 , 14, 409	3	5
803	Phase portraits of linear type centers of polynomial Hamiltonian systems with Hamiltonian function of degree 5 of the form $H = H_1(x) + H_2(y)$. <i>Discrete and Continuous Dynamical Systems</i> , 2019 , 39, 75-113	2	2
802	Periodic orbits for the perturbed planar circular restricted 3Body problem. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2019 , 24, 1007-1020	1.3	14
801	Canards Existence in the Hindmarsh-Rose Model. <i>Trends in Mathematics</i> , 2019 , 169-175	0.3	

800	Periodic solutions for a class of Duffing differential equations. <i>Moroccan Journal of Pure and Applied Analysis</i> , 2019 , 5, 86-103	0.7	
799	Global dynamics of the Hořava-Lifshitz cosmological system. <i>General Relativity and Gravitation</i> , 2019 , 51, 1	2.3	2
798	Limit cycles of a second-order differential equation. <i>Applied Mathematics Letters</i> , 2019 , 88, 111-117	3.5	1
797	Hjlemslev quadrilateral central configurations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 103-109	2.3	5
796	On the dynamics of the Szekeres system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 301-305	2.3	5
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