Albert Luo

List of Publications by Year
in descending order

252 papers	4,254 citations	126907 33 h-index	161849 54 g-index
293 all docs	293 docs citations	293 times ranked	1072 citing authors

#	Article	IF	Citations
1	A theory for non-smooth dynamic systems on the connectable domains. Communications in Nonlinear Science and Numerical Simulation, 2005, 10, 1-55.	3.3	194
2	A theory for synchronization of dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1901-1951.	3.3	149
3	Approximate solutions of periodic motions in nonlinear systems via a generalized harmonic balance. JVC/Journal of Vibration and Control, 2012, 18, 1661-1674.	2.6	122
4	Stick and non-stick periodic motions in periodically forced oscillators with dry friction. Journal of Sound and Vibration, 2006, 291, 132-168.	3.9	115
5	The dynamics of a bouncing ball with a sinusoidally vibrating table revisited. Nonlinear Dynamics, 1996, 10, 1-18.	5.2	103
6	A theory for flow switchability in discontinuous dynamical systems. Nonlinear Analysis: Hybrid Systems, 2008, 2, 1030-1061.	3.5	100
7	The mapping dynamics of periodic motions for a three-piecewise linear system under a periodic excitation. Journal of Sound and Vibration, 2005, 283, 723-748.	3.9	95
8	Periodic motions and grazing in a harmonically forced, piecewise, linear oscillator with impacts. Chaos, Solitons and Fractals, 2005, 24, 567-578.	5.1	91
9	Discretized Lyapunov functional for systems with distributed delay and piecewise constant coefficients. International Journal of Control, 2001, 74, 737-744.	1.9	87
10	ANALYTICAL DYNAMICS OF PERIOD-m FLOWS AND CHAOS IN NONLINEAR SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250093.	1.7	79
11	Chaotic motion in a micro-electro–mechanical system with non-linearity from capacitors. Communications in Nonlinear Science and Numerical Simulation, 2002, 7, 31-49.	3.3	71
12	Discontinuous Dynamical Systems on Time-varying Domains. Nonlinear Physical Science, 2009, , .	0.2	67
13	Imaginary, sink and source flows in the vicinity of the separatrix of non-smooth dynamic systems. Journal of Sound and Vibration, 2005, 285, 443-456.	3.9	66
14	Periodic Flows to Chaos Based on Discrete Implicit Mappings of Continuous Nonlinear Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550044.	1.7	64
15	New trends in nonlinear dynamics and chaoticity. Nonlinear Dynamics, 2016, 84, 1-2.	5.2	64
16	ANALYTICAL PREDICTIONS OF CHAOS IN A NON-LINEAR ROD. Journal of Sound and Vibration, 1999, 227, 523-544.	3.9	61
17	On the Mechanism of Stick and Nonstick, Periodic Motions in a Periodically Forced, Linear Oscillator With Dry Friction. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 97-105.	1.6	61
18	An Unsymmetrical Motion in a Horizontal Impact Oscillator. Journal of Vibration and Acoustics, Transactions of the ASME, 2002, 124, 420-426.	1.6	56

#	Article	IF	Citations
19	Period-doubling induced chaotic motion in the LR model of a horizontal impact oscillator. Chaos, Solitons and Fractals, 2004, 19, 823-839.	5.1	56
20	Grazing phenomena in a periodically forced, friction-induced, linear oscillator. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 777-802.	3.3	56
21	Global chaos in a periodically forced, linear system with a dead-zone restoring force. Chaos, Solitons and Fractals, 2004, 19, 1189-1199.	5.1	54
22	Analytical Routes of Period-1 Motions to Chaos in a Periodically Forced Duffing Oscillator with a Twin-well Potential. Journal of Applied Nonlinear Dynamics, 2012, 1, 73-108.	0.3	54
23	Discretization and Implicit Mapping Dynamics. Nonlinear Physical Science, 2015, , .	0.2	51
24	Discontinuous Dynamical Systems. , 2012, , .		46
25	Analytical solutions for asymmetric periodic motions to chaos in a hardening Duffing oscillator. Nonlinear Dynamics, 2013, 72, 417-438.	5.2	46
26	Equilibrium and buckling stability for axially traveling plates. Communications in Nonlinear Science and Numerical Simulation, 2004, 9, 343-360.	3.3	42
27	A quantitative stability and bifurcation analyses of the generalized duffing oscillator with strong nonlinearity. Journal of the Franklin Institute, 1997, 334, 447-459.	3.4	40
28	Analytical solutions for periodic motions to chaos in nonlinear systems with/without time-delay. International Journal of Dynamics and Control, 2013, 1, 330-359.	2.5	40
29	Regularity and Complexity in Dynamical Systems. Advances in Dynamics, Patterns, Cognition, 2012, , .	0.3	39
30	Analytical solutions for period-m motions in a periodically forced van der Pol oscillator. International Journal of Dynamics and Control, 2013, 1, 99-115.	2.5	39
31	Unstable and Stable Period-m Motions in a Twin-well Potential Duffing Oscillator. Discontinuity, Nonlinearity, and Complexity, 2012, 1, 113-145.	0.2	39
32	DYNAMICS OF A HARMONICALLY EXCITED OSCILLATOR WITH DRY-FRICTION ON A SINUSOIDALLY TIME-VARYING, TRAVELING SURFACE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3539-3566.	1.7	37
33	Discontinuous dynamics of a non-linear, self-excited, friction-induced, periodically forced oscillator. Nonlinear Analysis: Real World Applications, 2012, 13, 241-257.	1.7	37
34	MECHANISM OF IMPACTING CHATTER WITH STICK IN A GEAR TRANSMISSION SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2093-2105.	1.7	36
35	The resonance theory for stochastic layers in nonlinear dynamic systems. Chaos, Solitons and Fractals, 2001, 12, 2493-2508.	5.1	33
36	On bifurcation trees of period-1 to period-2 motions in a nonlinear Jeffcott rotor system. International Journal of Mechanical Sciences, 2019, 160, 429-450.	6.7	33

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37	A Semi-analytical Prediction of Periodic Motions in Duffing Oscillator through Mapping Structures. Discontinuity, Nonlinearity, and Complexity, 2015, 4, 121-150.	0.2	33
38	An approximate theory for geometrically nonlinear thin plates. International Journal of Solids and Structures, 2000, 37, 7655-7670.	2.7	32
39	Periodic Motions in a Periodically Forced Oscillator Moving on an Oscillating Belt With Dry Friction. Journal of Computational and Nonlinear Dynamics, 2006, 1, 212-220.	1.2	32
40	Resonant-Separatrix Webs in Stochastic Layers of the Twin-Well Duffing Oscillator. Nonlinear Dynamics, 1999, 19, 37-48.	5.2	30
41	PERIODIC MOTIONS AND CHAOS WITH IMPACTING CHATTER AND STICK IN A GEAR TRANSMISSION SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 1975-1994.	1.7	29
42	Periodic motions in a simplified brake system with a periodic excitation. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2389-2414.	3.3	29
43	ON FLOW BARRIERS AND SWITCHABILITY IN DISCONTINUOUS DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1-76.	1.7	29
44	On flow switching bifurcations in discontinuous dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 100-116.	3.3	28
45	Analytical period-3 motions to chaos in a hardening Duffing oscillator. Nonlinear Dynamics, 2013, 73, 1905-1932.	5.2	27
46	The dynamics of stochastic and resonant layers in a periodically driven pendulum. Chaos, Solitons and Fractals, 2000, 11, 2349-2359.	5.1	26
47	RESONANT LAYERS IN A PARAMETRICALLY EXCITED PENDULUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 409-419.	1.7	26
48	On the symmetry of solutions in non-smooth dynamical systems with two constraints. Journal of Sound and Vibration, 2004, 273, 1118-1126.	3.9	26
49	Multiple bifurcation trees of period-1 motions to chaos in a periodically forced, time-delayed, hardening Duffing oscillator. Chaos, Solitons and Fractals, 2016, 89, 405-434.	5.1	26
50	A GLOBAL PERIOD-1 MOTION OF A PERIODICALLY EXCITED, PIECEWISE-LINEAR SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1945-1957.	1.7	24
51	Chaotic motion in the resonant separatrix bands of a Mathieu–Duffing oscillator with a twin-well potential. Journal of Sound and Vibration, 2004, 273, 653-666.	3.9	23
52	Routes of periodic motions to chaos in a periodically forced pendulum. International Journal of Dynamics and Control, 2017, 5, 551-569.	2.5	23
53	GLOBAL TANGENCY AND TRANSVERSALITY OF PERIODIC FLOWS AND CHAOS IN A PERIODICALLY FORCED, DAMPED DUFFING OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1-49.	1.7	22
54	An analytical prediction of sliding motions along discontinuous boundary in non-smooth dynamical systems. Nonlinear Dynamics, 2007, 49, 401-424.	5.2	21

#	ARTICLE	IF	CITATIONS
55	Analytical Solutions for Stable and Unstable Period-1 Motions in a Periodically Forced Oscillator With Quadratic Nonlinearity. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	21
56	Period-m Motions to Chaos in a Periodically Forced, Duffing Oscillator with a Time-Delayed Displacement. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450126.	1.7	21
57	Periodic Motions With Impacting Chatter and Stick in a Gear Transmission System. Journal of Vibration and Acoustics, Transactions of the ASME, 2009, 131, .	1.6	20
58	The chaotic synchronization of a controlled pendulum with a periodically forced, damped Duffing oscillator. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 4704-4717.	3.3	20
59	On Analytical Routes to Chaos in Nonlinear Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1430013.	1.7	20
60	Complex period-1 motions in a periodically forced, quadratic nonlinear oscillator. JVC/Journal of Vibration and Control, 2015, 21, 896-906.	2.6	20
61	Nonlinear Continuous Dynamical Systems. Advances in Dynamics, Patterns, Cognition, 2012, , 1-63.	0.3	20
62	Bifurcation Trees of Period-m Motions to Chaos in a Time-Delayed, Quadratic Nonlinear Oscillator under a Periodic Excitation. Discontinuity, Nonlinearity, and Complexity, 2014, 3, 87-107.	0.2	20
63	Nonlinear Vibration of Rotating Thin Disks. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 376-383.	1.6	19
64	Periodic Motions and Bifurcation Trees in a Buckled, Nonlinear Jeffcott Rotor System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550002.	1.7	19
65	Complex period-1 motions of a periodically forced Duffing oscillator with a time-delay feedback. International Journal of Dynamics and Control, 2015, 3, 325-340.	2.5	19
66	Existence and analytical predictions of periodic motions in a periodically forced, nonlinear friction oscillator. Journal of Sound and Vibration, 2008, 309, 129-149.	3.9	18
67	PARAMETRIC ANALYSIS OF BIFURCATION AND CHAOS IN A PERIODICALLY DRIVEN HORIZONTAL IMPACT PAIR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250268.	1.7	18
68	Dynamical System Synchronization. Advances in Dynamics, Patterns, Cognition, 2013, , .	0.3	18
69	On Discontinuous Dynamics of a Freight Train Suspension System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450163.	1.7	18
70	AN ANALYTICAL PREDICTION OF PERIODIC FLOWS IN THE CHUA CIRCUIT SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2165-2180.	1.7	17
71	Synchronization of a periodically forced Duffing oscillator with a periodically excited pendulum. Nonlinear Analysis: Real World Applications, 2011, 12, 1810-1827.	1.7	17
72	Predictions of quasi-periodic and chaotic motions in nonlinear Hamiltonian systems. Chaos, Solitons and Fractals, 2006, 28, 627-649.	5.1	16

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73	Synchronization dynamics of two different dynamical systems. Chaos, Solitons and Fractals, 2011, 44, 362-380.	5.1	16
74	Complex Dynamics of Projective Synchronization of Chua Circuits with Different Scrolls. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1530016.	1.7	16
75	On complex periodic motions and bifurcations in a periodically forced, damped, hardening Duffing oscillator. Chaos, Solitons and Fractals, 2015, 81, 378-399.	5.1	16
76	Symmetric and asymmetric period-1 motions in a periodically forced, time-delayed, hardening Duffing oscillator. Nonlinear Dynamics, 2016, 85, 1141-1166.	5.2	16
77	Analytical solutions of periodic motions in 1-dimensional nonlinear systems. Chaos, Solitons and Fractals, 2017, 97, 1-10.	5.1	16
78	Independent Period-2 Motions to Chaos in a van der Pol–Duffing Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030045.	1.7	15
79	Arbitrary Periodic Motions and Grazing Switching of a Forced Piecewise Linear, Impacting Oscillator. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 276-284.	1.6	14
80	Analytical periodic motions and bifurcations in a nonlinear rotor system. International Journal of Dynamics and Control, 2014, 2, 425-459.	2.5	14
81	Period-m motions and bifurcation trees in a periodically forced, van der Pol-Duffing oscillator. International Journal of Dynamics and Control, 2014, 2, 474-493.	2.5	14
82	A Series of Symmetric Period-1 Motions to Chaos in a Two-degree-of-freedom van der Pol-Duffing Oscillator. Journal of Vibration Testing and System Dynamics, 2018, 2, 119-153.	0.2	14
83	Dynamics of traveling, inextensible cables. Communications in Nonlinear Science and Numerical Simulation, 2004, 9, 531-542.	3.3	13
84	A periodically forced, piecewise linear system. Part I: Local singularity and grazing bifurcation. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 379-396.	3.3	13
85	On parameter characteristics of chaotic synchronization in two nonlinear gyroscope systems. Nonlinear Dynamics, 2012, 69, 1203-1223.	5.2	13
86	Bifurcation Trees of Period-1 Motions to Chaos in a Two-Degree-of-Freedom, Nonlinear Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550179.	1.7	13
87	Periodic Orbits in a Second-Order Discontinuous System with an Elliptic Boundary. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650224.	1.7	13
88	Periodic Motions to Chaos in Pendulum. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650159.	1.7	13
89	Resonant and Stationary Waves in Rotating Disks. Nonlinear Dynamics, 2001, 24, 359-372.	5.2	12
90	On the computation of Lyapunov exponents for forced vibration of a Lennard–Jones oscillator. Chaos, Solitons and Fractals, 2005, 23, 833-841.	5.1	12

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91	A theory for n-dimensional nonlinear dynamics on continuous vector fields. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 117-194.	3.3	12
92	On the Differential Geometry of Flows in Nonlinear Dynamical Systems. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	1.2	12
93	On motions and switchability in a periodically forced, discontinuous system with a parabolic boundary. Nonlinear Analysis: Real World Applications, 2010, 11, 2624-2633.	1.7	12
94	Periodic motions in a double-well Duffing oscillator under periodic excitation through discrete implicit mappings. International Journal of Dynamics and Control, 2017, 5, 223-238.	2.5	12
95	Sequent period-(2mâ€°âˆâ€°1) motions to chaos in the van der Pol oscillator. International Journal of Dynamics and Control, 2019, 7, 795-807.	2.5	12
96	Period-1 Motion to Chaos in a Nonlinear Flexible Rotor System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050077.	1.7	12
97	On infinite homoclinic orbits induced by unstable periodic orbits in the Lorenz system. Chaos, 2021, 31, 043106.	2.5	12
98	Complete Bifurcation Trees of a Parametrically Driven Pendulum. Journal of Vibration Testing and System Dynamics, 2017, 1, 93-134.	0.2	12
99	Resonance and Stochastic Layer in a Parametrically Excited Pendulum. Nonlinear Dynamics, 2001, 25, 355-367.	5.2	11
100	Airflow pressure and shear forces on a rotating, deformed disk in an open shroud. Communications in Nonlinear Science and Numerical Simulation, 2004, 9, 481-497.	3.3	11
101	Nonlinear dynamics theory of stochastic layers in Hamiltonian systems. Applied Mechanics Reviews, 2004, 57, 161-172.	10.1	11
102	Flow switchability and periodic motions in a periodically forced, discontinuous dynamical system. Nonlinear Analysis: Real World Applications, 2009, 10, 3028-3044.	1.7	11
103	ASYMMETRIC PERIODIC MOTIONS WITH CHAOS IN A SOFTENING DUFFING OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350086.	1.7	11
104	Analytical solutions of period-1 motions in a buckled, nonlinear Jeffcott rotor system. International Journal of Dynamics and Control, 2016, 4, 376-383.	2.5	11
105	Period-m Motions and Bifurcation Trees in a Periodically Excited, Quadratic Nonlinear Oscillator. Discontinuity, Nonlinearity, and Complexity, 2013, 2, 263-288.	0.2	11
106	Periodic Motions and Stability in a Semi-Active Suspension System with MR Damping. JVC/Journal of Vibration and Control, 2007, 13, 687-709.	2.6	10
107	Machine Tool Vibrations and Cutting Dynamics. , 2011, , .		10
108	Analytical routes of period-m motions to chaos in a parametric, quadratic nonlinear oscillator. International Journal of Dynamics and Control, 2016, 4, 1-22.	2.5	10

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109	Analytical period-1 motions to chaos in a two-degree-of-freedom oscillator with a hardening nonlinear spring. International Journal of Dynamics and Control, 2017, 5, 436-453.	2.5	10
110	Complex Dynamics of Bouncing Motions at Boundaries and Corners in a Discontinuous Dynamical System. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	1.2	10
111	Bifurcation trees of period-3 motions to chaos in a time-delayed Duffing oscillator. Nonlinear Dynamics, 2017, 88, 2831-2862.	5.2	10
112	On possible infinite bifurcation trees of period-3 motions to chaos in a time-delayed, twin-well Duffing oscillator. International Journal of Dynamics and Control, 2018, 6, 1429-1464.	2.5	10
113	On Existence and Bifurcations of Periodic Motions in Discontinuous Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150063.	1.7	10
114	Switching Mechanism and Complex Motions in an Extended Fermi-Acceleration Oscillator. Journal of Computational and Nonlinear Dynamics, 2010, 5, .	1.2	9
115	Nonlinear Deformable-body Dynamics. Nonlinear Physical Science, 2010, , .	0.2	9
116	A YINGâ€"YANG THEORY IN NONLINEAR DISCRETE DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1085-1098.	1.7	9
117	Sinusoidal synchronization of a Duffing oscillator with a chaotic pendulum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3080-3089.	2.1	9
118	Periodic and chaotic synchronizations of two distinct dynamical systems under sinusoidal constraints. Chaos, Solitons and Fractals, 2012, 45, 998-1011.	5.1	9
119	Period-3 motions to chaos in a periodically forced duffing oscillator with a linear time-delay. International Journal of Dynamics and Control, 2015, 3, 371-388.	2.5	9
120	Frequency-amplitude characteristics of periodic motions in a periodically forced van der Pol oscillator. European Physical Journal: Special Topics, 2019, 228, 1839-1854.	2.6	9
121	Periodic and Chaotic Motions in a Gear-pair Transmission System with Impacts. , 2011, , 13-24.		9
122	On Experimental Periodic Motions in a Duï¬ng Oscillatory Circuit. Journal of Vibration Testing and System Dynamics, 2019, 3, 55-70.	0.2	9
123	Thermally Induced, Nonlinear Vibrations of Rotating Disks. Nonlinear Dynamics, 2001, 26, 393-409.	5.2	8
124	On the Mechanism of Stick and Non-Stick, Periodic Motions in a Forced Linear Oscillator Including Dry Friction. , 2004, , 335.		8
125	THE MECHANISM OF A CONTROLLED PENDULUM SYNCHRONIZING WITH PERIODIC MOTIONS IN A PERIODICALLY FORCED, DAMPED DUFFING OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1813-1829.	1.7	8
126	SINGULARITY, SWITCHABILITY AND BIFURCATIONS IN A 2-DOF, PERIODICALLY FORCED, FRICTIONAL OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330009.	1.7	8

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127	An Approximate Solution for Period-1 Motions in a Periodically Forced Van Der Pol Oscillator. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	1.2	8
128	A Period-1 Motion to Chaos in a Periodically Forced, Damped, Double-Pendulum. Journal of Vibration Testing and System Dynamics, 2019, 3, 259-280.	0.2	8
129	Chaotic motions in the resonant separatrix band of a parametrically excited pendulum. Communications in Nonlinear Science and Numerical Simulation, 2000, 5, 135-140.	3.3	7
130	Asymmetric responses of rotating, thin disks experiencing large deflections. Computers and Mathematics With Applications, 2003, 45, 217-228.	2.7	7
131	An Analytical Prediction of the Global Period-1 Motion in a Periodically Forced, Piecewise Linear System. , 2003, , 1423.		7
132	Grazing bifurcations of a harmonically excited oscillator moving on a time-varying translation belt. Nonlinear Analysis: Real World Applications, 2008, 9, 2156-2174.	1.7	7
133	Sliding and transversal motions on an inclined boundary in a periodically forced discontinuous system. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 86-98.	3.3	7
134	PARAMETER CHARACTERISTICS FOR STABLE AND UNSTABLE SOLUTIONS IN NONLINEAR DISCRETE DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3173-3191.	1.7	7
135	On Periodic Motions in a Parametric Hardening Duffing Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1430004.	1.7	7
136	On periodic solutions of a second-order, time-delayed, discontinuous dynamical system. Chaos, Solitons and Fractals, 2018, 114, 216-229.	5.1	7
137	An exact, closed-form solution for equilibrium of traveling, sagged, elastic cables under uniformly distributed loading. Communications in Nonlinear Science and Numerical Simulation, 2000, 5, 6-11.	3.3	6
138	On resonant separatrix bands of a Duffing oscillator with a twin-well potential. Chaos, Solitons and Fractals, 2003, 15, 771-782.	5.1	6
139	On grazing and strange attractors fragmentation in non-smooth dynamical systems. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 922-933.	3.3	6
140	A periodically forced, piecewise linear system, Part II: The fragmentation mechanism of strange attractors and grazing. Communications in Nonlinear Science and Numerical Simulation, 2007, 12, 986-1004.	3.3	6
141	Period-1 Evolutions to Chaos in a Periodically Forced Brusselator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830046.	1.7	6
142	A Parameter Study on Periodic Motions in a Discontinuous Dynamical System with Two Circular Boundaries. Discontinuity, Nonlinearity, and Complexity, 2021, 10, 289-309.	0.2	6
143	Periodic motions and homoclinic orbits in a discontinuous dynamical system on a single domain with multiple vector fields. Chaos, 2022, 32, 033132.	2.5	6
144	Investigations of Stochastic Layers in Nonlinear Dynamics. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 36-41.	1.6	5

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145	Chaos and Quasi-Periodic Motions on the Homoclinic Surface of Nonlinear Hamiltonian Systems With Two Degrees of Freedom. Journal of Computational and Nonlinear Dynamics, 2006, 1, 135-142.	1.2	5
146	Periodic Motions of the Machine Tools in Cutting Process. , 2007, , 2257.		5
147	Switching dynamics of multiple linear oscillators. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3472-3485.	3.3	5
148	Switchability and Bifurcation of Motions in a Double-Excited Fermi-Acceleration Oscillator. , 2010, , .		5
149	On period-1 motions to chaos in a 1-dimensional, time-delay, nonlinear system. International Journal of Dynamics and Control, 2020, 8, 44-50.	2.5	5
150	An independent period-3 motion to chaos in a nonlinear flexible rotor system. International Journal of Dynamics and Control, 2020, 8, 337-351.	2.5	5
151	Bifurcation and Stability in Nonlinear Discrete Systems. Nonlinear Physical Science, 2020, , .	0.2	5
152	Symmetric and asymmetric periodic motions of a nonlinear oscillator with a tuned mass damper inerter. European Physical Journal: Special Topics, 2021, 230, 3533-3549.	2.6	5
153	On Stability and Bifurcation of Equilibriums in Nonlinear Systems. Journal of Vibration Testing and System Dynamics, 2019, 3, 147-232.	0.2	5
154	Paired asymmetric periodic oscillations in a pair of first-order asymmetric nonlinear circuit systems. Mechanical Systems and Signal Processing, 2022, 171, 108810.	8.0	5
155	Bifurcation and Stability of Periodic Motions in a Periodically Forced Oscillator With Multiple Discontinuities. Journal of Computational and Nonlinear Dynamics, 2009, 4, .	1.2	4
156	A theory for nonlinear soft webs. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2184-2199.	3.3	4
157	Analytical Predication of Complex Motion of a Ball in a Periodically Shaken Horizontal Impact Pair. Journal of Computational and Nonlinear Dynamics, 2012, 7, .	1.2	4
158	Bifurcation trees of periodic motions to chaos in a parametric Duffing oscillator. International Journal of Dynamics and Control, 2018, 6, 425-458.	2.5	4
159	Analytical Solutions of Period-1 to Period-2 Motions in a Periodically Diffused Brusselator. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	4
160	Bifurcation Dynamics of a Damped Parametric Pendulum. Synthesis Lectures on Mechanical Engineering, 2019, 3, 1-98.	0.1	4
161	Periodic motions on bifurcation trees in an inverted pendulum with a periodically moving base. International Journal of Dynamics and Control, 2021, 9, 410-423.	2.5	4
162	Constructed limit cycles in a discontinuous system with multiple vector fields. Journal of Vibration Testing and System Dynamics, 2021, 5, 33-51.	0.2	4

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163	Period-1 to Period-8 Motions in a Nonlinear Jeffcott Rotor System. Journal of Computational and Nonlinear Dynamics, 2020, , .	1.2	4
164	On the Rigid-Body Motion of Traveling, Sagged, Elastic Cables. , 2002, , 397.		3
165	Switching Dynamics of a Periodically Forced Discontinuous System With an Inclined Boundary. , 2007, , .		3
166	On the projective function synchronization of chaos for two gyroscope systems under sinusoidal constraints. International Journal of Dynamics and Control, 2013, 1, 203-213.	2.5	3
167	Periodic orbits and bifurcations in discontinuous systems with a hyperbolic boundary. International Journal of Dynamics and Control, 2017, 5, 513-529.	2.5	3
168	Periodic Flows to Chaos in Time-delay Systems. Advances in Dynamics, Patterns, Cognition, 2017, , .	0.3	3
169	Periodic motions and limit cycles of linear cable galloping. International Journal of Dynamics and Control, 2018, 6, 41-78.	2.5	3
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