

Claudia Valls

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1571003/claudia-valls-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

479
papers

2,766
citations

20
h-index

37
g-index

511
ext. papers

3,180
ext. citations

1.5
avg, IF

5.96
L-index

#	Paper	IF	Citations
479	Sets of Non-typical points have full topological entropy and full Hausdorff dimension. <i>Israel Journal of Mathematics</i> , 2000 , 116, 29-70	0.8	208
478	Nonuniform Hyperbolicity: Dynamics of Systems with Nonzero Lyapunov Exponents 2007 ,		200
477	Higher-dimensional multifractal analysis. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2002 , 81, 67-91	1.7	79
476	Stability of Nonautonomous Differential Equations. <i>Lecture Notes in Mathematics</i> , 2008 ,	0.4	75
475	Lyapunov Exponents and Smooth Ergodic Theory. <i>University Lecture Series</i> , 2001 ,	1.5	61
474	Nonadditive thermodynamic formalism: Equilibrium and Gibbs measures. <i>Discrete and Continuous Dynamical Systems</i> , 2006 , 16, 279-305	2	45
473	Stability theory and Lyapunov regularity. <i>Journal of Differential Equations</i> , 2007 , 232, 675-701	2.1	44
472	Robustness of nonuniform exponential dichotomies in Banach spaces. <i>Journal of Differential Equations</i> , 2008 , 244, 2407-2447	2.1	43
471	A Grobman-Hartman theorem for nonuniformly hyperbolic dynamics. <i>Journal of Differential Equations</i> , 2006 , 228, 285-310	2.1	34
470	Stable manifolds for nonautonomous equations without exponential dichotomy. <i>Journal of Differential Equations</i> , 2006 , 221, 58-90	2.1	33
469	Polynomial growth rates. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 5208-5219	1.3	31
468	A formal approximation of the splitting of separatrices in the classical Arnold's example of diffusion with two equal parameters. <i>Nonlinearity</i> , 2001 , 14, 1707-1760	1.7	30
467	Polynomial, rational and analytic first integrals for a family of 3-dimensional Lotka-Volterra systems. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2011 , 62, 761-777	1.6	27
466	Uniqueness and Non-uniqueness of Limit Cycles for Piecewise Linear Differential Systems with Three Zones and No Symmetry. <i>Journal of Nonlinear Science</i> , 2015 , 25, 861-887	2.8	25
465	Smooth Ergodic Theory and Nonuniformly Hyperbolic Dynamics. <i>Handbook of Dynamical Systems</i> , 2006 , 57-263		25
464	Integrability of the Bianchi IX system. <i>Journal of Mathematical Physics</i> , 2005 , 46, 072901	1.2	24
463	Hamiltonian nilpotent centers of linear plus cubic homogeneous polynomial vector fields. <i>Advances in Mathematics</i> , 2014 , 259, 655-687	1.3	23

462	Lyapunov sequences for exponential dichotomies. <i>Journal of Differential Equations</i> , 2009 , 246, 183-215	2.1	22
461	Classification of the centers, their cyclicity and isochronicity for a class of polynomial differential systems generalizing the linear systems with cubic homogeneous nonlinearities. <i>Journal of Differential Equations</i> , 2009 , 246, 2192-2204	2.1	22
460	Global analytic first integrals for the real planar Lotka-Volterra system. <i>Journal of Mathematical Physics</i> , 2007 , 48, 033507	1.2	22
459	On the integrability and the zero-Hopf bifurcation of a Chen-Wang differential system. <i>Nonlinear Dynamics</i> , 2015 , 80, 353-361	5	19
458	Nonuniform exponential dichotomies and admissibility. <i>Discrete and Continuous Dynamical Systems</i> , 2011 , 30, 39-53	2	19
457	Admissibility for nonuniform exponential contractions. <i>Journal of Differential Equations</i> , 2010 , 249, 2889-2904	2	19
456	Smoothness of Invariant Manifolds for Nonautonomous Equations. <i>Communications in Mathematical Physics</i> , 2005 , 259, 639-677	2	19
455	Rikitake system: analytic and Darbouxian integrals. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2005 , 135, 1309-1326	1	19
454	Nonuniform Exponential Dichotomies and Lyapunov Regularity. <i>Journal of Dynamics and Differential Equations</i> , 2006 , 19, 215-241	1.3	18
453	Stability of nonautonomous differential equations in Hilbert spaces. <i>Journal of Differential Equations</i> , 2005 , 217, 204-248	2.1	18
452	Growth rates and nonuniform hyperbolicity. <i>Discrete and Continuous Dynamical Systems</i> , 2008 , 22, 509-528		18
451	Hamiltonian linear type centers of linear plus cubic homogeneous polynomial vector fields. <i>Journal of Differential Equations</i> , 2014 , 257, 1623-1661	2.1	17
450	Irregular sets are residual. <i>Tohoku Mathematical Journal</i> , 2014 , 66,	0.8	17
449	Nonuniform Hyperbolicity and Admissibility. <i>Advanced Nonlinear Studies</i> , 2014 , 14, 791-811	1.2	17
448	Multifractal Structure of Two-Dimensional Horseshoes. <i>Communications in Mathematical Physics</i> , 2006 , 266, 455-470	2	17
447	ALMOST ADDITIVE THERMODYNAMIC FORMALISM: SOME RECENT DEVELOPMENTS. <i>Reviews in Mathematical Physics</i> , 2010 , 22, 1147-1179	1.2	16
446	Conjugacies for linear and nonlinear perturbations of nonuniform behavior. <i>Journal of Functional Analysis</i> , 2007 , 253, 324-358	1.4	16
445	On the dynamics of the Rayleigh-Duffing oscillator. <i>Nonlinear Analysis: Real World Applications</i> , 2019 , 45, 309-319	2.1	15

444	Liouvillian first integrals for Liard polynomial differential systems. <i>Proceedings of the American Mathematical Society</i> , 2010 , 138, 3229-3229	0.8	15
443	Darboux integrability of the Liard system. <i>Journal of Geometry and Physics</i> , 2013 , 63, 118-128	1.2	14
442	Liouvillian First Integrals for Generalized Liard Polynomial Differential Systems. <i>Advanced Nonlinear Studies</i> , 2013 , 13, 825-835	1.2	14
441	Invariant Algebraic Surfaces for Generalized Raychaudhuri Equations. <i>Communications in Mathematical Physics</i> , 2011 , 308, 133-146	2	14
440	Classification of the centers, their cyclicity and isochronicity for the generalized quadratic polynomial differential systems. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 357, 427-437	1.1	14
439	Robustness of general dichotomies. <i>Journal of Functional Analysis</i> , 2009 , 257, 464-484	1.4	14
438	Liouvillian integrability of a general Rayleigh-Duffing oscillator. <i>Journal of Nonlinear Mathematical Physics</i> , 2019 , 26, 169	0.9	13
437	Strong and weak(Lp,Lq)-admissibility. <i>Bulletin Des Sciences Mathematiques</i> , 2014 , 138, 721-741	0.7	13
436	Robustness of nonuniform exponential trichotomies in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 351, 373-381	1.1	13
435	On the local analytic integrability at the singular point of a class of Liard analytic differential systems. <i>Proceedings of the American Mathematical Society</i> , 2010 , 138, 253-261	0.8	13
434	Lyapunov regularity of impulsive differential equations. <i>Journal of Differential Equations</i> , 2010 , 249, 1596-1619	1.3	13
433	On the integrability of the Einstein-Infeld-Mills equations. <i>Journal of Mathematical Analysis and Applications</i> , 2007 , 336, 1203-1230	1.1	13
432	Lyapunov exponents for continuous transformations and dimension theory. <i>Discrete and Continuous Dynamical Systems</i> , 2005 , 13, 469-490	2	13
431	Center manifolds for nonuniformly partially hyperbolic diffeomorphisms. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2005 , 84, 1693-1715	1.7	13
430	Hilber Grobman-Hartman linearization. <i>Discrete and Continuous Dynamical Systems</i> , 2007 , 18, 187-197	2	13
429	Lyapunov Functions for General Nonuniform Dichotomies. <i>Milan Journal of Mathematics</i> , 2013 , 81, 153-169		12
428	Classification of the centers, of their cyclicity and isochronicity for two classes of generalized quintic polynomial differential systems. <i>Nonlinear Differential Equations and Applications</i> , 2009 , 16, 657-679	0.8	12
427	Nonuniform behavior and robustness. <i>Journal of Differential Equations</i> , 2009 , 246, 3579-3608	2.1	12

426	Classification of the centers and isochronous centers for a class of quartic-like systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 3119-3128	1.3	12
425	Formal and analytical integrability of the Bianchi IX system. <i>Journal of Mathematical Physics</i> , 2006 , 47, 022704	1.2	12
424	Formal and analytic integrability of the Lorenz system. <i>Journal of Physics A</i> , 2005 , 38, 2681-2686		12
423	Phase portraits of the two-body problem with Manev potential. <i>Journal of Physics A</i> , 2001 , 34, 1919-1934		12
422	Bifurcation of limit cycles from a 4-dimensional center in R^m in resonance 1:N. <i>Journal of Mathematical Analysis and Applications</i> , 2012 , 389, 754-768	1.1	11
421	Quadratic Lyapunov functions and nonuniform exponential dichotomies. <i>Journal of Differential Equations</i> , 2009 , 246, 1235-1263	2.1	11
420	Smooth center manifolds for nonuniformly partially hyperbolic trajectories. <i>Journal of Differential Equations</i> , 2007 , 237, 307-342	2.1	11
419	Quasiperiodic Solutions for Dissipative Boussinesq Systems. <i>Communications in Mathematical Physics</i> , 2006 , 265, 305-331	2	11
418	Algebraic traveling waves for the generalized Newell-Whitehead-Begel equation. <i>Nonlinear Analysis: Real World Applications</i> , 2017 , 36, 249-266	2.1	10
417	Bifurcation diagrams for Hamiltonian nilpotent centers of linear plus cubic homogeneous polynomial vector fields. <i>Journal of Differential Equations</i> , 2017 , 262, 5518-5533	2.1	10
416	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
415	Admissibility on the half line for evolution families. <i>Journal DgAnalyse Mathematique</i> , 2017 , 132, 157-176o.8		10
414	Classification of the centers and their isochronicity for a class of polynomial differential systems of arbitrary degree. <i>Advances in Mathematics</i> , 2011 , 227, 472-493	1.3	10
413	Analytic integrability of Hamiltonian systems with a homogeneous polynomial potential of degree 4. <i>Journal of Mathematical Physics</i> , 2011 , 52, 012702	1.2	10
412	POLYNOMIAL FIRST INTEGRALS FOR THE CHEN AND LI SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250262	2	10
411	Darboux integrability and algebraic invariant surfaces for the Rikitake system. <i>Journal of Mathematical Physics</i> , 2008 , 49, 032702	1.2	10
410	Stability in delay difference equations with nonuniform exponential behavior. <i>Journal of Differential Equations</i> , 2007 , 238, 470-490	2.1	10
409	Formal and analytic first integrals of the Einstein-Infang-Mills equations. <i>Journal of Physics A</i> , 2005 , 38, 8155-8168		10

408	Hopf bifurcation for some analytic differential systems in \mathbb{R}^3 via averaging theory. <i>Discrete and Continuous Dynamical Systems</i> , 2011 , 30, 779-790	2	10
407	Centers for the Kukles homogeneous systems with odd degree. <i>Bulletin of the London Mathematical Society</i> , 2015 , 47, 315-324	0.9	9
406	Bifurcation diagrams for Hamiltonian linear type centers of linear plus cubic homogeneous polynomial vector fields. <i>Journal of Differential Equations</i> , 2015 , 258, 846-879	2.1	9
405	Integrability conditions of a resonant saddle in Liñard-like complex systems. <i>Chaos, Solitons and Fractals</i> , 2016 , 82, 139-141	9.3	9
404	Periodic solutions of a galactic potential. <i>Chaos, Solitons and Fractals</i> , 2014 , 61, 38-43	9.3	9
403	Robust nonuniform dichotomies and parameter dependence. <i>Journal of Mathematical Analysis and Applications</i> , 2011 , 373, 690-708	1.1	9
402	Integrability of the Nosé-Hoover equation. <i>Journal of Geometry and Physics</i> , 2011 , 61, 1348-1352	1.2	9
401	Stable Manifolds for Impulsive Equations Under Nonuniform Hyperbolicity. <i>Journal of Dynamics and Differential Equations</i> , 2010 , 22, 761-785	1.3	9
400	Robustness for impulsive equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010 , 72, 2542-2563	5.3	9
399	Reversibility and equivariance in center manifolds of nonautonomous dynamics. <i>Discrete and Continuous Dynamical Systems</i> , 2007 , 18, 677-699	2	9
398	FORMAL AND ANALYTIC INTEGRABILITY OF THE ROSSLER SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 3289-3293	2	9
397	Tempered exponential dichotomies: admissibility and stability under perturbations. <i>Dynamical Systems</i> , 2016 , 31, 525-545	0.6	9
396	The Completely Integrable Differential Systems are Essentially Linear Differential Systems. <i>Journal of Nonlinear Science</i> , 2015 , 25, 815-826	2.8	8
395	On the Poincaré problem and Liouvillian integrability of quadratic Liñard differential equations. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2020 , 150, 3231-3251	1	8
394	Admissibility and Hyperbolicity. <i>SpringerBriefs in Mathematics</i> , 2018 ,	0.6	8
393	Integrability of the Rucklidge system. <i>Nonlinear Dynamics</i> , 2014 , 77, 1441-1453	5	8
392	Limit cycles for a generalization of polynomial Liñard differential systems. <i>Chaos, Solitons and Fractals</i> , 2013 , 46, 65-74	9.3	8
391	On the number of limit cycles of a class of polynomial differential systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 2347-2360	2.4	8

390	Lyapunov Functions and Cone Families. <i>Journal of Statistical Physics</i> , 2012 , 148, 137-163	1.5	8
389	Dimension spectra of almost additive sequences. <i>Nonlinearity</i> , 2009 , 22, 2761-2773	1.7	8
388	Analytic integrability of quadratic-linear polynomial differential systems. <i>Ergodic Theory and Dynamical Systems</i> , 2011 , 31, 245-258	0.9	8
387	Invariant Manifolds for Impulsive Equations and Nonuniform Polynomial Dichotomies. <i>Journal of Statistical Physics</i> , 2010 , 141, 179-200	1.5	8
386	Nonuniform spectrum on Banach spaces. <i>Advances in Mathematics</i> , 2017 , 321, 547-591	1.3	7
385	From one-sided dichotomies to two-sided dichotomies. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 35, 2817-2844	2	7
384	Polynomial Hamiltonian systems of degree 3 with symmetric nilpotent centers. <i>Mathematics and Computers in Simulation</i> , 2018 , 144, 60-77	3.3	7
383	Dynamics of the Higgins-Belkov and Selkov systems. <i>Chaos, Solitons and Fractals</i> , 2018 , 114, 145-150	9.3	7
382	On the global dynamics of the Newell-Whitehead system. <i>Journal of Nonlinear Mathematical Physics</i> , 2019 , 26, 569	0.9	7
381	Integrability conditions of a resonant saddle perturbed with homogeneous quintic nonlinearities. <i>Nonlinear Dynamics</i> , 2015 , 81, 2021-2030	5	7
380	A Perron-type theorem for nonautonomous differential equations. <i>Journal of Differential Equations</i> , 2015 , 258, 339-361	2.1	7
379	A simple proof of the Grobman-Hartman theorem for nonuniformly hyperbolic flows. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011 , 74, 7210-7225	1.3	7
378	Parameter dependence of stable manifolds under nonuniform hyperbolicity. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 358, 419-426	1.1	7
377	Nonuniform exponential contractions and Lyapunov sequences. <i>Journal of Differential Equations</i> , 2009 , 246, 4743-4771	2.1	7
376	Stable invariant manifolds for parabolic dynamics. <i>Journal of Functional Analysis</i> , 2009 , 257, 1018-1029	1.4	7
375	Centers and Isochronous Centers for Two Classes of Generalized Seventh and Ninth Systems. <i>Journal of Dynamics and Differential Equations</i> , 2010 , 22, 657-675	1.3	7
374	Smooth invariant manifolds in Banach spaces with nonuniform exponential dichotomy. <i>Journal of Functional Analysis</i> , 2006 , 238, 118-148	1.4	7
373	Robustness of nonuniform dichotomies with different growth rates. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2011 , 5, 203	0.4	7

372	Existence of quasi-periodic solutions for elliptic equations on a cylindrical domain. <i>Commentarii Mathematici Helvetici</i> , 2006 , 783-800	0.6	7
371	Two Limit Cycles in Liñard Piecewise Linear Differential Systems. <i>Journal of Nonlinear Science</i> , 2019 , 29, 1499-1522	2.8	7
370	Center problem in the center manifold for quadratic and cubic differential systems in \mathbb{R}^3 . <i>Applied Mathematics and Computation</i> , 2015 , 251, 180-191	2.7	6
369	Lyapunov Exponents 2017 ,		6
368	Smooth robustness of exponential dichotomies. <i>Proceedings of the American Mathematical Society</i> , 2011 , 139, 999-999	0.8	6
367	Center Manifolds Optimal Regularity for Nonuniformly Hyperbolic Dynamics. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2011 , 5, 1	0.4	6
366	Polynomial integrability of the Hamiltonian systems with homogeneous potential of degree \mathbb{B} . <i>Physica D: Nonlinear Phenomena</i> , 2011 , 240, 1928-1935	3.3	6
365	Robustness of Discrete Dynamics via Lyapunov Sequences. <i>Communications in Mathematical Physics</i> , 2009 , 290, 219-238	2	6
364	Analytic first integrals of the FitzHugh Nagumo systems. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2009 , 60, 237-245	1.6	6
363	Polynomial integrability of the Hamiltonian systems with homogeneous potential of degree \mathbb{A} . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 1845-1849	2.3	6
362	On the C^1 non-integrability of differential systems via periodic orbits. <i>European Journal of Applied Mathematics</i> , 2011 , 22, 381-391	1	6
361	On the Integrability of a MuthuswamyChua System. <i>Journal of Nonlinear Mathematical Physics</i> , 2012 , 19, 477	0.9	6
360	Liouvillian and Analytic First Integrals for the Brusselator System. <i>Journal of Nonlinear Mathematical Physics</i> , 2012 , 19, 247	0.9	6
359	Lyapunov functions for trichotomies with growth rates. <i>Journal of Differential Equations</i> , 2010 , 248, 151-183		6
358	Smooth robustness of parameterized perturbations of exponential dichotomies. <i>Journal of Differential Equations</i> , 2010 , 249, 2021-2043	2.1	6
357	Liouvillian integrability of the FitzHughNagumo systems. <i>Journal of Geometry and Physics</i> , 2010 , 60, 1974-1983	1.2	6
356	Darboux integrability of generalized YangMills Hamiltonian system. <i>Journal of Nonlinear Mathematical Physics</i> , 2016 , 23, 234	0.9	6
355	Lyapunov regularity via singular values. <i>Transactions of the American Mathematical Society</i> , 2017 , 369, 8409-8436	1	5

354	Invariant algebraic surfaces for a virus dynamics. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015 , 66, 1315-1328	1.6	5
353	The Co-circular Central Configurations of the (5)-Body Problem. <i>Journal of Dynamics and Differential Equations</i> , 2015 , 27, 55-67	1.3	5
352	The generalized LiĀard polynomial differential systems $x' = y, y' = -g(x)h(x)y$ with $\deg g = \deg h + 1$ are not Liouvillian integrable. <i>Bulletin Des Sciences Mathematiques</i> , 2015 , 139, 214-227	0.7	5
351	Integrability and zero-Hopf bifurcation in the Sprott A system. <i>Bulletin Des Sciences Mathematiques</i> , 2020 , 162, 102874	0.7	5
350	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
349	Transformations preserving the Lyapunov exponents. <i>Communications in Contemporary Mathematics</i> , 2018 , 20, 1750027	1.1	5
348	Hyperbolic Sequences of Linear Operators and Evolution Maps. <i>Milan Journal of Mathematics</i> , 2016 , 84, 203-216	1	5
347	Tempered exponential dichotomies and Lyapunov exponents for perturbations. <i>Communications in Contemporary Mathematics</i> , 2016 , 18, 1550058	1.1	5
346	Characterization of nonuniform exponential trichotomies for flows. <i>Journal of Mathematical Analysis and Applications</i> , 2016 , 434, 376-400	1.1	5
345	Topological entropy of irregular sets. <i>Revista Matematica Iberoamericana</i> , 2018 , 34, 853-878	1.2	5
344	Lyapunov functions for strong exponential dichotomies. <i>Journal of Mathematical Analysis and Applications</i> , 2013 , 399, 116-132	1.1	5
343	Nondegenerate centers for Abel polynomial differential equations of second kind. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 321, 469-477	2.4	5
342	Darboux integrability of 2-dimensional Hamiltonian systems with homogenous potentials of degree 3. <i>Journal of Mathematical Physics</i> , 2014 , 55, 033507	1.2	5
341	Noninvertible cocycles: Robustness of exponential dichotomies. <i>Discrete and Continuous Dynamical Systems</i> , 2012 , 32, 4111-4131	2	5
340	Rational integrability of a nonlinear finance system. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 141-146	9.3	5
339	Lyapunov functions for strong exponential contractions. <i>Journal of Differential Equations</i> , 2013 , 255, 449-468	2.1	5
338	Generalized Weierstrass Integrability of the Abel Differential Equations. <i>Mediterranean Journal of Mathematics</i> , 2013 , 10, 1749-1760	0.9	5
337	Darboux integrability of a nonlinear financial system. <i>Applied Mathematics and Computation</i> , 2011 , 218, 3297-3302	2.7	5

- 336 The Bianchi VIII model is neither global analytic nor Darboux integrable. *Journal of Mathematical Physics*, **2010**, 51, 092702 1.2 5
- 335 Robustness via Lyapunov functions. *Journal of Differential Equations*, **2009**, 246, 2891-2907 2.1 5
- 334 Center manifolds for infinite delay. *Journal of Differential Equations*, **2009**, 247, 1297-1310 2.1 5
- 333 Liouvillian first integrals of quadratic-linear polynomial differential systems. *Journal of Mathematical Analysis and Applications*, **2011**, 379, 188-199 1.1 5
- 332 Darbouxian integrals for generalized Raychaudhuri equations. *Journal of Mathematical Physics*, **2011**, 52, 032703 1.2 5
- 331 Lyapunov sequences for exponential trichotomies. *Nonlinear Analysis: Theory, Methods & Applications*, **2010**, 72, 192-203 1.3 5
- 330 The Boussinesq system: dynamics on the center manifold. *Communications on Pure and Applied Analysis*, **2005**, 4, 839-860 1.9 5
- 329 Higher regularity of invariant manifolds for nonautonomous equations. *Nonlinearity*, **2005**, 18, 2373-2390.7 5
- 328 On the dynamics of the Szekeres system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2019**, 383, 301-305 2.3 5
- 327 On the global dynamics of a finance model. *Chaos, Solitons and Fractals*, **2018**, 106, 1-4 9.3 5
- 326 Simultaneity of centres in Z -equivariant systems. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2018**, 474, 20170811 2.4 5
- 325 Center problem for trigonometric Liard systems. *Journal of Differential Equations*, **2017**, 263, 3928-3942.1 4
- 324 Complete characterization of algebraic traveling wave solutions for the Boussinesq, Klein-Gordon and Benjamin-Bona-Mahony equations. *Chaos, Solitons and Fractals*, **2017**, 95, 148-151 9.3 4
- 323 The Liouvillian Integrability of Several Oscillators. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950069 2 4
- 322 Characterization of strong exponential dichotomies. *Bulletin of the Brazilian Mathematical Society*, **2015**, 46, 81-103 1.2 4
- 321 Centers and isochronous centers for generalized quintic systems. *Journal of Computational and Applied Mathematics*, **2015**, 279, 173-186 2.4 4
- 320 Positive top Lyapunov exponent via invariant cones: Single trajectories. *Journal of Mathematical Analysis and Applications*, **2015**, 423, 480-496 1.1 4
- 319 Limit cycles bifurcating from a zeroHopf singularity in arbitrary dimension. *Nonlinear Dynamics*, **2018**, 92, 1159-1166 5 4

318	Liouvillian Integrability Versus Darboux Polynomials. <i>Qualitative Theory of Dynamical Systems</i> , 2016 , 15, 503-515	0.8	4
317	Irregular sets of two-sided Birkhoff averages and hyperbolic sets. <i>Arkiv for Matematik</i> , 2016 , 54, 13-30	0.2	4
316	Parameter Dependence of Stable Manifolds for Delay Equations with Polynomial Dichotomies. <i>Journal of Dynamics and Differential Equations</i> , 2012 , 24, 101-118	1.3	4
315	Dimension Theory of Hyperbolic Flows. <i>Springer Monographs in Mathematics</i> , 2013 ,	1.3	4
314	Relations between regularity coefficients. <i>Mathematische Nachrichten</i> , 2017 , 290, 672-686	0.8	4
313	Exponential dichotomies with respect to a sequence of norms and admissibility. <i>International Journal of Mathematics</i> , 2014 , 25, 1450024	0.5	4
312	ON THE NUMBER OF LIMIT CYCLES FOR A GENERALIZATION OF LIÉNARD POLYNOMIAL DIFFERENTIAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350048	2	4
311	Qualitative study of a charged restricted three-body problem. <i>Journal of Differential Equations</i> , 2013 , 255, 326-338	2.1	4
310	Parameter dependence of stable manifolds for difference equations. <i>Nonlinearity</i> , 2010 , 23, 341-367	1.7	4
309	ON THE ANISOTROPIC POTENTIALS OF MANEV-SCHWARZSCHILD TYPE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 1233-1243	2	4
308	Global Analytic First Integrals for the Simplified Multistrain/Two-Stream Model for Tuberculosis and Dengue Fever. <i>Journal of Nonlinear Mathematical Physics</i> , 2009 , 16, 505	0.9	4
307	A Grobman-Hartman theorem for general nonuniform exponential dichotomies. <i>Journal of Functional Analysis</i> , 2009 , 257, 1976-1993	1.4	4
306	The Michelson system is neither global analytic, nor Darboux integrable. <i>Physica D: Nonlinear Phenomena</i> , 2010 , 239, 414-419	3.3	4
305	Global analytic integrability of the Rabinovich system. <i>Journal of Geometry and Physics</i> , 2008 , 58, 1762-1771	4	4
304	Center manifolds for non-uniformly partially hyperbolic trajectories. <i>Ergodic Theory and Dynamical Systems</i> , 2006 , 26, 1707	0.9	4
303	Irregular sets for ratios of Birkhoff averages are residual. <i>Publicacions Matemàtiques</i> , 2014 , EXTRA, 49-62	4	4
302	Liouvillian first integrals for a class of generalized Liénard polynomial differential systems. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2016 , 146, 1195-1210	1	4
301	Center problem in the center manifold for quadratic differential systems in R^3 . <i>Journal of Symbolic Computation</i> , 2016 , 73, 250-267	0.8	4

- 300 Invariant algebraic surfaces and algebraic first integrals of the Maxwell-Bloch system. *Journal of Geometry and Physics*, **2019**, 146, 103516 1.2 4
- 299 The zero-Hopf bifurcations in the Kolmogorov systems of degree 3 in \mathbb{R}^3 . *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 95, 105621 3.7 4
- 298 Lyapunov coefficient of regularity and nonuniform hyperbolicity. *Linear and Multilinear Algebra*, **2016**, 64, 1124-1144 0.7 3
- 297 Lyapunov type characterization of hyperbolic behavior. *Journal of Differential Equations*, **2017**, 263, 3147-3173 3 3
- 296 The generalized polynomial Moon-Band system. *Nonlinear Analysis: Real World Applications*, **2018**, 39, 411-417 2.1 3
- 295 On the Darboux integrability of a cubic CRN model in \mathbb{R}^5 . *Chaos, Solitons and Fractals*, **2016**, 82, 131-138 9.3 3
- 294 Algebraic traveling waves for the generalized viscous Burgers equation. *Journal of Mathematical Analysis and Applications*, **2018**, 467, 768-783 1.1 3
- 293 Normal forms via nonuniform hyperbolicity. *Journal of Differential Equations*, **2019**, 266, 2175-2213 2.1 3
- 292 Liouvillian and analytic integrability of the quadratic vector fields having an invariant ellipse. *Acta Mathematica Sinica, English Series*, **2014**, 30, 453-466 0.6 3
- 291 On the analytic integrability of the cored galactic Hamiltonian. *Applied Mathematics Letters*, **2014**, 33, 35-39 3.5 3
- 290 Integrability of the Hide-Keldon-Acheson dynamo. *Bulletin Des Sciences Mathematiques*, **2014**, 138, 470-482 0.7 3
- 289 A Perron-type theorem for nonautonomous difference equations. *Nonlinearity*, **2013**, 26, 855-870 1.7 3
- 288 On the Darboux integrability of a three-dimensional forced-damped differential system. *Journal of Nonlinear Mathematical Physics*, **2017**, 24, 473 0.9 3
- 287 Liouvillian First Integrals for Generalized Riccati Polynomial Differential Systems. *Advanced Nonlinear Studies*, **2015**, 15, 951-961 1.2 3
- 286 Integrability and limit cycles of the Moon-Band system. *International Journal of Non-Linear Mechanics*, **2015**, 69, 129-136 2.8 3
- 285 Algebraic invariant curves and first integrals for Riccati polynomial differential systems. *Proceedings of the American Mathematical Society*, **2014**, 142, 3533-3543 0.8 3
- 284 Phase portraits of quadratic Lotka-Volterra systems with a Darboux invariant in the Poincaré disc. *Communications in Contemporary Mathematics*, **2014**, 16, 1350041 1.1 3
- 283 Centers for a class of generalized quintic polynomial differential systems. *Applied Mathematics and Computation*, **2014**, 242, 187-195 2.7 3

282	Qualitative analysis of the anisotropic two-body problem with generalized Lennard-Jones potential. <i>Journal of Mathematical Chemistry</i> , 2012 , 50, 2671-2688	2.1	3
281	On the polynomial integrability of Kirchoff's equations. <i>Physica D: Nonlinear Phenomena</i> , 2012 , 241, 1417-1420	3.5	3
280	Nonautonomous equations with arbitrary growth rates: A Perron-type theorem. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012 , 75, 6203-6215	1.3	3
279	Darboux integrability of a generalized Friedmann-Robertson-Walker Hamiltonian system. <i>Journal of Nonlinear Mathematical Physics</i> , 2013 , 20, 394	0.9	3
278	Dimension Spectra of Hyperbolic Flows. <i>Journal of Statistical Physics</i> , 2009 , 136, 505-525	1.5	3
277	Existence of nonuniform exponential dichotomies and a Fredholm alternative. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 5220-5228	1.3	3
276	Invariant algebraic surfaces for the reduced three-wave interaction system. <i>Journal of Mathematical Physics</i> , 2011 , 52, 122702	1.2	3
275	Analytic non-integrability of the Suslov problem. <i>Journal of Mathematical Physics</i> , 2012 , 53, 122901	1.2	3
274	Stability of delay equations via Lyapunov functions. <i>Journal of Mathematical Analysis and Applications</i> , 2010 , 365, 797-805	1.1	3
273	Optimal regularity of robustness for parameterized perturbations. <i>Bulletin Des Sciences Mathematiques</i> , 2010 , 134, 767-785	0.7	3
272	Conjugacies between linear and nonlinear non-uniform contractions. <i>Ergodic Theory and Dynamical Systems</i> , 2008 , 28, 1-19	0.9	3
271	Optimal estimates along stable manifolds of non-uniformly hyperbolic dynamics. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2008 , 138, 693-717	1	3
270	Analytic integrability of a Chua system. <i>Journal of Mathematical Physics</i> , 2008 , 49, 102701	1.2	3
269	Stability in Nonautonomous Dynamics: A Survey of Recent Results. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2007 , 1, 133	0.4	3
268	Evolution families and nonuniform spectrum. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2016 , 1-13	0.5	3
267	Characterization of stable manifolds for nonuniform exponential dichotomies. <i>Discrete and Continuous Dynamical Systems</i> , 2008 , 21, 1025-1046	2	3
266	Quadratic Lyapunov sequences and arbitrary growth rates. <i>Discrete and Continuous Dynamical Systems</i> , 2010 , 26, 63-74	2	3
265	Rational limit cycles on Bernoulli and Riccati equations. <i>Journal of Geometry and Physics</i> , 2020 , 155, 103705	0.5	3

- 264 Hyperbolicity via admissibility in delay equations. *Indiana University Mathematics Journal*, **2020**, 69, 1155-1179 3
- 263 The 16th Hilbert problem for discontinuous piecewise isochronous centers of degree one or two separated by a straight line. *Chaos*, **2021**, 31, 043112 3.3 3
- 262 Periodic solutions of linear, Riccati, and Abel dynamic equations. *Journal of Mathematical Analysis and Applications*, **2019**, 470, 733-749 1.1 3
- 261 Nonlinear oscillations in the modified Leslie-Gower model. *Nonlinear Analysis: Real World Applications*, **2020**, 51, 103010 2.1 3
- 260 The Euler-Jacobi formula and the planar quadratic-quartic polynomial differential systems. *Proceedings of the American Mathematical Society*, **2021**, 149, 135-141 0.8 3
- 259 Stable invariant manifolds for delay equations with piecewise constant argument. *Journal of Difference Equations and Applications*, **2018**, 24, 148-163 1 3
- 258 Global Phase Portraits for the Abel Quadratic Polynomial Differential Equations of the Second Kind With Z2-symmetries. *Canadian Mathematical Bulletin*, **2018**, 61, 149-165 0.6 3
- 257 Strong nonuniform spectrum for arbitrary growth rates. *Communications in Contemporary Mathematics*, **2017**, 19, 1650008 1.1 2
- 256 Integrability conditions for complex kurles systems. *Dynamical Systems*, **2017**, 32, 211-220 0.6 2
- 255 Periodic orbits of the planar anisotropic generalized Kepler problem. *Journal of Mathematical Physics*, **2019**, 60, 042901 1.2 2
- 254 First integrals of Darboux type for a family of 3-dimensional Lotka-Volterra systems. *Bulletin Des Sciences Mathematiques*, **2015**, 139, 473-494 0.7 2
- 253 Analytic integrability of Hamiltonian systems with exceptional potentials. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 2295-2299 2.3 2
- 252 On the quasi-periodic solutions of generalized Kaup systems. *Discrete and Continuous Dynamical Systems*, **2015**, 35, 467-482 2 2
- 251 Perturbations of delay equations. *Journal of Differential Equations*, **2020**, 269, 7015-7041 2.1 2
- 250 On the global dynamics of a three-dimensional forced-damped differential system. *Journal of Nonlinear Mathematical Physics*, **2020**, 27, 414 0.9 2
- 249 Polynomial Solutions of Equivariant Polynomial Abel Differential Equations. *Advanced Nonlinear Studies*, **2018**, 18, 537-542 1.2 2
- 248 Algebraic travelling waves for the generalized Burgers-Fisher equation. *Quaestiones Mathematicae*, **2018**, 41, 903-916 0.6 2
- 247 On the integrability of Hamiltonian systems with d degrees of freedom and homogenous polynomial potential of degree n. *Communications in Contemporary Mathematics*, **2018**, 20, 1750045 1.1 2

246	Robustness for Stable Impulsive Equations via Quadratic Lyapunov Functions. <i>Milan Journal of Mathematics</i> , 2016 , 84, 63-89	1	2
245	Characterization of Nonuniform Contractions and Expansions with Growth Rates. <i>Mediterranean Journal of Mathematics</i> , 2016 , 13, 4265-4279	0.9	2
244	Analytic integrability of cubic-linear planar polynomial differential systems. <i>Journal of Differential Equations</i> , 2016 , 260, 1690-1716	2.1	2
243	General exponential dichotomies: from finite to infinite time. <i>Advances in Operator Theory</i> , 2019 , 4, 215-226	2.5	2
242	Conjugacies and invariant manifolds via evolution semigroups. <i>Quaestiones Mathematicae</i> , 2019 , 42, 217-241	2.4	2
241	Robustness of a Weaker Notion of Exponential Dichotomy. <i>Integral Equations and Operator Theory</i> , 2014 , 79, 337-354	0.5	2
240	On the Darboux integrability of Blasius and Falkner-Bkan equation. <i>Computers and Fluids</i> , 2013 , 86, 71-76	2.8	2
239	Local analytic first integrals of planar analytic differential systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 1065-1069	2.3	2
238	On the polynomial integrability of the Hoyer systems. <i>Journal of Mathematical Analysis and Applications</i> , 2013 , 399, 411-417	1.1	2
237	Nonuniform Spectrum on the Half Line and Perturbations. <i>Results in Mathematics</i> , 2017 , 72, 125-143	0.9	2
236	On the uniqueness of algebraic limit cycles for quadratic polynomial differential systems with two pairs of equilibrium points at infinity. <i>Geometriae Dedicata</i> , 2017 , 191, 37-52	0.5	2
235	Proper rational and analytic first integrals for asymmetric 3-dimensional Lotka-Volterra systems. <i>Journal of Nonlinear Mathematical Physics</i> , 2017 , 24, 393	0.9	2
234	Stability of the Lyapunov exponents under perturbations. <i>Annals of Functional Analysis</i> , 2017 , 8, 398-410	0.8	2
233	Robustness of noninvertible dichotomies. <i>Journal of the Mathematical Society of Japan</i> , 2015 , 67,	1.1	2
232	Admissibility for exponential dichotomies in average. <i>Stochastics and Dynamics</i> , 2015 , 15, 1550014	0.8	2
231	Robustness of dichotomies and trichotomies for difference equations. <i>Portugaliae Mathematica</i> , 2014 , 71, 277-300	0.4	2
230	On the Darboux integrability of the Painlevé equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2014 , 22, 60	0.9	2
229	Stable manifolds for delay equations and parameter dependence. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012 , 75, 5824-5835	1.3	2

228	Nonautonomous difference equations and a Perron-type theorem. <i>Bulletin Des Sciences Mathematiques</i> , 2012 , 136, 277-290	0.7	2
227	On the nonintegrability of magnetic field lines. <i>Physica D: Nonlinear Phenomena</i> , 2013 , 251, 60-62	3.3	2
226	Center manifolds for impulsive equations under nonuniform hyperbolicity. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011 , 74, 1616-1627	1.3	2
225	Analytic first integrals for generalized Raychaudhuri equations. <i>Journal of Mathematical Physics</i> , 2011 , 52, 103502	1.2	2
224	A note on the first integrals of the ABC system. <i>Journal of Mathematical Physics</i> , 2012 , 53, 023505	1.2	2
223	Center manifolds for difference equations—smooth parameter dependence. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010 , 73, 725-749	1.3	2
222	Nonintegrability of a class of the Bianchi V I0 and V II0 models. <i>Journal of Geometry and Physics</i> , 2010 , 60, 815-822	1.2	2
221	Stability of dichotomies in difference equations with infinite delay. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010 , 72, 881-893	1.3	2
220	Smooth stable invariant manifolds and arbitrary growth rates. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010 , 72, 2444-2456	1.3	2
219	Integral stable manifolds in Banach spaces. <i>Journal of the London Mathematical Society</i> , 2008 , 77, 443-464.7	4.7	2
218	Integrability of a SIS model. <i>Journal of Mathematical Analysis and Applications</i> , 2008 , 344, 574-578	1.1	2
217	Regularity of Invariant Manifolds for Nonuniformly Hyperbolic Dynamics. <i>Journal of Dynamics and Differential Equations</i> , 2008 , 20, 281-299	1.3	2
216	Analytic first integrals of the Halphen system. <i>Journal of Geometry and Physics</i> , 2006 , 56, 1192-1197	1.2	2
215	On the non-integrability of a generalized Darboux Halphen system. <i>Journal of Geometry and Physics</i> , 2006 , 57, 89-100	1.2	2
214	Hölder conjugacies for random dynamical systems. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 223, 256-269	3.3	2
213	The global flow of the quasihomogeneous potentials of Manev-Schwarzschild type. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 157, 16-39	3.3	2
212	Centers for polynomial vector fields of arbitrary degree. <i>Communications on Pure and Applied Analysis</i> , 2009 , 8, 725-742	1.9	2
211	The three-dimensional center problem for the zero-Hopf singularity. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 36, 2027-2046	2	2

210	Nonuniform hyperbolicity and one-sided admissibility. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2016 , 27, 235-247	0.7	2
209	Periodic solutions and invariant torus in the Rössler system. <i>Nonlinearity</i> , 2020 , 33, 4512-4539	1.7	2
208	On the global dynamics and integrability of the Chemostat system. <i>Nonlinear Analysis: Real World Applications</i> , 2020 , 53, 103051	2.1	2
207	Highest weak focus order for trigonometric Liñard equations. <i>Annali Di Matematica Pura Ed Applicata</i> , 2020 , 199, 1673-1684	0.8	2
206	NONUNIFORM EXPONENTIAL BEHAVIOR VIA EVOLUTION SEMIGROUPS. <i>Mathematika</i> , 2020 , 66, 15-38	0.6	2
205	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
204	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
203	Integrability conditions of a weak saddle in generalized Liñard-like complex polynomial differential systems. <i>Journal of Nonlinear Mathematical Physics</i> , 2020 , 27, 664-678	0.9	2
202	Centers of weight-homogeneous polynomial vector fields on the plane. <i>Proceedings of the American Mathematical Society</i> , 2016 , 145, 2539-2555	0.8	2
201	Liouvilian integrability of some quadratic Liñard polynomial differential systems. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2019 , 68, 499-519	0.5	2
200	Robustness of Hyperbolicity in Delay Equations. <i>Journal of Dynamics and Differential Equations</i> , 2020 , 32, 1-22	1.3	2
199	Rational limit cycles of Abel equations. <i>Communications on Pure and Applied Analysis</i> , 2021 , 20, 1077	1.9	2
198	Phase portraits for some symmetric Riccati cubic polynomial differential equations. <i>Topology and Its Applications</i> , 2018 , 234, 220-237	0.4	2
197	Invariant Algebraic Surfaces and Hopf Bifurcation of a Finance Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850150	2	2
196	Algebraic Limit Cycles on Quadratic Polynomial Differential Systems. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2018 , 61, 499-512	0.7	2
195	Dynamics of the Szekeres system. <i>Journal of Mathematical Physics</i> , 2021 , 62, 082502	1.2	2
194	Limit cycles for a variant of a generalized Riccati equation. <i>Applied Mathematics Letters</i> , 2017 , 68, 76-79	3.5	1
193	Nonuniform exponential dichotomies and Fredholm operators for flows. <i>Aequationes Mathematicae</i> , 2017 , 91, 301-316	0.7	1

192	Algebraic traveling waves for some family of reaction-diffusion equations including the Nagumo equations. <i>Nonlinear Differential Equations and Applications</i> , 2017 , 24, 1	0.8	1
191	On the Bifurcation of Limit Cycles Due to Polynomial Perturbations of Hamiltonian Centers. <i>Mediterranean Journal of Mathematics</i> , 2017 , 14, 1	0.9	1
190	On the Dynamics of a Model with Coexistence of Three Attractors: A Point, a Periodic Orbit and a Strange Attractor. <i>Mathematical Physics Analysis and Geometry</i> , 2017 , 20, 1	0.8	1
189	Darboux polynomials, balances and Painlevé property. <i>Regular and Chaotic Dynamics</i> , 2017 , 22, 543-550	1.6	1
188	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
187	New Symmetric Periodic Solutions for the Maxwell-Bloch Differential System. <i>Mathematical Physics Analysis and Geometry</i> , 2019 , 22, 1	0.8	1
186	Hopf bifurcation of a generalized Moon-Band system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 1070-1077	3.7	1
185	Global dynamics of a Lotka-Volterra system in R^3 . <i>Journal of Nonlinear Mathematical Physics</i> , 2020 , 27, 509	0.9	1
184	Small-Amplitude Limit Cycles of Certain Planar Differential Systems. <i>Qualitative Theory of Dynamical Systems</i> , 2020 , 19, 1	0.8	1
183	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
182	Classification of Invariant Algebraic Curves and Nonexistence of Algebraic Limit Cycles in Quadratic Systems from Family (I) of the Chinese Classification. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050056	2	1
181	Phase portraits of Abel quadratic differential systems of the second kind. <i>Dynamical Systems</i> , 2018 , 33, 581-601	0.6	1
180	Global Phase Portraits of Quadratic Systems with a Complex Ellipse as Invariant Algebraic Curve. <i>Acta Mathematica Sinica, English Series</i> , 2018 , 34, 801-811	0.6	1
179	Spectral theory for invertible cocycles under nonuniform hyperbolicity. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2018 , 12, 6-17	0.4	1
178	On two notions of exponential dichotomy. <i>Dynamical Systems</i> , 2018 , 33, 708-721	0.6	1
177	Stable manifolds for perturbations of exponential dichotomies in mean. <i>Stochastics and Dynamics</i> , 2018 , 18, 1850022	0.8	1
176	The Cubic Polynomial Differential Systems with two Circles as Algebraic Limit Cycles. <i>Advanced Nonlinear Studies</i> , 2018 , 18, 183-193	1.2	1
175	Chaotic Behavior of a Generalized Sprott E Differential System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650083	2	1

174	Nonuniform exponential stability and admissibility. <i>Linear and Multilinear Algebra</i> , 2016 , 64, 440-465	0.7	1
173	Fredholm operators and nonuniform exponential dichotomies. <i>Chaos, Solitons and Fractals</i> , 2016 , 85, 120-127	9.3	1
172	Global dynamical aspects of a generalized Chen-Wang differential system. <i>Nonlinear Dynamics</i> , 2016 , 84, 1497-1516	5	1
171	Integrability Conditions for Complex Homogeneous Kukles Systems. <i>Journal of Nonlinear Mathematical Physics</i> , 2018 , 25, 387	0.9	1
170	Global dynamics of the integrable Armbruster-Guckenheimer-Kim galactic potential. <i>Astrophysics and Space Science</i> , 2019 , 364, 1	1.6	1
169	Integrability of reversible and equivariant quadratic polynomial differential systems in the plane. <i>Rocky Mountain Journal of Mathematics</i> , 2019 , 49,	1.4	1
168	A Perron-type theorem for nonautonomous delay equations. <i>Open Mathematics</i> , 2013 , 11,	0.8	1
167	Stable Manifolds and Nonuniform Hyperbolicity: Optimal Estimates. <i>Mediterranean Journal of Mathematics</i> , 2013 , 10, 1369-1389	0.9	1
166	Generalized Weierstrass integrability for the complex differential equations $dy/dx = a(x)y^4 + b(x)y^3 + c(x)y^2 + d(x)y + e(x)$. <i>Applied Mathematics Letters</i> , 2013 , 26, 836-841	3.5	1
165	Nonuniform exponential dichotomies and Lyapunov functions. <i>Regular and Chaotic Dynamics</i> , 2017 , 22, 197-209	1.6	1
164	Conservation Laws in Biochemical Reaction Networks. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017 , 16, 2213-2232	2.8	1
163	Robustness of exponential dichotomies in mean. <i>Stochastic Processes and Their Applications</i> , 2014 , 124, 4244-4265	1.1	1
162	Limit cycles from a four-dimensional centre in \mathbb{R}^m in resonance $p : q$. <i>Dynamical Systems</i> , 2012 , 27, 459-476	4.6	1
161	Lyapunov functions versus exponential contractions. <i>Mathematische Zeitschrift</i> , 2011 , 268, 187-196	0.7	1
160	Center manifolds under nonuniform hyperbolicity Γ -maximal regularity. <i>Journal of Mathematical Analysis and Applications</i> , 2011 , 380, 33-45	1.1	1
159	Stability of some solutions for elliptic equations on a cylindrical domain. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2009 , 465, 2647-2662	2.4	1
158	Stability of some waves in the dissipative Boussinesq system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 6084-6092	1.3	1
157	Integrability of a nuclear spin generator. <i>Bulletin Des Sciences Mathematiques</i> , 2011 , 135, 435-441	0.7	1

156	Stable manifolds with optimal regularity for difference equations. <i>Discrete and Continuous Dynamical Systems</i> , 2012 , 32, 1537-1555	2	1
155	Analytical integrability of the Rikitake system. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2010 , 61, 627-634	1.6	1
154	Dependence of Topological Conjugacies on Parameters. <i>Journal of Dynamics and Differential Equations</i> , 2010 , 22, 787-803	1.3	1
153	Asymptotic behavior of distribution of frequencies of digits. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2008 , 145, 177-195	0.7	1
152	On the Global Analytic Integrability of the Belousov-Zhabotinskii System. <i>Advanced Nonlinear Studies</i> , 2008 , 8, 871-882	1.2	1
151	Approximation of ill-posed boussinesq equations. <i>Dynamical Systems</i> , 2004 , 19, 345-357	0.6	1
150	Global dynamics for the Szekeres system with non-zero cosmological constant. <i>Physics of the Dark Universe</i> , 2022 , 35, 100954	4.4	1
149	Tempered exponential behavior for a dynamics in upper triangular form. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2018 , 1-22	0.5	1
148	A weight-homogenous condition to the real Jacobian conjecture in. <i>Proceedings of the Edinburgh Mathematical Society</i> , 1-9	0.7	1
147	Regularity of center manifolds under nonuniform hyperbolicity. <i>Discrete and Continuous Dynamical Systems</i> , 2011 , 30, 55-76	2	1
146	Analytic integrability of a class of planar polynomial differential systems. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015 , 20, 2657-2661	1.3	1
145	Weierstrass Integrability of Complex Differential Equations. <i>Acta Mathematica Sinica, English Series</i> , 2021 , 37, 1497-1506	0.6	1
144	CENTERS FOR THE KUKLES HOMOGENEOUS SYSTEMS WITH EVEN DEGREE. <i>Journal of Applied Analysis and Computation</i> , 2017 , 7, 1534-1548	0.4	1
143	Admissibility versus nonuniform exponential behavior for noninvertible cocycles. <i>Discrete and Continuous Dynamical Systems</i> , 2013 , 33, 1297-1311	2	1
142	Equivalent notions of hyperbolicity. <i>Dynamical Systems</i> , 2020 , 35, 336-360	0.6	1
141	Centers of planar generalized Abel equations. <i>Journal of Differential Equations</i> , 2020 , 268, 6481-6487	2.1	1
140	Global Phase Portraits for a Planar Z_2 -Equivariant Kukles Systems of Degree 3. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050164	2	1
139	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

138	On the integrability of the 5-dimensional Lorenz system for the gravity-wave activity. <i>Proceedings of the American Mathematical Society</i> , 2016 , 145, 665-679	0.8	1
137	A version of a theorem of Pliss for non-uniform and non-invertible dichotomies. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2016 , 147, 225-243	1	1
136	Spectrum for compact operators on Banach spaces. <i>Journal of the Mathematical Society of Japan</i> , 2019 , 71,	1.1	1
135	On a conjecture on the integrability of Liard systems. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 69, 209-216	0.5	1
134	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
133	Geometry, integrability and bifurcation diagrams of a family of quadratic differential systems as application of the Darboux theory of integrability. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021 , 1-90	0.5	1
132	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
131	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
130	Smooth linearization under nonuniform hyperbolicity. <i>Revista Matematica Iberoamericana</i> , 2021 , 37, 1803-1860	1.1	1
129	Puiseux Integrability of Differential Equations. <i>Qualitative Theory of Dynamical Systems</i> , 2022 , 21, 1	0.8	1
128	Hyperbolicity via Evolution Semigroups on (L^p) . <i>Qualitative Theory of Dynamical Systems</i> , 2019 , 18, 887-908	0.8	0
127	One-Sided Hyperbolicity via Evolution Maps. <i>Results in Mathematics</i> , 2020 , 75, 1	0.9	0
126	On the Darboux integrability of the Hindmarsh-Rose burster. <i>Acta Mathematica Sinica, English Series</i> , 2018 , 34, 947-958	0.6	0
125	On the . <i>Computers and Mathematics With Applications</i> , 2011 , 62, 2342-2348	2.7	0
124	Admissibility via Evolution Semigroups. <i>Journal of Dynamics and Differential Equations</i> , 1	1.3	0
123	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
122	Hamiltonian nilpotent saddles of linear plus cubic homogeneous polynomial vector fields. <i>Nonlinear Analysis: Real World Applications</i> , 2022 , 64, 103451	2.1	0
121	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

120	Stable manifolds for difference equations with infinite delay. <i>Journal of Difference Equations and Applications</i> , 2020 , 26, 1266-1287	1	0
119	Global Phase Portraits for the Kukles Systems of Degree 3 with Z2-Reversible Symmetries. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150083	2	0
118	Normal Forms for Equivariant Differential Equations. <i>Journal of Dynamics and Differential Equations</i> , 2019 , 1, 1-13	1.3	0
117	Polynomial integrability of Hamiltonian systems with homogeneous potentials of degree k . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 3876-3880	2.3	0
116	On Centered Co-circular Central Configurations of the n-Body Problem. <i>Journal of Dynamics and Differential Equations</i> , 2019 , 31, 2053-2060	1.3	0
115	Global qualitative dynamics of the Brusselator system. <i>Mathematics and Computers in Simulation</i> , 2020 , 170, 107-114	3.3	0
114	Regularity and Stability Sets for Families of Sequences of Matrices. <i>Journal of Dynamics and Differential Equations</i> , 2020 , 32, 1603-1630	1.3	0
113	Simultaneity of centres in double-reversible planar differential systems. <i>Dynamical Systems</i> , 2021 , 36, 167-180	0.6	0
112	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
111	Phase Portraits of Uniform Isochronous Centers with Homogeneous Nonlinearities. <i>Journal of Dynamical and Control Systems</i> , 2021 , 1, 1-11	1.1	0
110	Rational limit cycles on generalized Bernoulli polynomial equations. <i>Journal of Mathematical Physics</i> , 2021 , 62, 033501	1.2	0
109	Phase portraits of the complex Abel polynomial differential systems. <i>Chaos, Solitons and Fractals</i> , 2021 , 148, 111050	9.3	0
108	Polynomial differential systems with even degree have no global centers. <i>Journal of Mathematical Analysis and Applications</i> , 2021 , 503, 125281	1.1	0
107	Evolution maps and symmetry. <i>Journal of Difference Equations and Applications</i> , 2022 , 28, 355-384	1	0
106	The improved Euler-Jacobi formula and the planar cubic polynomial vector fields in \mathbb{R}^2 . <i>Dynamical Systems</i> , 2021 , 36, 1-0	0.6	0
105	Global centers of the generalized polynomial Liñard differential systems. <i>Journal of Differential Equations</i> , 2022 , 330, 66-80	2.1	0
104	On the robustness of nonuniform exponential trichotomies. <i>Bulletin Des Sciences Mathematiques</i> , 2016 , 140, 82-91	0.7	0
103	Nonuniform Stability of Arbitrary Difference Equations. <i>Results in Mathematics</i> , 2017 , 71, 333-346	0.9	0

102	NON-UNIFORM TRICHOTOMIES AND ARBITRARY GROWTH RATES. <i>Mathematika</i> , 2017 , 63, 518-537	0.6
101	On the Darboux integrability of the logarithmic galactic potentials. <i>Journal of Geometry and Physics</i> , 2017 , 121, 279-287	1.2
100	Phase portraits of Abel quadratic differential systems of second kind with symmetries. <i>Dynamical Systems</i> , 2019 , 34, 301-333	0.6
99	Algebraic approach to the classification of centers in trigonometric Cherkas systems. <i>Proceedings of the American Mathematical Society</i> , 2019 , 147, 2863-2875	0.8
98	Admissibility and nonuniform exponential trichotomies. <i>Regular and Chaotic Dynamics</i> , 2015 , 20, 49-62	1.6
97	Stability of L 1 contractions \square <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2015 , 159, 23-46	0.7
96	On the integrability of a three-dimensional cored galactic Hamiltonian. <i>Applied Mathematics Letters</i> , 2015 , 41, 23-27	3.5
95	Center manifolds for nonautonomous dynamics via evolution semigroups. <i>Journal of Fixed Point Theory and Applications</i> , 2020 , 22, 1	1.4
94	A generalization of the Poincaré compactification for weight-homogeneous polynomials with weight degree (1, $\mathbb{1}$) <i>Topology and Its Applications</i> , 2020 , 279, 107229	0.4
93	Global dynamics of the Maxwell-Bloch system with invariant algebraic surfaces. <i>Dynamical Systems</i> , 2020 , 35, 668-681	0.6
92	Evolution maps and center manifolds. <i>Aequationes Mathematicae</i> , 2020 , 94, 1213-1239	0.7
91	Global Phase Portraits of Z_2 -Symmetric Planar Polynomial Hamiltonian Systems of Degree Three with a Nilpotent Saddle at the Origin. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050006	2
90	Admissibility in the Strong and Weak Senses. <i>Qualitative Theory of Dynamical Systems</i> , 2020 , 19, 1	0.8
89	On the Liouville integrability of Edelstein's reaction system in \mathbb{R}^3 . <i>Chaos, Solitons and Fractals</i> , 2018 , 108, 129-135	9.3
88	Zero-Hopf Polynomial Centers of Third-Order Differential Equations. <i>Journal of Dynamics and Differential Equations</i> , 2018 , 30, 557-578	1.3
87	On the Complete Integrability of the Raychaudhuri Differential System in (\mathbb{R}^4) and of a CRNT Model in (\mathbb{R}^5) . <i>Qualitative Theory of Dynamical Systems</i> , 2018 , 17, 291-307	0.8
86	LOWER BOUNDS ALONG STABLE MANIFOLDS. <i>Glasgow Mathematical Journal</i> , 2018 , 60, 527-537	0.4
85	Reduction of a dynamics and separated angles. <i>Dynamical Systems</i> , 2016 , 31, 329-346	0.6

- 84 Global C-integrability of quartic-linear polynomial differential systems. *Dynamical Systems*, **2019**, 34, 1-13 0.6
- 83 On the local analytic integrability for a generalized damped nonlinear oscillator equation. *Journal of Mathematical Physics*, **2014**, 55, 062901 1.2
- 82 Nonuniform Dichotomies via Lyapunov Functions. *Milan Journal of Mathematics*, **2014**, 82, 243-271 1
- 81 Center manifolds and optimal estimates. *Annali Di Matematica Pura Ed Applicata*, **2014**, 193, 457-472 0.8
- 80 Exponential behavior in Banach spaces: robustness of trichotomies in discrete time. *Periodica Mathematica Hungarica*, **2014**, 68, 207-221 0.4
- 79 Qualitative analysis of the anisotropic two-body problem under Seeliger's potential. *Bulletin Des Sciences Mathematiques*, **2014**, 138, 742-755 0.7
- 78 Conjugacies between general contractions. *Linear Algebra and Its Applications*, **2012**, 436, 3087-3098 0.9
- 77 Liouvillian Integrability of a Modified Michaelis-Menten Equation. *Journal of Nonlinear Mathematical Physics*, **2013**, 20, 1 0.9
- 76 On the number of invariant conics for the polynomial vector fields defined on quadrics. *Bulletin Des Sciences Mathematiques*, **2013**, 137, 746-774 0.7
- 75 One-sided dichotomies versus two-sided dichotomies: arbitrary growth rates. *Quaestiones Mathematicae*, **2017**, 40, 381-390 0.6
- 74 Robustness of exponential behavior in Banach spaces. *Periodica Mathematica Hungarica*, **2017**, 75, 80-95 0.4
- 73 Characterizations of Regularity **2017**, 137-165
- 72 Exponential behavior in mean for cocycles. *Stochastics and Dynamics*, **2015**, 15, 1550029 0.8
- 71 PARAMETER DEPENDENCE OF STABLE MANIFOLDS FOR IMPULSIVE EQUATIONS. *Analysis and Applications*, **2014**, 12, 131-160 2.5
- 70 Non-zero Lyapunov exponents and Lyapunov's coefficient of regularity for flows. *Dynamical Systems*, **2014**, 29, 482-501 0.6
- 69 Nonintegrability of a Halphen system. *Theoretical and Mathematical Physics(Russian Federation)*, **2014**, 181, 1383-1395 0.7
- 68 Weierstrass integrability for a class of differential systems. *Journal of Nonlinear Mathematical Physics*, **2014**, 21, 294 0.9
- 67 A note on the Stefanescu conjecture. *Annali Di Matematica Pura Ed Applicata*, **2014**, 193, 1249-1254 0.8

- 66 Frequencies of digits under trigonometric perturbations. *Monatshefte Fur Mathematik*, **2012**, 167, 357-374
- 65 Liouvilian and analytic integrability in a modified Philips model. *Chaos, Solitons and Fractals*, **2012**, 45, 1573-1578 9.3
- 64 PERIODIC ORBITS NEAR EQUILIBRIA VIA AVERAGING THEORY OF SECOND ORDER. *Mathematical Modelling and Analysis*, **2012**, 17, 715-731 1.3
- 63 First integrals for a charged particle moving on a plane under the action of a magnetic field orthogonal to this plane. *International Journal of Non-Linear Mechanics*, **2012**, 47, 965-967 2.8
- 62 Analytic integrability of a modified Michaelis-Menten equation. *Journal of Dynamical and Control Systems*, **2012**, 18, 297-307 1.1
- 61 Integrability in nonlinear biomathematical models. *Journal of Geometry and Physics*, **2013**, 66, 50-70 1.2
- 60 Topological conjugacies and behavior at infinity. *Communications on Pure and Applied Analysis*, **2013**, 13, 687-701 1.9
- 59 Qualitative analysis of the anisotropic two-body problem with relativistic potential. *Journal of Mathematical Physics*, **2013**, 54, 062701 1.2
- 58 On the exponential behaviour of non-autonomous difference equations. *Proceedings of the Edinburgh Mathematical Society*, **2013**, 56, 643-656 0.7
- 57 LIOUVILLIAN INTEGRABILITY OF A DETERMINISTIC BUSINESS CYCLE MODEL. *Analysis and Applications*, **2013**, 11, 1350032 2.5
- 56 Smooth Dependence of Topological Conjugacies on Parameters. *Advanced Nonlinear Studies*, **2011**, 11, 429-441 1.2
- 55 Reversibility of Conjugacies for Nonautonomous Equations. *Integral Equations and Operator Theory*, **2011**, 71, 303-310 0.5
- 54 Center manifolds depending on a parameter. *Nonlinear Analysis: Theory, Methods & Applications*, **2011**, 74, 4974-4988 1.3
- 53 Centre manifold variety for eight-parameter families of polynomial vector fields of arbitrary degree. *Proceedings of the Edinburgh Mathematical Society*, **2010**, 53, 511-530 0.7
- 52 On a degenerate Hopf bifurcation. *Journal of Physics A: Mathematical and Theoretical*, **2010**, 43, 285201 2
- 51 Conjugacies for impulsive equations. *Proceedings of the Edinburgh Mathematical Society*, **2012**, 55, 65-78 0.7
- 50 Hausdorff Dimension and Nonlinear Relations Between Frequencies of Digits. *Open Systems and Information Dynamics*, **2012**, 19, 1250018 0.4
- 49 Darboux Integrability of a Simplified Friedman-Robertson-Walker Hamiltonian System. *Journal of Nonlinear Mathematical Physics*, **2012**, 19, 607 0.9

- 48 Nonuniform Stability of Difference Equations with Infinite Delay. *Advanced Nonlinear Studies*, **2010**, 10, 121-129 1.2
- 47 On the Integrability of a Tritrophic Food Chain Model. *Advanced Nonlinear Studies*, **2010**, 10, 331-355 1.2
- 46 Stability Theory of General Contractions for Delay Equations. *Integral Equations and Operator Theory*, **2010**, 68, 413-426 0.5
- 45 Polynomial contractions and Lyapunov regularity. *Nonlinear Analysis: Theory, Methods & Applications*, **2010**, 73, 202-210 1.3
- 44 New arbitrary-parameter families of centres for polynomial vector fields of arbitrary degree. *Dynamical Systems*, **2008**, 23, 163-166 0.6
- 43 Existence of quasiperiodic solutions for the second-order approximation Boussinesq system. *Nonlinear Analysis: Theory, Methods & Applications*, **2008**, 69, 3734-3748 1.3
- 42 Analytic invariant manifolds for sequences of diffeomorphisms. *Journal of Differential Equations*, **2008**, 245, 80-101 2.1
- 41 Centers for a 6-parameter family of polynomial vector fields of arbitrary degree. *Bulletin Des Sciences Mathematiques*, **2008**, 132, 40-53 0.7
- 40 Bifurcation of limit cycles and integrability conditions for 6-parameter families of polynomial vector fields of arbitrary degree. *Nonlinear Analysis: Theory, Methods & Applications*, **2008**, 69, 256-275 1.3
- 39 Regularity of Normal Forms on Parameters. *Milan Journal of Mathematics*, 1 1
- 38 Global Dynamics of a System Coming from the Study of a Static Star. *Differential Equations and Dynamical Systems*, 1 0.8
- 37 Evolution Maps and Admissibility. *Mediterranean Journal of Mathematics*, **2022**, 19, 1 0.9
- 36 The Markus-Yamabe Conjecture for Discontinuous Piecewise Linear Differential Systems in \mathbb{R}^n Separated by a Conic $\times \mathbb{R}^{n-2}$. *Journal of Dynamics and Differential Equations*, 1 1.3
- 35 New regularity coefficients. *Electronic Journal of Qualitative Theory of Differential Equations*, **2022**, 1-25 0.5
- 34 Limit cycles of piecewise differential systems with linear Hamiltonian saddles and linear centers. *Dynamical Systems*, 1-0 0.6
- 33 ANALYTIC INTEGRABILITY AROUND THE ORIGIN OF CERTAIN DIFFERENTIAL SYSTEM. *Journal of Applied Analysis and Computation*, **2020**, 0-0 0.4
- 32 Dimension spectra for flows: Future and past. *Nonlinear Analysis: Real World Applications*, **2022**, 65, 103497 1
- 31 Lyapunov regularity and triangularization for unbounded sequences. *Electronic Journal of Qualitative Theory of Differential Equations*, **2019**, 1-31 0.5

30	Nilpotent saddles of linear plus cubic homogeneous polynomial reversible vector fields. <i>Bulletin Des Sciences Mathematiques</i> , 2020 , 162, 102873	0.7
29	Algebraic traveling waves for the modified Korteweg-Burgers equation. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2020 , 1-16	0.5
28	On the analytic integrability of the Liard analytic differential systems. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015 , 21, 557-573	1.3
27	Strong and weak admissibility of spaces. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2017 , 1-22	0.5
26	Linear Differential Equations 2017 , 71-88	
25	Lyapunov Functions and Cones 2017 , 223-236	
24	Generalized exponential behavior and topological equivalence. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017 , 22, 3023-3042	1.3
23	Dimension Spectra. <i>Springer Monographs in Mathematics</i> , 2013 , 139-149	1.3
22	Stability of nonautonomous equations and Lyapunov functions. <i>Discrete and Continuous Dynamical Systems</i> , 2013 , 33, 2631-2650	2
21	Integrable Weak Saddles for Trigonometric Liard Systems. <i>Journal of Dynamical and Control Systems</i> , 2020 , 26, 551-556	1.1
20	SPECTRA OF DELAY EQUATIONS. <i>Mathematika</i> , 2020 , 66, 900-919	0.6
19	Integrability Conditions of a Weak Saddle in a Complex Polynomial Differential System. <i>Journal of Dynamical and Control Systems</i> , 2020 , 1	1.1
18	Regularity Coefficients for Impulsive Differential Equations. <i>Quarterly Journal of Mathematics</i> , 2020 , 71, 1535-1556	0.4
17	Reducibility sets for sequences of matrices. <i>Quaestiones Mathematicae</i> , 2020 , 1-15	0.6
16	Anisotropic two-body problem under the Buckingham potential. <i>Journal of Mathematical Chemistry</i> , 2021 , 59, 1368-1377	2.1
15	Twin Polynomial Vector Fields of Arbitrary Degree. <i>Bulletin of the Brazilian Mathematical Society</i> , 1	1.2
14	Hyperbolicity of delay equations via cocycles. <i>Journal of Difference Equations and Applications</i> , 2021 , 27, 922-945	1
13	On the polynomial integrability of a system motivated by the Riemann ellipsoid problem. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2016 , 22, 872-882	1

12	NONUNIFORM EXPONENTIAL BEHAVIOUR AND TOPOLOGICAL EQUIVALENCE. <i>Glasgow Mathematical Journal</i> , 2016 , 58, 279-291	0.4
11	Periodic motion in perturbed elliptic oscillators revisited. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6
10	Global dynamics of a virus model with invariant algebraic surfaces. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2020 , 69, 535-546	0.5
9	Reversible polynomial Hamiltonian systems of degree 3 with nilpotent saddles. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021 , 26, 3209	1.3
8	Nonautonomous equations and almost reducibility sets. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2021 , 1-14	0.5
7	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
6	Algebraic Traveling Wave Solutions, Darboux Polynomials and Polynomial Solutions. <i>Qualitative Theory of Dynamical Systems</i> , 2018 , 17, 429-439	0.8
5	Global dynamics of the Buckingham two-body problem. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6
4	Equivariant Nonautonomous Normal Forms. <i>Qualitative Theory of Dynamical Systems</i> , 2021 , 20, 1	0.8
3	On the Existence of Symmetric Bicircular Central Configurations of the 3n-Body Problem. <i>Journal of Nonlinear Science</i> , 2021 , 31, 1	2.8
2	A Generalization of the Poincaré Compactification and the Real Jacobian Conjecture. <i>Journal of Dynamics and Differential Equations</i> , 1	1.3
1	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