Bernd Krauskopf

List of Publications by Year
in descending order

247 papers	6,656 citations	87886 38 h-index	85537 71 g-index
249 all docs	249 docs citations	249 times ranked	2670 citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-Mode Oscillations with Multiple Time Scales. SIAM Review, 2012, 54, 211-288.	8.4	431
2	The dynamical complexity of optically injected semiconductor lasers. Physics Reports, 2005, 416, 1-128.	25.6	385
3	Nonlinear Dynamics of Interacting Populations. World Scientific Series on Nonlinear Science, Series A, 1998, , .	0.0	288
4	A SURVEY OF METHODS FOR COMPUTING (UN)STABLE MANIFOLDS OF VECTOR FIELDS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 763-791.	1.7	212
5	A unifying view of bifurcations in a semiconductor laser subject to optical injection. Optics Communications, 1999, 172, 279-295.	2.1	171
6	Stability analysis of real-time dynamic substructuring using delay differential equation models. Earthquake Engineering and Structural Dynamics, 2005, 34, 1817-1832.	4.4	159
7	Global bifurcation investigation of an optimal velocity traffic model with driver reaction time. Physical Review E, 2004, 70, 026207.	2.1	133
8	Bifurcations and multiple traffic jams in a car-following model with reaction-time delay. Physica D: Nonlinear Phenomena, 2005, 211, 277-293.	2.8	129
9	Excitability and coherence resonance in lasers with saturable absorber. Physical Review E, 1999, 60, 6580-6588.	2.1	127
10	Multipulse Excitability in a Semiconductor Laser with Optical Injection. Physical Review Letters, 2002, 88, 063901.	7.8	120
11	Growing 1D and Quasi-2D Unstable Manifolds of Maps. Journal of Computational Physics, 1998, 146, 404-419.	3.8	108
12	Self-pulsations of lasers with saturable absorber: dynamics and bifurcations. Optics Communications, 1999, 159, 325-338.	2.1	99
13	Control based bifurcation analysis for experiments. Nonlinear Dynamics, 2008, 51, 365-377.	5.2	91
14	Excitability and self-pulsations near homoclinic bifurcations in semiconductor laser systems. Optics Communications, 2003, 215, 367-379.	2.1	87
15	Two-dimensional global manifolds of vector fields. Chaos, 1999, 9, 768-774.	2.5	85
16	Mixed-mode oscillations and slow manifolds in the self-coupled FitzHugh-Nagumo system. Chaos, 2008, 18, 015107.	2.5	81
17	Global quantitative predictions of complex laser dynamics. Physical Review E, 2002, 65, 045207.	2.1	79
18	Computing One-Dimensional Stable Manifolds and Stable Sets of Planar Maps without the Inverse. SIAM Journal on Applied Dynamical Systems, 2004, 3, 161-190.	1.6	79

#	ARTICLE	IF	CITATIONS
19	Interaction of torsion and lateral bending in aircraft nose landing gear shimmy. Nonlinear Dynamics, 2009, 57, 455-467.	5.2	79
20	Experimental Continuation of Periodic Orbits through a Fold. Physical Review Letters, 2008, 100, 244101.	7.8	78
21	Resonant Homoclinic Flip Bifurcations. Journal of Dynamics and Differential Equations, 2000, 12, 807-850.	1.9	77
22	Bifurcation analysis of an inverted pendulum with delayed feedback control near a triple-zero eigenvalue singularity. Nonlinearity, 2004, 17, 85-103.	1.4	76
23	Global study of a family of cubic Liénard equations. Nonlinearity, 1998, 11, 1505-1519.	1.4	72
24	A Lin's method approach to finding and continuing heteroclinic connections involving periodic orbits. Nonlinearity, 2008, 21, 1655-1690.	1.4	69
25	Global bifurcations of the Lorenz manifold. Nonlinearity, 2006, 19, 2947-2972.	1.4	64
26	Mutually delay-coupled semiconductor lasers: Mode bifurcation scenarios. Optics Communications, 2005, 255, 286-296.	2.1	62
27	The Geometry of Slow Manifolds near a Folded Node. SIAM Journal on Applied Dynamical Systems, 2008, 7, 1131-1162.	1.6	62
28	Computing Geodesic Level Sets on Global (Un)stable Manifolds of Vector Fields. SIAM Journal on Applied Dynamical Systems, 2003, 2, 546-569.	1.6	61
29	Semiconductor laser with phase-conjugate feedback: Dynamics and bifurcations. Physical Review E, 1998, 58, 7190-7197.	2.1	55
30	Compound Laser Modes of Mutually Delay-Coupled Lasers. SIAM Journal on Applied Dynamical Systems, 2006, 5, 30-65.	1.6	55
31	Numerical continuation of canard orbits in slow–fast dynamical systems. Nonlinearity, 2010, 23, 739-765.	1.4	53
32	Bifurcation transitions in an optically injected diode laser: theory and experiment. Optics Communications, 2003, 215, 125-134.	2.1	49
33	Globalizing Two-Dimensional Unstable Manifolds of Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 483-503.	1.7	48
34	Mechanisms for multistability in a semiconductor laser with optical injection. Optics Communications, 2000, 183, 215-226.	2.1	48
35	Numerical unfoldings of codimension-three resonant homoclinic flip bifurcations. Nonlinearity, 2001, 14, 597-621.	1.4	46
36	Collocation schemes for periodic solutions of neutral delay differential equations. Journal of Difference Equations and Applications, 2006, 12, 1087-1101.	1.1	46

#	ARTICLE	IF	CITATIONS
37	Upset Dynamics of an Airliner Model: A Nonlinear Bifurcation Analysis. Journal of Aircraft, 2013, 50, 1832-1842.	2.4	43
38	Symmetry properties of lasers subject to optical feedback. Optics Communications, 2000, 177, 347-353.	2.1	40
39	Multi-parameter bifurcation study of shimmy oscillations in a dual-wheel aircraft nose landing gear. Nonlinear Dynamics, 2012, 70, 1675-1688.	5.2	40
40	River Flow Modelling Using Fuzzy Decision Trees. Water Resources Management, 2002, 16, 431-445.	3.9	38
41	Complex balancing motions of an inverted pendulum subject to delayed feedback control. Physica D: Nonlinear Phenomena, 2004, 197, 332-345.	2.8	38
42	THE ECM-BACKBONE OF THE LANGâ€"KOBAYASHI EQUATIONS: A GEOMETRIC PICTURE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1575-1588.	1.7	38
43	Bifurcation Analysis of a Semiconductor Laser with Filtered Optical Feedback. SIAM Journal on Applied Dynamical Systems, 2007, 6, 1-28.	1.6	37
44	Climate models with delay differential equations. Chaos, 2017, 27, 114309.	2.5	37
45	Different types of chaos in an optically injected semiconductor laser. Applied Physics Letters, 2000, 77, 1611-1613.	3.3	36
46	Death of period-doublings: locating the homoclinic-doubling cascade. Physica D: Nonlinear Phenomena, 2000, 146, 100-120.	2.8	34
47	Accumulating regions of winding periodic orbits in optically driven lasers. Physica D: Nonlinear Phenomena, 2002, 173, 97-113.	2.8	34
48	Bifurcation analysis of a semiconductor laser subject to non-instantaneous phase-conjugate feedback. Optics Communications, 2004, 231, 383-393.	2.1	34
49	Computing One-Dimensional Global Manifolds of PoincarÃ© Maps by Continuation. SIAM Journal on Applied Dynamical Systems, 2005, 4, 1008-1041.	1.6	34
50	Computing Invariant Manifolds via the Continuation of Orbit Segments. Understanding Complex Systems, 2007, , 117-154.	0.6	34
51	Codimension-three unfoldings of reflectionally symmetric planar vector fields. Nonlinearity, 1997, 10, 1115-1150.	1.4	33
52	Visualizing the structure of chaos in the Lorenz system. Computers and Graphics, 2002, 26, 815-823.	2.5	33
53	HOMOCLINIC BRANCH SWITCHING: A NUMERICAL IMPLEMENTATION OF LIN'S METHOD. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 2977-2999.	1.7	33
54	Bifurcation and Stability Analysis of Aircraft Turning on the Ground. Journal of Guidance, Control, and Dynamics, 2009, 32, 500-511.	2.8	33

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55	Numerical continuation and bifurcation analysis in aircraft design: an industrial perspective. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140406.	3.4	32
56	Computing unstable manifolds of periodic orbits in delay differential equations. Journal of Computational Physics, 2003, 186, 230-249.	3.8	31
57	Mode structure of a semiconductor laser subject to filtered optical feedback. Optics Communications, 2006, 258, 243-255.	2.1	31
58	The Bifurcation Set for the 1:4 Resonance Problem. Experimental Mathematics, 1994, 3, 107-128.	0.7	30
59	Crocheting the Lorenz Manifold. Mathematical Intelligencer, 2004, 26, 25-37.	0.2	30
60	Bifurcations of n-homoclinic orbits in optically injected lasers. Nonlinearity, 2005, 18, 1095-1120.	1.4	30
61	Bifurcation Analysis of Lasers with Delay. , 2005, , 147-183.		29
62	Bifurcation sequences at 1:4 resonance: an inventory. Nonlinearity, 1994, 7, 1073-1091.	1.4	28
63	Bistability and torus break-up in a semiconductor laser with phase-conjugate feedback. Physica D: Nonlinear Phenomena, 2002, 173, 114-129.	2.8	28
64	A planar model system for the saddle–node Hopf bifurcation with global reinjection. Nonlinearity, 2004, 17, 1119-1151.	1.4	28
65	Resonance Phenomena in a Scalar Delay Differential Equation with Two State-Dependent Delays. SIAM Journal on Applied Dynamical Systems, 2017, 16, 1474-1513.	1.6	28
66	Unnested islands of period doublings in an injected semiconductor laser. Physical Review E, 2001, 64, 056204.	2.1	27
67	Bifurcation Analysis of Nose-Landing-Gear Shimmy with Lateral and Longitudinal Bending. Journal of Aircraft, 2010, 47, 87-95.	2.4	26
68	Global invariant manifolds in the transition to preturbulence in the Lorenz system. Indagationes Mathematicae, 2011, 22, 222-240.	0.4	26
69	Effects of Freeplay on Dynamic Stability of an Aircraft Main Landing Gear. Journal of Aircraft, 2013, 50, 1908-1922.	2.4	26
70	Sensitivity of the Generic Transport Model upset dynamics to time delay. , 2014, , .		26
71	Bifurcation analysis of a parametrically excited inclined cable close to two-to-one internal resonance. Journal of Sound and Vibration, 2011, 330, 6023-6035.	3.9	25
72	Nonlinear Dynamics of Aircraft Controller Characteristics Outside the Standard Flight Envelope. Journal of Guidance, Control, and Dynamics, 2015, 38, 2301-2308.	2.8	25

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73	Polarization selective symmetry breaking in the near-fields of vertical cavity surface emitting lasers. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 517-525.	1.4	24
74	Bifurcations of global reinjection orbits near a saddle-node Hopf bifurcation. Nonlinearity, 2006, 19, 2149-2167.	1.4	24
75	Experimental bifurcation diagram of a solid state laser with optical injection. Optics Communications, 2007, 271, 532-542.	2.1	24
76	Tangency Bifurcations of Global Poincaré Maps. SIAM Journal on Applied Dynamical Systems, 2008, 7, 712-754.	1.6	24
77	Canard cycles in aircraft ground dynamics. Nonlinear Dynamics, 2011, 66, 681-688.	5.2	23
78	Control-Based Continuation of Unstable Periodic Orbits. Journal of Computational and Nonlinear Dynamics, 2011, 6, .	1.2	23
79	Global Invariant Manifolds Near Homoclinic Orbits to a Real Saddle: (Non)Orientability and Flip Bifurcation. SIAM Journal on Applied Dynamical Systems, 2013, 12, 1803-1846.	1.6	23
80	Influence of Variable Side-Stay Geometry on the Shimmy Dynamics of an Aircraft Dual-Wheel Main Landing Gear. SIAM Journal on Applied Dynamical Systems, 2013, 12, 1181-1209.	1.6	23
81	Global organization of phase space in the transition to chaos in the Lorenz system. Nonlinearity, 2015, 28, R113-R139.	1.4	23
82	Tori and their bifurcations in an optically injected semiconductor laser. Optics Communications, 1998, 156, 158-169.	2.1	22
83	Numerical Continuation Applied to Landing Gear Mechanism Analysis. Journal of Aircraft, 2011, 48, 1254-1262.	2.4	22
84	How to find a codimension-one heteroclinic cycle between two periodic orbits. Discrete and Continuous Dynamical Systems, 2012, 32, 2825-2851.	0.9	22
85	Nonlinear semiclassical dynamics of the unbalanced, open Dicke model. Physical Review Research, 2020, 2, .	3.6	22
86	A Two-Parameter Study of the Locking Region of a Semiconductor Laser Subject to Phase-Conjugate Feedback. SIAM Journal on Applied Dynamical Systems, 2003, 2, 254-276.	1.6	21
87	One-dimensional unstable eigenfunction and manifold computations in delay differential equations. Journal of Computational Physics, 2004, 197, 86-98.	3.8	21
88	COMPUTING TWO-DIMENSIONAL GLOBAL INVARIANT MANIFOLDS IN SLOW–FAST SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 805-822.	1.7	21
89	Bifurcation Analysis of a Coupled Nose-Landing-Gear–Fuselage System. Journal of Aircraft, 2014, 51, 259-272.	2.4	21
90	The driven-dissipative Bose–Hubbard dimer: phase diagram and chaos. New Journal of Physics, 2020, 22, 043009.	2.9	21

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91	Investigating Torus Bifurcations in the Forced Van Der Pol Oscillator. The IMA Volumes in Mathematics and Its Applications, 2000, , 199-208.	0.5	21
92	Investigating the consequences of global bifurcations for two-dimensional invariant manifolds of vector fields. Discrete and Continuous Dynamical Systems, 2011, 29, 1309-1344.	0.9	21
93	Global bifurcations and bistability at the locking boundaries of a semiconductor laser with phase-conjugate feedback. Physical Review E, 2002, 66, 016220.	2.1	20
94	Entropy and bifurcations in a chaotic laser. Physical Review E, 2002, 66, 056201.	2.1	20
95	Operational Parameter Study of Aircraft Dynamics on the Ground. Journal of Computational and Nonlinear Dynamics, 2010, 5, .	1.2	20
96	Invariant manifolds and global bifurcations. Chaos, 2015, 25, 097604.	2.5	20
97	Infinitely many multipulse solitons of different symmetry types in the nonlinear SchrÃ¶dinger equation with quartic dispersion. Physical Review A, 2021, 103, .	2.5	20
98	Sudden chaotic transitions in an optically injected semiconductor laser. Optics Letters, 2001, 26, 816.	3.3	19
99	Dynamics of a filtered-feedback laser: influence of the filter width. Optics Letters, 2007, 32, 2441.	3.3	19
100	Numerical continuation analysis of a three-dimensional aircraft main landing gear mechanism. Nonlinear Dynamics, 2013, 71, 331-352.	5.2	19
101	Bifurcation analysis of delay-induced resonances of the El-NiÃ±o Southern Oscillation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140348.	2.1	19
102	Bifurcation analysis of a smoothed model of a forced impacting beam and comparison with an experiment. Nonlinear Dynamics, 2014, 77, 951-966.	5.2	19
103	Homoclinic bifurcations in a neutral delay model of a transmission line oscillator. Nonlinearity, 2007, 20, 809-829.	1.4	18
104	Multipulse dynamics of a passively mode-locked semiconductor laser with delayed optical feedback. Chaos, 2017, 27, 114301.	2.5	18
105	Mixed-Mode Oscillations and Twin Canard Orbits in an Autocatalytic Chemical Reaction. SIAM Journal on Applied Dynamical Systems, 2017, 16, 2165-2195.	1.6	18
106	The geometry of mixed-mode oscillations in the Olsen model for the Peroxidase-Oxidase reaction. Discrete and Continuous Dynamical Systems - Series S, 2009, 2, 807-827.	1.1	18
107	External cavity modes of semiconductor lasers with phase-conjugate feedback. Physical Review E, 2003, 68, 066205.	2.1	17
108	BIFURCATIONS OF STABLE SETS IN NONINVERTIBLE PLANAR MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 891-904.	1.7	17

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109	Periodic solutions and their bifurcations in a non-smooth second-order delay differential equation. Dynamical Systems, 2006, 21, 289-311.	0.4	17
110	Numerical Continuation Analysis of a Dual-Sidestay Main Landing Gear Mechanism. Journal of Aircraft, 2014, 51, 129-143.	2.4	17
111	Solving Winfree's puzzle: The isochrons in the FitzHugh-Nagumo model. Chaos, 2014, 24, 013131.	2.5	17
112	The Lorenz manifold as a collection of geodesic level sets. Nonlinearity, 2004, 17, C1-C6.	1.4	16
113	Global invariant manifolds near a Shilnikov homoclinic bifurcation. Journal of Computational Dynamics, 2014, 1, 1-38.	1.1	16
114	Delayed Feedback Versus Seasonal Forcing: Resonance Phenomena in an El NinÍ‚o Southern Oscillation Model. SIAM Journal on Applied Dynamical Systems, 2015, 14, 1229-1257.	1.6	16
115	Superradiant switching, quantum hysteresis, and oscillations in a generalized Dicke model. Physical Review A, 2020, 102, .	2.5	16
116	The mathematics of delay equations with an application to the Lang-Kobayashi equations. AIP Conference Proceedings, 2000, , .	0.4	15
117	Influence of Tire Inflation Pressure on Nose Landing Gear Shimmy. Journal of Aircraft, 2010, 47, 1697-1706.	2.4	15
118	α-flips and T-points in the Lorenz system. Nonlinearity, 2015, 28, R39-R65.	1.4	15
119	Pulse train interaction and control in a microcavity laser with delayed optical feedback. Optics Letters, 2018, 43, 3013.	3.3	15
120	Explicit periodic solutions in a model of a relay controller with delay and forcing. Nonlinearity, 2005, 18, 2637-2656.	1.4	14
121	A Global Bifurcation Analysis of the Subcritical Hopf Normal Form Subject to Pyragas Time-Delayed Feedback Control. SIAM Journal on Applied Dynamical Systems, 2014, 13, 1879-1915.	1.6	13
122	Asymmetric noise sensitivity of pulse trains in an excitable microlaser with delayed optical feedback. Physical Review A, 2017, 96, .	2.5	13
123	Finding First Foliation Tangencies in the Lorenz System. SIAM Journal on Applied Dynamical Systems, 2017, 16, 2127-2164.	1.6	13
124	Stability implications of delay distribution for first-order and second-order systems. Discrete and Continuous Dynamical Systems - Series B, 2010, 13, 327-345.	0.9	13
125	Mode structure of delay-coupled semiconductor lasers: influence of the pump current. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 361-371.	1.4	12
126	Amplitudeâ€"phase dynamics near the locking region of two delay-coupled semiconductor lasers. Nonlinearity, 2009, 22, 585-600.	1.4	12

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127	Nonlinear Analysis of Lateral Loading During Taxiway Turns. Journal of Guidance, Control, and Dynamics, 2010, 33, 1708-1717.	2.8	12
128	Application of Bifurcation Methods to the Prediction of Low-Speed Aircraft Ground Performance. Journal of Aircraft, 2010, 47, 1248-1255.	2.4	12
129	Nonlinear Dynamics of Torsional Waves in a Drill-string Model with Spatial Extent. JVC/Journal of Vibration and Control, 2010, 16, 1049-1065.	2.6	12
130	Interacting Global Invariant Sets in a Planar Map Model of Wild Chaos. SIAM Journal on Applied Dynamical Systems, 2013, 12, 1280-1329.	1.6	12
131	Bifurcation Analysis of the Yamada Model for a Pulsing Semiconductor Laser with Saturable Absorber and Delayed Optical Feedback. SIAM Journal on Applied Dynamical Systems, 2017, 16, 771-801.	1.6	12
132	Tangencies Between Global Invariant Manifolds and Slow Manifolds Near a Singular Hopf Bifurcation. SIAM Journal on Applied Dynamical Systems, 2018, 17, 1395-1431.	1.6	12
133	Saddle Slow Manifolds and Canard Orbits in R 4 $\mathbb{R}^{4}$ and Application to the Full Hodgkin–Huxley Model. Journal of Mathematical Neuroscience, 2018, 8, 5.	2.4	12
134	The effect of state dependence in a delay differential equation model for the El Niño Southern Oscillation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180121.	3.4	12
135	Pulse-timing symmetry breaking in an excitable optical system with delay. Physical Review E, 2021, 103, 012210.	2.1	12
136	Investigating Irregular Behavior in a Model for the El Ninĺ,o Southern Oscillation with Positive and Negative Delayed Feedback. SIAM Journal on Applied Dynamical Systems, 2016, 15, 1656-1689.	1.6	11
137	Saddle Invariant Objects and Their Global Manifolds in a Neighborhood of a Homoclinic Flip Bifurcation of Case B. SIAM Journal on Applied Dynamical Systems, 2017, 16, 640-686.	1.6	11
138	Existence of blenders in a Hénon-like family: geometric insights from invariant manifold computations. Nonlinearity, 2018, 31, R239-R267.	1.4	11
139	Equalization of pulse timings in an excitable microlaser system with delay. Physical Review Research, 2020, 2, .	3.6	11
140	Bifurcation Analysis of a Spatially Extended Laser with Optical Feedback. SIAM Journal on Applied Dynamical Systems, 2009, 8, 222-252.	1.6	10
141	Cascades of Global Bifurcations and Chaos near a Homoclinic Flip Bifurcation: A Case Study. SIAM Journal on Applied Dynamical Systems, 2018, 17, 2784-2829.	1.6	10
142	Robust spike timing in an excitable cell with delayed feedback. Journal of the Royal Society Interface, 2021, 18, 20210029.	3.4	10
143	Efficient computation of quasiperiodic oscillations in nonlinear systems with fast rotating parts. Nonlinear Dynamics, 2008, 51, 529-539.	5.2	9
144	Stabilizing effect of delay distribution for a class of second-order systems without instantaneous feedback. Dynamical Systems, 2011, 26, 85-101.	0.4	9

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145	Forward-Time and Backward-Time Isochrons and Their Interactions. SIAM Journal on Applied Dynamical Systems, 2015, 14, 1418-1453.	1.6	9
146	Chenciner bubbles and torus break-up in a periodically forced delay differential equation. Nonlinearity, 2018, 31, R165-R187.	1.4	9
147	CONVERGENCE OF JULIA SETS IN THE APPROXIMATION OF Î»ez BY Î»[1+(z/d)]d. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1993, 03, 257-270.	1.7	8
148	Bifurcation analysis of laser systems. AIP Conference Proceedings, 2000, , .	0.4	8
149	Bifurcation Analysis of Frequency Locking in a Semiconductor Laser with Phase-Conjugate Feedback. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 2589-2601.	1.7	8
150	External cavity modes in Lang-Kobayashi and traveling wave models. , 2006, , .		8
151	CONTROL-BASED CONTINUATION OF PERIODIC ORBITS WITH A TIME-DELAYED DIFFERENCE SCHEME. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2579-2593.	1.7	8
152	External cavity mode structure of a two-mode VCSEL subject to optical feedback. Optics Communications, 2007, 277, 359-371.	2.1	8
153	Vibration Dynamics of an Inclined Cable Excited Near Its Second Natural Frequency. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1430024.	1.7	8
154	Impact of Controller Delays on the Nonlinear Dynamics of Remotely Piloted Aircraft. Journal of Guidance, Control, and Dynamics, 2016, 39, 292-300.	2.8	8
155	Bifurcations at $infty$ in a model for 1:4 resonance. Ergodic Theory and Dynamical Systems, 1997, 17, 899-931.	0.6	7
156	TRAFFIC JAM DYNAMICS IN A CAR-FOLLOWING MODEL WITH REACTION-TIME DELAY AND STOCHASTICITY OF DRIVERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 199-204.	0.4	7
157	Unfolding the Cusp-Cusp Bifurcation of Planar Endomorphisms. SIAM Journal on Applied Dynamical Systems, 2007, 6, 403-440.	1.6	7
158	Tracking oscillations in the presence of delay-induced essential instability. Journal of Sound and Vibration, 2008, 315, 781-795.	3.9	7
159	Characterisation of cortical activity in response to deep brain stimulation of ventralâ€"lateral nucleus: Modelling and experiment. Journal of Neuroscience Methods, 2009, 183, 77-85.	2.5	7
160	Continuation Analysis of Aircraft Ground Loads During High-Speed Turns. Journal of Aircraft, 2013, 50, 217-231.	2.4	7
161	A numerical bifurcation study of a basic model of two coupled lasers with saturable absorption. European Physical Journal: Special Topics, 2014, 223, 2847-2856.	2.6	7
162	Investigation into the Interaction of Nose Landing Gear and Fuselage Dynamics. Journal of Aircraft, 2016, 53, 881-891.	2.4	7

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163	A note on non-converging Julia sets. Nonlinearity, 1996, 9, 601-603.	1.4	6
164	Kernel convergence of hyperbolic components. Ergodic Theory and Dynamical Systems, 1997, 17, 1137-1146.	0.6	6
165	Chaos in periodically driven systems. AIP Conference Proceedings, 2000, , .	0.4	6
166	Dynamical properties of mutually delayed coupled semiconductor lasers. , 2004, , .		6
167	A bifurcation study to guide the design of a landing gear with a combined uplock/downlock mechanism. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140332.	2.1	6
168	Effects of time-delay in a model of intra- and inter-personal motor coordination. European Physical Journal: Special Topics, 2016, 225, 2591-2600.	2.6	6
169	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow></mml:math> -switched pulsing lasers subject to delayed feedback: A model comparison. Physical Review A, 2018, 98, .	2.5	6
170	The Yamada Model for a Self-Pulsing Laser: Bifurcation Structure for Nonidentical Decay Times of Gain and Absorber. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030039.	1.7	6
171	The limits of sustained self-excitation and stable periodic pulse trains in the Yamada model with delayed optical feedback. Chaos, 2020, 30, 093101.	2.5	6
172	Analysis of Medium-Speed Runway Exit Maneuvers. Journal of Aircraft, 2011, 48, 1553-1564.	2.4	5
173	Chaos and Wild Chaos in Lorenz-Type Systems. Springer Proceedings in Mathematics and Statistics, 2014, , 75-98.	0.2	5
174	Interactions of the Julia Set with Critical and (Un)Stable Sets in an Angle-Doubling Map on â"{0}. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530013.	1.7	5
175	From wild Lorenz-like to wild Rovella-like dynamics. Dynamical Systems, 2015, 30, 525-542.	0.4	5
176	Chaotic switching in driven-dissipative Bose-Hubbard dimers: When a flip bifurcation meets a T-point in $ mathbb{R}^4 $. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.9	5
177	Experimental and numerical characterization of an all-fiber laser with a saturable absorber. Optics Letters, 2018, 43, 4945.	3.3	5
178	Mode structure of a semiconductor laser with feedback from two external filters. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 519-586.	0.9	5
179	A Lin's method approach for detecting all canard orbits arising from a folded node. Journal of Computational Dynamics, 2017, 4, 143-165.	1.1	5
180	Complicated dynamics due to a heteroclinic cycle in an injected diode laser. , 1998, , .		4

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181	Visualizing curvature on the Lorenz manifold. Journal of Mathematics and the Arts, 2007, 1, 113-123.	0.2	4
182	Nonlinear Analysis of the Influence of Tire Inflation Pressure on Nose Landing Gear Shimmy. , 2009, , .		4
183	Global isochrons of a planar system near a phaseless set with saddle equilibria. European Physical Journal: Special Topics, 2016, 225, 2645-2654.	2.6	4
184	Signatures Consistent with Multifrequency Tipping in the Atlantic Meridional Overturning Circulation. Physical Review Letters, 2020, 125, 228701.	7.8	4
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