

Estanislao Gamero

List of Publications by Year in descending order

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Version: 2024-02-01

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28
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42
all docs

42
docs citations

42
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	The integrability problem for a class of planar systems. <i>Nonlinearity</i> , 2009, 22, 395-420.	1.4	71
2	A NOTE ON THE TRIPLE-ZERO LINEAR DEGENERACY: NORMAL FORMS, DYNAMICAL AND BIFURCATION BEHAVIORS OF AN UNFOLDING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 2799-2820.	1.7	61
3	A case study for homoclinic chaos in an autonomous electronic circuit. <i>Physica D: Nonlinear Phenomena</i> , 1993, 62, 230-253.	2.8	59
4	Hypernormal Form for the Hopf-Zero Bifurcation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998, 08, 1857-1887.	1.7	41
5	Isochronicity via normal form. <i>Qualitative Theory of Dynamical Systems</i> , 2000, 1, 133-156.	1.7	41
6	SOME RESULTS ON CHUA'S EQUATION NEAR A TRIPLE-ZERO LINEAR DEGENERACY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 583-608.	1.7	41
7	Quasi-homogeneous normal forms. <i>Journal of Computational and Applied Mathematics</i> , 2003, 150, 193-216.	2.0	40
8	Analysis of Hopf and Takens's Bogdanov Bifurcations in a Modified van der Pol's Duffing Oscillator. <i>Nonlinear Dynamics</i> , 1998, 16, 369-404.	5.2	33
9	A three-parameter study of a degenerate case of the Hopf-pitchfork bifurcation. <i>Nonlinearity</i> , 1999, 12, 1177-1206.	1.4	33
10	A Tame Degenerate Hopf-Pitchfork Bifurcation in a Modified van der Pol's Duffing Oscillator. <i>Nonlinear Dynamics</i> , 2000, 22, 249-269.	5.2	33
11	ON THE HOPF'S PITCHFORK BIFURCATION IN THE CHUA'S EQUATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 291-305.	1.7	28
12	Hypernormal form calculation for triple-zero degeneracies. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 1999, 6, .	0.2	27
13	Monodromy, center-focus and integrability problems for quasi-homogeneous polynomial systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010, 72, 1726-1736.	1.1	25
14	Hypernormal Forms for Equilibria of Vector Fields. Codimension One Linear Degeneracies. <i>Rocky Mountain Journal of Mathematics</i> , 1999, 29, 13.	0.4	23
15	ON A CODIMENSION-THREE UNFOLDING OF THE INTERACTION OF DEGENERATE HOPF AND PITCHFORK BIFURCATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 1333-1362.	1.7	20
16	AN ANALYTICAL AND NUMERICAL STUDY OF A MODIFIED VAN DER POL OSCILLATOR. <i>Journal of Sound and Vibration</i> , 2002, 256, 755-771.	3.9	20
17	A bifurcation analysis of a simple electronic circuit. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005, 10, 169-178.	3.3	20
18	OSCILLATION-SLIDING IN A MODIFIED VAN DER POL'S DUFFING ELECTRONIC OSCILLATOR. <i>Journal of Sound and Vibration</i> , 2002, 249, 899-907.	3.9	17

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19	An Algorithm for Computing Quasi-Homogeneous Formal Normal Forms under Equivalence. Acta Applicandae Mathematicae, 2004, 80, 335-359.	1.0	17
20	First-order approximation for canard periodic orbits in a van der Pol electronic oscillator. Applied Mathematics Letters, 1999, 12, 73-78.	2.7	16
21	An exact homoclinic orbit and its connection with the Rössler system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1114-1121.	2.1	15
22	On orbital-reversibility for a class of planar dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 229-239.	3.3	14
23	Study of a degenerate bogdanov-takens bifurcation in a family of mechanical oscillators. Mechanics Research Communications, 1998, 25, 287-297.	1.8	12
24	RESONANCES OF PERIODIC ORBITS IN RÖSSLER SYSTEM IN PRESENCE OF A TRIPLE-ZERO BIFURCATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1997-2008.	1.7	12
25	The center problem. A view from the normal form theory. Journal of Mathematical Analysis and Applications, 2016, 434, 680-697.	1.0	12
26	A degenerate Hopf-saddle-node bifurcation analysis in a family of electronic circuits. Nonlinear Dynamics, 2007, 48, 55-76.	5.2	11
27	An Algorithm for Symbolic Computation of Hopf Bifurcation. , 1989, , 109-118.		9
28	Computing simplest normal forms for the Takens-Bogdanov singularity. Qualitative Theory of Dynamical Systems, 2002, 3, 377-435.	1.7	8
29	Resonances of periodic orbits in the Lorenz system. Nonlinear Dynamics, 2016, 84, 2111-2136.	5.2	7
30	A bifurcation analysis of planar nilpotent reversible systems. Nonlinear Dynamics, 2017, 87, 835-849.	5.2	5
31	The reversibility problem for quasi-homogeneous dynamical systems. Discrete and Continuous Dynamical Systems, 2013, 33, 3225-3236.	0.9	5
32	Orbital normal forms for a class of three-dimensional systems with an application to Hopf-zero bifurcation analysis of Fitzhugh-Nagumo system. Applied Mathematics and Computation, 2020, 369, 124893.	2.2	3
33	On the integrability problem for the Hopf-zero singularity and its relation with the inverse Jacobi multiplier. Applied Mathematics and Computation, 2021, 405, 126241.	2.2	3
34	Characterizing Orbital-Reversibility Through Normal Forms. Qualitative Theory of Dynamical Systems, 2021, 20, 1.	1.7	2
35	Generating Hopf Bifurcation Formulae with MAPLE. , 1991, , 295-299.		2
36	New aspects of the orbital normal form of the Hopf singularity: The Rayleigh and the van der Pol forms. International Journal of Non-Linear Mechanics, 2018, 105, 20-26.	2.6	1

#	ARTICLE	IF	CITATIONS
37	Structural stability of planar quasi-homogeneous vector fields. Journal of Mathematical Analysis and Applications, 2018, 468, 212-226.	1.0	1
38	Orbital Hypernormal Forms. Symmetry, 2021, 13, 1500.	2.2	1
39	Symbolic Computation and Bifurcation Methods. , 1990, , 105-122.		1
40	Normal Form for a Class of Three-Dimensional Systems with Free-Divergence Principal Part. Understanding Complex Systems, 2018, , 37-65.	0.6	0