

# Steven Shaw

## List of Publications by Year in descending order

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168  
papers

7,905  
citations

53794

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54911

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173  
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173  
docs citations

173  
times ranked

2612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Remote Boundary Conditions on Clamping Loss in Micromechanical Resonators. Journal of Microelectromechanical Systems, 2022, 31, 204-216.	2.5	2
2	Giant parametric amplification and spectral narrowing in atomically thin MoS <sub>2</sub> nanomechanical resonators. Applied Physics Reviews, 2022, 9, .	11.3	7
3	Phononic Frequency Comb Generation via 1:1 Mode Coupling in MoS <sub>2</sub> 2D Nanoelectromechanical Resonators. , 2022, , .		4
4	Influence of Clamping Loss and Electrical Damping On Nonlinear Dissipation in Micromechanical Resonators. , 2022, , .		0
5	Effective and robust rocking centrifugal pendulum vibration absorbers. Journal of Sound and Vibration, 2022, 527, 116821.	3.9	13
6	Amplitude stabilization in a synchronized nonlinear nanomechanical oscillator. Communications Physics, 2022, 5, .	5.3	5
7	Maximizing the rate sensitivity of resonating gyroscopes using nonlinear shape optimization. Journal of Micromechanics and Microengineering, 2022, 32, 064003.	2.6	0
8	Resonant modal interactions in micro/nano-mechanical structures. Nonlinear Dynamics, 2021, 104, 1801-1828.	5.2	24
9	The Effects of Gravity on the Response of Centrifugal Pendulum Vibration Absorbers. Journal of Vibration and Acoustics, Transactions of the ASME, 2021, 143, .	1.6	8
10	Suppressing Frequency Fluctuations of Self-Sustained Vibrations in Underdamped Nonlinear Resonators. Physical Review Applied, 2021, 15, .	3.8	7
11	Tuning linear and nonlinear characteristics of a resonator via nonlinear interaction with a secondary resonator. Nonlinear Dynamics, 2020, 99, 433-443.	5.2	11
12	Spectral narrowing of parametrically pumped thermomechanical noise. Applied Physics Letters, 2020, 117, 033504.	3.3	8
13	The effects of nonlinear damping on degenerate parametric amplification. Nonlinear Dynamics, 2020, 102, 2433-2452.	5.2	15
14	Phase Control of Self-Excited Parametric Resonators. Physical Review Applied, 2019, 12, .	3.8	17
15	Bifurcation diagram and dynamic response of a MEMS resonator with a 1:3 internal resonance. Applied Physics Letters, 2019, 114, .	3.3	38
16	Preface to the special issue "NODYCON 2019". Nonlinear Dynamics, 2019, 98, 2427-2434.	5.2	0
17	Bifurcation Generated Mechanical Frequency Comb. Physical Review Letters, 2018, 121, 244302.	7.8	73
18	Self-induced parametric amplification in ring resonating gyroscopes. International Journal of Non-Linear Mechanics, 2017, 94, 300-308.	2.6	26

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19	Tailoring the nonlinear response of MEMS resonators using shape optimization. Applied Physics Letters, 2017, 110, .	3.3	37
20	Comparison of Nonlinear System Identification Methods for Free Decay Measurements with Application to MEMS Devices. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 29-46.	0.5	5
21	Special Section on the Dynamics of MEMS and NEMS. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.6	3
22	Direct observation of coherent energy transfer in nonlinear micromechanical oscillators. Nature Communications, 2017, 8, 15523.	12.8	92
23	Phase noise suppression through parametric filtering. Applied Physics Letters, 2017, 110, .	3.3	11
24	Modeling for Nonlinear Vibrational Response of Mechanical Systems. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2017, , 277-319.	0.6	2
25	Nonlinearity and parametric pumping in sensors: Opportunities and limitations. , 2017, , .		3
26	Anomalous Decay of Nanomechanical Modes Going Through Nonlinear Resonance. Scientific Reports, 2017, 7, 18091.	3.3	34
27	Application of the Harmonic Balance Method to Centrifugal Pendulum Vibration Absorbers. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 243-252.	0.5	4
28	Phase Noise Reduction in an MEMS Oscillator Using a Nonlinearly Enhanced Synchronization Domain. Journal of Microelectromechanical Systems, 2016, 25, 870-876.	2.5	25
29	Nonlinearity of Degenerately Doped Bulk-Mode Silicon MEMS Resonators. Journal of Microelectromechanical Systems, 2016, 25, 859-869.	2.5	41
30	Generalized Parametric Resonance. SIAM Journal on Applied Dynamical Systems, 2016, 15, 767-788.	1.6	2
31	Vibration reduction in a tilting rotor using centrifugal pendulum vibration absorbers. Journal of Sound and Vibration, 2016, 385, 55-68.	3.9	23
32	Characterization of MEMS Resonator Nonlinearities Using the Ringdown Response. Journal of Microelectromechanical Systems, 2016, 25, 297-303.	2.5	115
33	Phase Noise Reduction and Optimal Operating Conditions for a Pair of Synchronized Oscillators. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1-11.	5.4	18
34	Experimental investigation on mode coupling of bulk mode silicon MEMS resonators. , 2015, , .		9
35	Nonlinear Dynamics of Flexible Rotating Shafts With Centrifugal Pendulum Vibration Absorbers. , 2015, , .		1
36	Synchronous and non-synchronous responses of systems with multiple identical nonlinear vibration absorbers. Journal of Sound and Vibration, 2015, 348, 105-125.	3.9	28

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37	Structural optimization for nonlinear dynamic response. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140408.	3.4	46
38	Circulant Matrices and Their Application to Vibration Analysis. Applied Mechanics Reviews, 2014, 66, .	10.1	89
39	Non-synchronous and Localized Responses of Systems of Identical Centrifugal Pendulum Vibration Absorbers. Arabian Journal for Science and Engineering, 2014, 39, 9205-9217.	1.1	18
40	Frequency division using a micromechanical resonance cascade. Applied Physics Letters, 2014, 105, .	3.3	26
41	The non-linear dynamics of electromagnetically actuated microbeam resonators with purely parametric excitations. International Journal of Non-Linear Mechanics, 2013, 55, 79-89.	2.6	36
42	Tuning of centrifugal pendulum vibration absorbers for translational and rotational vibration reduction. Mechanism and Machine Theory, 2013, 66, 56-65.	4.5	53
43	Nonlinear Transient Dynamics of Pendulum Torsional Vibration Absorbersâ€™Part I: Theory. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	10
44	Subharmonic Resonance Cascades in a Class of Coupled Resonators. Journal of Computational and Nonlinear Dynamics, 2013, 8, .	1.2	13
45	Nonlinear Interactions in Systems of Multiple Order Centrifugal Pendulum Vibration Absorbers. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	23
46	Nonlinear Transient Dynamics of Pendulum Torsional Vibration Absorbersâ€™Part II: Experimental Results. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	9
47	A review of parametric resonance in microelectromechanical systems. Nonlinear Theory and Its Applications IEICE, 2013, 4, 198-224.	0.6	25
48	Escape statistics for parameter sweeps through bifurcations. Physical Review E, 2012, 85, 046202.	2.1	14
49	Parametric amplification in a resonant sensing array. Journal of Micromechanics and Microengineering, 2012, 22, 035004.	2.6	18
50	Resonance Suppression in Multi-Degree-of-Freedom Rotating Flexible Structures Using Order-Tuned Absorbers. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.6	11
51	Frequency Sweeping With Concurrent Parametric Amplification. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	5
52	Analysis and Design of Multiple Order Centrifugal Pendulum Vibration Absorbers. , 2012, , .		3
53	The Balanced Dynamical Bridge: Detection and Sensitivity to Parameter Shifts and Non-Gaussian Noise. , 2012, , .		1
54	The effects of Coulomb friction on the performance of centrifugal pendulum vibration absorbers. Nonlinear Dynamics, 2012, 69, 589-600.	5.2	24

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55	On the transient response of forced nonlinear oscillators. <i>Nonlinear Dynamics</i> , 2012, 67, 2609-2619.	5.2	12
56	Designing Nonlinear Torsional Vibration Absorbers. , 2012, , 135-169.		1
57	Subharmonic Resonance Cascades in a Class of Coupled Resonators. , 2011, , .		0
58	Nonlinear dynamics of MEMS systems. , 2011, , .		14
59	Nonlinear Transient Dynamics of Pendulum Torsional Vibration Absorbers. , 2011, , .		1
60	Accounting for Roller Dynamics in the Design of Bifilar Torsional Vibration Absorbers. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2011, 133, .	1.6	25
61	Fast estimation of bifurcation conditions using noisy response data. , 2010, , .		5
62	Vibration absorbers for a rotating flexible structure with $\hat{A}$ cyclic symmetry: nonlinear path design. <i>Nonlinear Dynamics</i> , 2010, 60, 149-182.	5.2	18
63	Catastrophic sliding bifurcations and onset of oscillations in a superconducting resonator. <i>Physical Review E</i> , 2010, 81, 016213.	2.1	31
64	Spectrum of an Oscillator with Jumping Frequency and the Interference of Partial Susceptibilities. <i>Physical Review Letters</i> , 2010, 105, 230601.	7.8	31
65	Tuning for Performance and Stability in Systems of Nearly Tautochronic Torsional Vibration Absorbers. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2010, 132, .	1.6	50
66	Nonlinear Dynamics and Its Applications in Micro- and Nanoresonators. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010, 132, .	1.6	217
67	Vibration Suppression in Structures Using Cable Actuators. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2010, 132, .	1.6	22
68	Noise-induced intermittency in a superconducting microwave resonator. <i>Europhysics Letters</i> , 2010, 89, 17003.	2.0	13
69	The impact of nonlinearity on degenerate parametric amplifiers. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	62
70	Accounting for Roller Dynamics in the Design of Bifilar Torsional Vibration Absorbers. , 2009, , .		3
71	Resonance Suppression in Multi-DOF Rotating Flexible Structures Using Order-Tuned Absorbers. , 2009, , .		2
72	Modal disparity and its experimental verification. <i>Journal of Sound and Vibration</i> , 2008, 311, 1465-1475.	3.9	9

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73	Nonlinear Dynamics and Its Applications in Micro- and Nanoresonators. , 2008, , .		30
74	A MEMS-Based Rate Gyro Based on Parametric Resonance. , 2008, , .		3
75	A single input-single output coupled microresonator array for the detection and identification of multiple analytes. Applied Physics Letters, 2008, 93, .	3.3	75
76	A Review of Nonlinear Dynamics of Mechanical Systems in Year 2008. Journal of System Design and Dynamics, 2008, 2, 611-640.	0.3	40
77	Mechanical Domain Parametric Amplification. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.6	47
78	Frequency Sweeping With Concurrent Parametric Amplification. , 2008, , .		2
79	The Effects of Nonlinearity on Parametric Amplifiers. , 2008, , .		3
80	Vibration Absorbers for Cyclic Rotating Flexible Structures: Linear and Nonlinear Tuning. , 2008, , .		6
81	Linear and Nonlinear Tuning of Parametrically Excited MEMS Oscillators. Journal of Microelectromechanical Systems, 2007, 16, 310-318.	2.5	94
82	Sub-harmonic resonant solutions of a harmonically excited dry friction oscillator. Nonlinear Dynamics, 2007, 50, 93-109.	5.2	29
83	A single input–single output mass sensor based on a coupled array of microresonators. Sensors and Actuators A: Physical, 2007, 137, 147-156.	4.1	47
84	Analytical and Experimental Investigation of Modal Disparity. , 2007, , .		0
85	Mechanical Domain Parametric Amplification. , 2007, , .		0
86	The nonlinear response of resonant microbeam systems with purely-parametric electrostatic actuation. Journal of Micromechanics and Microengineering, 2006, 16, 890-899.	2.6	158
87	Nonlinear normal modes and their application in structural dynamics. Mathematical Problems in Engineering, 2006, 2006, 1-15.	1.1	29
88	Generalized parametric resonance in electrostatically actuated microelectromechanical oscillators. Journal of Sound and Vibration, 2006, 296, 797-829.	3.9	194
89	The Dynamic Response of Tuned Impact Absorbers for Rotating Flexible Structures. Journal of Computational and Nonlinear Dynamics, 2006, 1, 13-24.	1.2	26
90	Active Vibration Control of a Flexible Beam Using a Buckling-Type End Force. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2006, 128, 278-286.	1.6	23

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91	Tautochronic Vibration Absorbers for Rotating Systems. Journal of Computational and Nonlinear Dynamics, 2006, 1, 283-293.	1.2	48
92	A SISO, Multi-Analyte Sensor Based on a Coupled Microresonator Array. , 2006, , .		2
93	Nonlinear Response of Parametrically-Excited MEMS. , 2005, , 453.		3
94	MEMS implementation of axial and follower end forces. Journal of Sound and Vibration, 2005, 286, 637-644.	3.9	25
95	Nonlinear normal modes for vibratory systems under harmonic excitation. Journal of Sound and Vibration, 2005, 288, 791-812.	3.9	89
96	The construction of non-linear normal modes for systems with internal resonance. International Journal of Non-Linear Mechanics, 2005, 40, 729-746.	2.6	67
97	Component Mode Synthesis Using Nonlinear Normal Modes. Nonlinear Dynamics, 2005, 41, 17-46.	5.2	45
98	Stability and Bifurcation of Longitudinal Vehicle Braking. Nonlinear Dynamics, 2005, 40, 339-365.	5.2	23
99	Tunable Microelectromechanical Filters that Exploit Parametric Resonance. Journal of Vibration and Acoustics, Transactions of the ASME, 2005, 127, 423-430.	1.6	122
100	Parametrically Excited MEMS-Based Filters. , 2005, , 137-146.		15
101	Nonlinear Normal Modes of a Rotating Shaft Based on the Invariant Manifold Method. International Journal of Rotating Machinery, 2004, 10, 319-335.	0.8	22
102	Vibration Control in a Flexible Beam Using a Conservative Force. , 2004, , 1451.		0
103	Centrifugal Pendulum Vibration Absorbers: An Experimental and Theoretical Investigation. Nonlinear Dynamics, 2003, 34, 293-307.	5.2	48
104	Nonlinear Dynamics of Vehicle Traction. Vehicle System Dynamics, 2003, 40, 377-399.	3.7	52
105	Finite-Element-Based Nonlinear Modal Reduction of a Rotating Beam with Large-Amplitude Motion. JVC/Journal of Vibration and Control, 2003, 9, 235-263.	2.6	47
106	Steady-State Responses in Systems of Nearly-Identical Torsional Vibration Absorbers. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 80-87.	1.6	38
107	Experimental Investigation of a System With Multiple Nearly Identical Centrifugal Pendulum Vibration Absorbers. , 2003, , 913.		13
108	Vibration Reduction in a Variable Displacement Engine Using Pendulum Absorbers. , 2003, , .		29

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109	Modal Reduction of a Nonlinear Rotating Beam Through Nonlinear Normal Modes*. Journal of Vibration and Acoustics, Transactions of the ASME, 2002, 124, 229-236.	1.6	86
110	The Construction of Nonlinear Normal Modes for Systems With Internal Resonance: Application to Rotating Beams. , 2002, , 445.		0
111	PERFORMANCE AND DYNAMIC STABILITY OF GENERAL-PATH CENTRIFUGAL PENDULUM VIBRATION ABSORBERS. Journal of Sound and Vibration, 2002, 252, 791-815.	3.9	119
112	A NEW GALERKIN-BASED APPROACH FOR ACCURATE NON-LINEAR NORMAL MODES THROUGH INVARIANT MANIFOLDS. Journal of Sound and Vibration, 2002, 249, 971-993.	3.9	127
113	Accurate reduced-order models for a simple rotor blade model using nonlinear normal modes. Mathematical and Computer Modelling, 2001, 33, 1085-1097.	2.0	44
114	Nonlinear Modal Analysis of Structural Systems Using Multi-Mode Invariant Manifolds. Nonlinear Dynamics, 2001, 25, 183-205.	5.2	60
115	Nonlinear Modal Analysis of Structural Systems Using Multi-Mode Invariant Manifolds. , 2001, , 183-205.		37
116	An Experimental Study of Torsional Vibration Absorbers. , 2001, , .		4
117	Capsize criteria for ship models with memory-dependent hydrodynamics and random excitation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 1761-1791.	3.4	27
118	Modal Analysis-Based Reduced-Order Models for Nonlinear Structures--An Invariant Manifold Approach. The Shock and Vibration Digest, 1999, 31, 3-16.	6.2	57
119	Steady-State Non-Synchronous and Localized Responses of Tuned Pendulum Vibration Absorbers. , 1999, , .		3
120	A Subharmonic Vibration Absorber for Rotating Machinery. Journal of Vibration and Acoustics, Transactions of the ASME, 1997, 119, 590-595.	1.6	31
121	Stability of the Unison Response for a Rotating System With Multiple Tautochronic Pendulum Vibration Absorbers. Journal of Applied Mechanics, Transactions ASME, 1997, 64, 149-156.	2.2	74
122	Attenuation of Engine Torsional Vibrations Using Tuned Pendulum Absorbers. , 1997, , .		10
123	Normal modes for piecewise linear vibratory systems. Nonlinear Dynamics, 1996, 10, 135-164.	5.2	62
124	A FAST-MANIFOLD APPROACH TO MELNIKOV FUNCTIONS FOR SLOWLY VARYING OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 1575-1578.	1.7	4
125	Non-linear modal analysis of the forced response of structural systems. , 1996, , .		0
126	Non-linear normal modes, invariance, and modal dynamics approximations of non-linear systems. Nonlinear Dynamics, 1995, 8, 315-346.	5.2	42



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127	Torsional Vibration Reduction in Internal Combustion Engines Using Centrifugal Pendulums. , 1995, , .		8
128	An invariant manifold approach to nonlinear normal modes of oscillation. Journal of Nonlinear Science, 1994, 4, 419-448.	2.1	41
129	Normal Modes of Vibration for Non-Linear Continuous Systems. Journal of Sound and Vibration, 1994, 169, 319-347.	3.9	221
130	The Dynamic Stability and Non-Linear Resonance of a Flexible Connecting Rod: Single-Mode Model. Journal of Sound and Vibration, 1994, 170, 25-49.	3.9	23
131	Chaotic And Periodic Dynamics Of A Slider-Crank Mechanism With Slider Clearance. Journal of Sound and Vibration, 1994, 177, 307-324.	3.9	87
132	Normal modes for large amplitude vibration of a cantilever beam. International Journal of Solids and Structures, 1994, 31, 1981-2014.	2.7	57
133	Normal Modes for Non-Linear Vibratory Systems. Journal of Sound and Vibration, 1993, 164, 85-124.	3.9	528
134	The dynamic stability and nonlinear resonance of a flexible connecting rod: Continuous parameter model. Nonlinear Dynamics, 1993, 4, 573-603.	5.2	13
135	Non-Linear Normal Modes, Invariance, and Modal Dynamics Approximations of Non-Linear Systems. , 1993, , .		2
136	Effects of Nonlinearities and Damping on the Dynamic Response of a Centrifugal Pendulum Vibration Absorber. Journal of Vibration and Acoustics, Transactions of the ASME, 1992, 114, 305-311.	1.6	17
137	APPLICATION OF GLOBAL METHODS FOR ANALYZING DYNAMICAL SYSTEMS TO SHIP ROLLING MOTION AND CAPSIZING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1992, 02, 101-115.	1.7	90
138	On ?roller-coaster? experiments for nonlinear oscillators. Nonlinear Dynamics, 1992, 3, 375-384.	5.2	11
139	Non-linear normal modes and invariant manifolds. Journal of Sound and Vibration, 1991, 150, 170-173.	3.9	285
140	Non-linear resonance of an unbalanced rotating shaft with internal damping. Journal of Sound and Vibration, 1991, 147, 435-451.	3.9	42
141	MODE LOCALIZATION DUE TO SYMMETRY-BREAKING NONLINEARITIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1991, 01, 471-475.	1.7	7
142	The effects of unbalance on oil whirl. Nonlinear Dynamics, 1990, 1, 293-311.	5.2	19
143	The experimental response of an impacting pendulum system. International Journal of Non-Linear Mechanics, 1990, 25, 1-16.	2.6	38
144	The Supression of Chaos in Periodically Forced Oscillators. , 1990, , 289-296.		3

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145	The Onset of Chaos in a Two-Degree-of-Freedom Impacting System. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1989, 56, 168-174.	2.2	70
146	The transition to chaos in a simple mechanical system. <i>International Journal of Non-Linear Mechanics</i> , 1989, 24, 41-56.	2.6	123
147	On the response of the non-linear vibration absorber. <i>International Journal of Non-Linear Mechanics</i> , 1989, 24, 281-293.	2.6	103
148	Instabilities and bifurcations in a rotating shaft. <i>Journal of Sound and Vibration</i> , 1989, 132, 227-244.	3.9	57
149	Chaotic dynamics of a slender beam rotating about its longitudinal axis. <i>Journal of Sound and Vibration</i> , 1988, 124, 329-343.	3.9	33
150	Chaotic dynamics of a whirling pendulum. <i>Physica D: Nonlinear Phenomena</i> , 1988, 31, 190-211.	2.8	25
151	The dynamic response of a centrifugal pendulum vibration absorber with motion-limiting stops. <i>Journal of Sound and Vibration</i> , 1988, 126, 221-235.	3.9	41
152	The Dynamic Response of a System With Preloaded Compliance. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1988, 110, 278-283.	1.6	3
153	Chaos and Three-Dimensional Horseshoes in Slowly Varying Oscillators. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1988, 55, 959-968.	2.2	45
154	Chaotic Motions of a Torsional Vibration Absorber. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1988, 55, 952-958.	2.2	32
155	A Method for the Improvement of Impact Printer Performance. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1988, 110, 528-532.	1.6	5
156	The Dynamics of an Impact Print Hammer. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1988, 110, 193-200.	1.6	49
157	On codimension-three bifurcations in the motion of articulated tubes conveying a fluid. <i>Physica D: Nonlinear Phenomena</i> , 1987, 24, 305-327.	2.8	18
158	Bifurcations of subharmonics. <i>Journal of Differential Equations</i> , 1986, 65, 304-320.	2.2	19
159	On the dynamic response of a system with dry friction. <i>Journal of Sound and Vibration</i> , 1986, 108, 305-325.	3.9	265
160	Forced vibrations of a beam with one-sided amplitude constraint: Theory and experiment. <i>Journal of Sound and Vibration</i> , 1985, 99, 199-212.	3.9	139
161	The Dynamics of a Harmonically Excited System Having Rigid Amplitude Constraints, Part 2: Chaotic Motions and Global Bifurcations. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1985, 52, 459-464.	2.2	88
162	The Dynamics of a Harmonically Excited System Having Rigid Amplitude Constraints, Part 1: Subharmonic Motions and Local Bifurcations. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1985, 52, 453-458.	2.2	193

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163	Arnold tongues and subharmonics in the forced oscillations of a mechanical clock. , 1985, , .		0
164	Chaotic vibrations of a beam with non-linear boundary conditions. International Journal of Non-Linear Mechanics, 1983, 18, 465-477.	2.6	213
165	A periodically forced piecewise linear oscillator. Journal of Sound and Vibration, 1983, 90, 129-155.	3.9	815
166	Periodically Forced Linear Oscillator with Impacts: Chaos and Long-Period Motions. Physical Review Letters, 1983, 51, 623-626.	7.8	131
167	A CAE Methodology for Reducing Rattle in Structural Components. , 0, , .		9
168	Torsional Vibration Absorbers: A Testing and Evaluation Apparatus. , 0, , .		3