Haiyan Hu

List of Publications by Year
in descending order

173 papers	4,854 citations	117625 34 h-index	133252 59 g-index
176 all docs	176 docs citations	176 times ranked	2303 citing authors

#	Article	IF	Citations
1	A Soft and Bistable Gripper with Adjustable Energy Barrier for Fast Capture in Space. Soft Robotics, 2023, 10, 77-87.	8.0	10
2	Design and analysis of a vibration isolation system with cam–roller–spring–rod mechanism. JVC/Journal of Vibration and Control, 2022, 28, 1781-1791.	2.6	16
3	Body-Freedom Flutter Suppression for a Flexible Flying-Wing Drone via Time-Delayed Control. Journal of Guidance, Control, and Dynamics, 2022, 45, 28-38.	2.8	5
4	Ultrawide bandgap in metamaterials via coupling of locally resonant and Bragg bandgaps. Acta Mechanica, 2022, 233, 477-493.	2.1	17
5	Data-driven modeling of transonic unsteady flows and efficient analysis of fluid–structure stability. Journal of Fluids and Structures, 2022, 111, 103549.	3.4	7
6	Machine learning-based active flutter suppression for a flexible flying-wing aircraft. Journal of Sound and Vibration, 2022, 529, 116916.	3.9	3
7	Efficient modeling and order reduction of new 3D beam elements with warping via absolute nodal coordinate formulation. Nonlinear Dynamics, 2022, 109, 2319-2354.	5.2	16
8	A condensed algorithm for adaptive component mode synthesis of viscoelastic flexible multibody dynamics. International Journal for Numerical Methods in Engineering, 2021, 122, 609-637.	2.8	10
9	Splitting of vibration mode in an imperfect submicron circular plate. Acta Mechanica, 2021, 232, 1729-1739.	2.1	3
10	Robust active suppression for body-freedom flutter of a flying-wing unmanned aerial vehicle. Journal of the Franklin Institute, 2021, 358, 2642-2660.	3.4	8
11	Nonsmooth spatial frictional contact dynamics of multibody systems. Multibody System Dynamics, 2021, 53, 1-27.	2.7	9
12	Dynamic computation of 2D segment-to-segment frictional contact for a flexible multibody system subject to large deformations. Mechanism and Machine Theory, 2021, 158, 104197.	4.5	10
13	Experimental Study on Wave Propagation in One-Dimensional Viscoelastic Metamaterial. Acta Mechanica Solida Sinica, 2021, 34, 597.	1.9	3
14	Analysis of elasto-plastic thin-shell structures using layered plastic modeling and absolute nodal coordinate formulation. Nonlinear Dynamics, 2021, 105, 2899-2920.	5.2	7
15	Sensitivity analysis of deployable flexible space structures with a large number of design parameters. Nonlinear Dynamics, 2021, 105, 2055-2079.	5.2	4
16	Dynamic computation of a tether-net system capturing a space target via discrete elastic rods and an energy-conserving integrator. Acta Astronautica, 2021, 186, 118-134.	3.2	12
17	Dynamic modeling, simulation and design of smart membrane systems driven by soft actuators of multilayer dielectric elastomers. Nonlinear Dynamics, 2020, 102, 1463-1483.	5.2	15
18	Ground experiment on rendezvous and docking with a spinning target using multistage control strategy. Aerospace Science and Technology, 2020, 104, 105967.	4.8	23

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19	An improved nonlinear reduced-order modeling for transonic aeroelastic systems. Journal of Fluids and Structures, 2020, 94, 102926.	3.4	19
20	Component-level proper orthogonal decomposition for flexible multibody systems. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112690.	6.6	13
21	Advances in dynamic modeling and simulation of soft machines. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 090006.	0.4	1
22	Isolating low-frequency vibration via lightweight embedded metastructures. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 090010.	0.4	4
23	Model order reduction based on successively local linearizations for flexible multibody dynamics. International Journal for Numerical Methods in Engineering, 2019, 118, 159-180.	2.8	18
24	Dynamic computation of 2D segment-to-segment frictionless contact for a flexible multibody system subject to large deformation. Mechanism and Machine Theory, 2019, 140, 350-376.	4.5	14
25	Parameterized Modeling Methodology for Efficient Aeroservoelastic Analysis of a Morphing Wing. AIAA Journal, 2019, 57, 5543-5552.	2.6	7
26	Axially variable-length solid element of absolute nodal coordinate formulation. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 653-663.	3.4	17
27	Topology optimization for eigenfrequencies of a rotating thin plate via moving morphable components. Journal of Sound and Vibration, 2019, 448, 83-107.	3.9	20
28	Preface to the special issue "NODYCON 2O19". Nonlinear Dynamics, 2019, 98, 2427-2434.	5.2	0
29	Maneuver load alleviation for high performance aircraft robust to flight condition variations. JVC/Journal of Vibration and Control, 2019, 25, 1044-1057.	2.6	3
30	Transonic flutter suppression for a three-dimensional elastic wing via active disturbance rejection control. Journal of Sound and Vibration, 2019, 445, 168-187.	3.9	15
31	Multiple Dynamic Response Patterns of Flexible Multibody Systems With Random Uncertain Parameters. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	5
32	Thermal Vibration of Carbon Nanostructures. , 2019, , 421-481.		1
33	Simulating coupled dynamics of a rigid-flexible multibody system and compressible fluid. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	9
34	Topology optimization of a flexible multibody system with variable-length bodies described by ALE–ANCF. Nonlinear Dynamics, 2018, 93, 413-441.	5.2	40
35	Removing Singularity of Orientation Description for Modeling and Controlling an Electrodynamic Tether. Journal of Guidance, Control, and Dynamics, 2018, 41, 764-769.	2.8	12
36	Topology Optimization of a Three-Dimensional Flexible Multibody System Via Moving Morphable Components. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	23

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37	Dynamics of flexible multibody systems with hybrid uncertain parameters. Mechanism and Machine Theory, 2018, 121, 128-147.	4.5	21
38	Three-Dimensional Topology Optimization of a Flexible Multibody System via Moving Morphable Components. , 2018, , 1529-1542.		1
39	Nonlinear Reduced-Order Models for Transonic Aeroelastic and Aeroservoelastic Problems. AIAA Journal, 2018, 56, 3718-3731.	2.6	24
40	Simultaneous topology and size optimization of a 3D variable-length structure described by the ALEâ€"ANCF. Mechanism and Machine Theory, 2018, 129, 80-105.	4.5	17
41	Thermal Vibration of Carbon Nanostructures. , 2018, , 1-61.		0
42	Distributed finite-time tracking for a team of planar flexible spacecraft. ISA Transactions, 2017, 69, 214-221.	5.7	15
43	Computational dynamics of soft machines. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 516-528.	3.4	11
44	A consistent multi-resolution smoothed particle hydrodynamics method. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 278-299.	6.6	40
45	Internal resonances and their bifurcations of a rigid-flexible space antenna. International Journal of Non-Linear Mechanics, 2017, 94, 160-173.	2.6	12
46	On-orbit assembly of a team of flexible spacecraft using potential field based method. Acta Astronautica, 2017, 133, 221-232.	3.2	45
47	Adaptive Maneuver Load Alleviation via Recurrent Neural Networks. Journal of Guidance, Control, and Dynamics, 2017, 40, 1824-1831.	2.8	6
48	Quasi-time-optimal controller design for a rigid-flexible multibody system via absolute coordinate-based formulation. Nonlinear Dynamics, 2017, 88, 623-633.	5.2	42
49	Soft Machines: Challenges to Computational Dynamics. Procedia IUTAM, 2017, 20, 10-17.	1.2	6
50	Nonlinear Vibration of a Heated Rectangular Thin Plate with Two Stick-slip-stop Boundaries. Procedia IUTAM, 2017, 22, 16-23.	1.2	0
51	Model order reduction for dynamic simulation of a flexible multibody system via absolute nodal coordinate formulation. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 573-594.	6.6	30
52	Design of an Active Disturbance Rejection Control for Transonic Flutter Suppression. Journal of Guidance, Control, and Dynamics, 2017, 40, 2905-2916.	2.8	21
53	Effect of delay combinations on stability and Hopf bifurcation of an oscillator with acceleration-derivative feedback. International Journal of Non-Linear Mechanics, 2017, 94, 392-399.	2.6	19
54	Passivity-based control with collision avoidance for a hub-beam spacecraft. Advances in Space Research, 2017, 59, 425-433.	2.6	26

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55	Topology optimization based on level set for a flexible multibody system modeled via ANCF. Structural and Multidisciplinary Optimization, 2017, 55, 1159-1177.	3.5	22
56	Reduced-Order Modeling of Unsteady Aerodynamics for an Elastic Wing with Control Surfaces. Journal of Aerospace Engineering, 2017, 30, 04016083.	1.4	17
57	Nonlinear primary resonance of a rigid-flexible space symmetric antenna. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 104608.	0.4	1
58	An efficient parallel algorithm for flexible multibody systems based on domain decomposition method. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 104603.	0.4	2
59	Deployment dynamics simulation and ground test of a large space hoop truss antenna reflector. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 104602.	0.4	2
60	Thermal buckling and natural vibration of a rectangular thin plate with in-plane stick-slip-stop boundaries. JVC/Journal of Vibration and Control, 2016, 22, 1950-1966.	2.6	8
61	Adaptive Flutter Suppression for a Fighter Wing via Recurrent Neural Networks over a Wide Transonic Range. International Journal of Aerospace Engineering, 2016, 2016, 1-9.	0.9	8
62	An efficient model reduction method for buckling analyses of thin shells based on IGA. Computer Methods in Applied Mechanics and Engineering, 2016, 309, 243-268.	6.6	26
63	Space Tether Deployment Control with Explicit Tension Constraint and Saturation Function. Journal of Guidance, Control, and Dynamics, 2016, 39, 916-921.	2.8	50
64	Model Predictive Control with Output Feedback for a Deorbiting Electrodynamic Tether System. Journal of Guidance, Control, and Dynamics, 2016, 39, 2455-2460.	2.8	34
65	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Form-Finding and Modal Analysis. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	36
66	Dynamics and Modal Analysis of Gyroelastic Body With Variable Speed Control Moment Gyroscopes. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	4
67	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Parallel Computation and Deployment Simulation1. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	33
68	Thermal vibration of a simply supported single-walled carbon nanotube with thermal stress. Acta Mechanica, 2016, 227, 1957-1967.	2.1	16
69	Three-dimensional deployment of electro-dynamic tether via tension and current control with constraints. Acta Astronautica, 2016, 129, 253-259.	3.2	27
70	Nonlinear dynamics and chaotic control of a flexible multibody system with uncertain joint clearance. Nonlinear Dynamics, 2016, 86, 1571-1597.	5.2	94
71	Structural optimization of flexible components in a flexible multibody system modeled via ANCF. Mechanism and Machine Theory, 2016, 104, 59-80.	4.5	41
72	Gust Load Alleviation on a Large Transport Airplane. Journal of Aircraft, 2016, 53, 1932-1946.	2.4	31

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73	Wind-Tunnel Tests for Active Flutter Control and Closed-Loop Flutter Identification. AIAA Journal, 2016, 54, 2089-2099.	2.6	30
74	Nonlinear static and dynamic analysis of hyper-elastic thin shells via the absolute nodal coordinate formulation. Nonlinear Dynamics, 2016, 85, 949-971.	5.2	37
75	Output consensus and collision avoidance of a team of flexible spacecraft for on-orbit autonomous assembly. Acta Astronautica, 2016, 121, 271-281.	3.2	69
76	New Design and Dynamic Analysis for Deploying Rolled Booms with Thin Wall. Journal of Spacecraft and Rockets, 2016, 53, 225-230.	1.9	3
77	Constrained tension control of a tethered space-tug system with only length measurement. Acta Astronautica, 2016, 119, 110-117.	3.2	85
78	Dynamics of spatial rigid–flexible multibody systems with uncertain interval parameters. Nonlinear Dynamics, 2016, 84, 527-548.	5.2	61
79	Dynamic fracture simulation of flexible multibody systems via coupled finite elements of ANCF and particles of SPH. Nonlinear Dynamics, 2016, 84, 2447-2465.	5.2	12
80	Tension control of space tether via online quasi-linearization iterations. Advances in Space Research, 2016, 57, 754-763.	2.6	22
81	Formation control of multi-robots for on-orbit assembly of large solar sails. Acta Astronautica, 2016, 123, 446-454.	3.2	19
82	Exponentially Convergent Velocity Observer for an Electrodynamic Tether in an Elliptical Orbit. Journal of Guidance, Control, and Dynamics, 2016, 39, 1113-1118.	2.8	12
83	Dynamic simulation of frictional multi-zone contacts of thin beams. Nonlinear Dynamics, 2016, 83, 1919-1937.	5.2	36
84	Experimental Studies on Finite Element Model Updating for a Heated Beam-Like Structure. Shock and Vibration, 2015, 2015, 1-15.	0.6	4
85	Design of active flutter suppression and wind-tunnel tests of a wing model involving a control delay. Journal of Fluids and Structures, 2015, 55, 409-427.	3.4	35
86	Three new triangular shell elements of ANCF represented by Bézier triangles. Multibody System Dynamics, 2015, 35, 321-351.	2.7	24
87	Dynamics of Space Deployable Structures. , 2015, , .		4
88	Thermal vibration of a circular single-layered graphene sheet with simply supported or clamped boundary. Journal of Sound and Vibration, 2015, 349, 206-215.	3.9	15
89	Open/Closed-Loop Aeroservoelastic Predictions via Nonlinear, Reduced-Order Aerodynamic Models. AIAA Journal, 2015, 53, 1812-1824.	2.6	27
90	Identification of temperature-dependent thermal–structural properties via finite element model updating and selection. Mechanical Systems and Signal Processing, 2015, 52-53, 147-161.	8.0	14

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91	Coupling dynamics of a geared multibody system supported by ElastoHydroDynamic lubricated cylindrical joints. Multibody System Dynamics, 2015, 33, 259-284.	2.7	81
92	Thermal vibration of a rectangular single-layered graphene sheet with quantum effects. Journal of Applied Physics, 2014, 115, 233515.	2.5	19
93	Thermal vibration of single-walled carbon nanotubes with quantum effects. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140087.	2.1	20
94	Active flutter suppression of a multiple-actuated-wing wind tunnel model. Chinese Journal of Aeronautics, 2014, 27, 1451-1460.	5.3	16
95	Dynamic simulation of liquid-filled flexible multibody systems via absolute nodal coordinate formulation and SPH method. Nonlinear Dynamics, 2014, 75, 653-671.	5.2	69
96	Efficient reduced-order modeling of unsteady aerodynamics robust to flight parameter variations. Journal of Fluids and Structures, 2014, 49, 728-741.	3.4	44
97	Dynamic simulation of frictional contacts of thin beams during large overall motions via absolute nodal coordinate formulation. Nonlinear Dynamics, 2014, 77, 1411-1425.	5.2	43
98	Nonlinear Reduced-Order Modeling for Multiple-Input/Multiple-Output Aerodynamic Systems. AIAA Journal, 2014, 52, 1219-1231.	2.6	43
99	Nonlinear aeroservoelastic analysis of a controlled multiple-actuated-wing model with free-play. Journal of Fluids and Structures, 2013, 42, 245-269.	3.4	21
100	Prediction of transient responses of a folding wing during the morphing process. Aerospace Science and Technology, 2013, 24, 89-94.	4.8	31
101	Dynamic analysis of membrane systems undergoing overall motions, large deformations and wrinkles via thin shell elements of ANCF. Computer Methods in Applied Mechanics and Engineering, 2013, 258, 81-95.	6.6	71
102	ElastoHydroDynamic lubricated cylindrical joints for rigid-flexible multibody dynamics. Computers and Structures, 2013, 114-115, 106-120.	4.4	124
103	Stabilization of traffic flow in optimal velocity model via delayed-feedback control. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 1027-1034.	3.3	55
104	Noise-induced Dynamics of Time-delayed Stochastic Systems. , 2013, , 265-307.		0
105	Measuring memory with the order of fractional derivative. Scientific Reports, 2013, 3, 3431.	3.3	289
106	New Method of Modeling Uncertainty for Robust Flutter Suppression. Journal of Aircraft, 2013, 50, 994-999.	2.4	13
107	Single-Input/Single-Output Adaptive Flutter Suppression of a Three-Dimensional Aeroelastic System. Journal of Guidance, Control, and Dynamics, 2012, 35, 659-665.	2.8	21
108	Symbolic computation of normal form for Hopf bifurcation in a neutral delay differential equation and an application to a controlled crane. Nonlinear Dynamics, 2012, 70, 463-473.	5.2	7

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109	New spatial curved beam and cylindrical shell elements of gradient-deficient Absolute Nodal Coordinate Formulation. Nonlinear Dynamics, 2012, 70, 1903-1918.	5.2	72
110	Designing active flutter suppression for high-dimensional aeroelastic systems involving a control delay. Journal of Fluids and Structures, 2012, 34, 33-50.	3.4	44
111	Simple formulations of imposing moments and evaluating joint reaction forces for rigid-flexible multibody systems. Nonlinear Dynamics, 2012, 69, 127-147.	5.2	27
112	Symbolic computation of normal form for Hopf bifurcation in a retarded functional differential equation with unknown parameters. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3328-3344.	3.3	2
113	Parameterized aeroelastic modeling and flutter analysis for a folding wing. Journal of Sound and Vibration, 2012, 331, 308-324.	3.9	40
114	Dynamics and control of a spatial rigid-flexible multibody system with multiple cylindrical clearance joints. Mechanism and Machine Theory, 2012, 52, 106-129.	4.5	104
115	Flutter control based on ultrasonic motor for a two-dimensional airfoil section. Journal of Fluids and Structures, 2012, 28, 89-102.	3.4	15
116	A ballistic-diffusive heat conduction model extracted from Boltzmann transport equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1851-1864.	2.1	28
117	Dynamics of a large scale rigid–flexible multibody system composed of composite laminated plates. Multibody System Dynamics, 2011, 26, 283-305.	2.7	134
118	Modal Analysis of a Rotating Thin Plate via Absolute Nodal Coordinate Formulation. Journal of Computational and Nonlinear Dynamics, 2011, 6, .	1.2	28
119	Global view of Hopf bifurcations of a van der Pol oscillator with delayed state feedback. Science China Technological Sciences, 2010, 53, 595-607.	4.0	8
120	Stability of a linear oscillator with damping force of the fractional-order derivative. Science China: Physics, Mechanics and Astronomy, 2010, 53, 345-352.	5.1	50
121	Group delay induced instabilities and Hopf bifurcations, of a controlled double pendulum. International Journal of Non-Linear Mechanics, 2010, 45, 442-452.	2.6	15
122	Thermal vibration of carbon nanotubes predicted by beam models and molecular dynamics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2325-2340.	2.1	34
123	Stability and Bifurcation Analysis of a Network of Four Neurons With Time Delays. Journal of Computational and Nonlinear Dynamics, 2010, 5, .	1.2	10
124	A new reduction-based LQ control for dynamic systems with a slowly time-varying delay. Acta Mechanica Sinica/Lixue Xuebao, 2009, 25, 529-537.	3.4	11
125	Costate estimation for dynamic systems of the second order. Science in China Series D: Earth Sciences, 2009, 52, 752-760.	0.9	3
126	Feedback control for retrieving an electro-dynamic tethered sub-satellite. Tsinghua Science and Technology, 2009, 14, 79-83.	6.1	3

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127	Flexural wave dispersion in multi-walled carbon nanotubes conveying fluids. Acta Mechanica Solida Sinica, 2009, 22, 623-629.	1.9	27
128	The Neuro-fuzzy Identification of MR Damper. , 2009, , .		7
129	Hierarchical fuzzy identification of MR damper. , 2009, , .		2
130	Stabilization of linear undamped systems via position and delayed position feedbacks. Journal of Sound and Vibration, 2008, 312, 509-525.	3.9	16
131	Using Model of Strain Gradient Membrane Shell to Characterize Longitudinal Wave Dispersion in Multi-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1980-1988.	0.4	4
132	STABILITY AND HOPF BIFURCATION OF A DELAYED NETWORK OF FOUR NEURONS WITH A SHORT-CUT CONNECTION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3053-3072.	1.7	12
133	Three-dimensional optimal deployment of a tethered subsatellite with an elastic tether. International Journal of Computer Mathematics, 2008, 85, 915-923.	1.8	13
134	Dynamics of a Duffing Oscillator With Two Time Delays in Feedback Control Under Narrow-Band Random Excitation. Journal of Computational and Nonlinear Dynamics, 2008, 3, .	1.2	7
135	Infinite-Horizon Control for Retrieving a Tethered Subsatellite via an Elastic Tether. Journal of Guidance, Control, and Dynamics, 2008, 31, 899-906.	2.8	18
136	Group velocity of wave propagation in carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 1423-1438.	2.1	39
137	Vibration Suppression of Flexible Beam with Delayed Boundary Feedback via Discrete-time Optimal Controller. , 2007, , .		1
138	Coherence and stochastic resonance in a delayed bistable system. Physica A: Statistical Mechanics and Its Applications, 2007, 382, 423-429.	2.6	34
139	Principal resonance of a Duffing oscillator with delayed state feedback under narrow-band random parametric excitation. Nonlinear Dynamics, 2007, 50, 213-227.	5.2	24
140	Primary Resonance of a Duffing Oscillator With Two Distinct Time Delays in State Feedback Under Narrow-Band Random Excitation. , 2007, , .		1
141	Validation of the non-local elastic shell model for studying longitudinal waves in single-walled carbon nanotubes. Nanotechnology, 2006, 17, 1408-1415.	2.6	78
142	Design, Testing and Modeling of a Magnetorheological Damper with Stepped Restoring Torque. Journal of Intelligent Material Systems and Structures, 2006, 17, 335-340.	2.5	4
143	DYNAMICS OF A TWO-DIMENSIONAL DELAYED SMALL-WORLD NETWORK UNDER DELAYED FEEDBACK CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3257-3273.	1.7	16
144	AN ENERGY ANALYSIS OF NONLINEAR OSCILLATORS WITH TIME-DELAYED COUPLING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2275-2292.	1.7	8

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145	Under-damped Oscillator with Cross-correlated Colored Noises Input Modulated by Periodic Signal. , 2006, , .		0
146	Nonlinear Stiffness of a Magneto-Rheological Damper. Nonlinear Dynamics, 2005, 40, 241-249.	5.2	45
147	HOPF BIFURCATION CONTROL OF DELAYED SYSTEMS WITH WEAK NONLINEARITY VIA DELAYED STATE FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1787-1799.	1.7	3
148	BIFURCATION ANALYSIS OF A DELAYED DYNAMIC SYSTEM VIA METHOD OF MULTIPLE SCALES AND SHOOTING TECHNIQUE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 425-450.	1.7	18
149	OPTIMAL FUZZY CONTROL OF A SEMI-ACTIVE SUSPENSION OF A FULL-VEHICLE MODEL USING MR DAMPERS. International Journal of Modern Physics B, 2005, 19, 1513-1519.	2.0	5
150	Dynamic Buckling of a Nano-Wire of Crystal Copper. International Journal of Nonlinear Sciences and Numerical Simulation, 2005, 6, .	1.0	0
151	Semi-Active Vibration Control for Wing Aileron Using Stepped Magneto-Rheological Damper. International Journal of Nonlinear Sciences and Numerical Simulation, 2005, 6, .	1.0	1
152	An Energy Analysis of Amplitude Death of a Pair of Oscillators With Delayed Coupling. , 2005, , 765.		0
153	Flexural wave propagation in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	453
154	Global Dynamics of a Duffing System with Delayed Velocity Feedback. , 2005, , 335-344.		4
155	OPTIMAL FUZZY CONTROL OF A SEMI-ACTIVE SUSPENSION OF A FULL-VEHICLE MODEL USING MR DAMPERS. , 2005, , .		0
156	DESIGN, TESTING AND MODELING OF A MAGNETORHEOLOGICAL DAMPER WITH STEPPED RESTORING TORQUE. , 2005, , .		0
157	Robust Hurwitz Stability Test for Linear Systems With Uncertain Commensurate Time Delays. IEEE Transactions on Automatic Control, 2004, 49, 1389-1393.	5.7	14
158	GLOBAL DYNAMICS OF A DUFFING OSCILLATOR WITH DELAYED DISPLACEMENT FEEDBACK. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2753-2775.	1.7	47
159	Remarks on the Perturbation Methods in Solving the Second-Order Delay Differential Equations. Nonlinear Dynamics, 2003, 33, 379-398.	5.2	34
160	Nonlinear dynamics of a planetary gear system with multiple clearances. Mechanism and Machine Theory, 2003, 38, 1371-1390.	4.5	129
161	Stability Analysis of Linear Delay Systems. , 2002, , 59-114.		1
162	Dynamics of Controlled Mechanical Systems with Delayed Feedback. , 2002, , .		216

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163	Bifurcation analysis of a nonlinear viscoelastic panel. European Journal of Mechanics, A/Solids, 2001, 20, 827-839.	3.7	2
164	Dimensional Reduction for Nonlinear Time-Delayed Systems Composed of Stiff and Soft Substructures. Nonlinear Dynamics, 2001, 25, 317-331.	5.2	13
165	Stability and Hopf Bifurcation of Four-Wheel-Steering Vehicles Involving Driver's Delay. Nonlinear Dynamics, 2000, 22, 361-374.	5.2	27
166	A study of chaotic motion in elastic cylindrical shells. European Journal of Mechanics, A/Solids, 1999, 18, 351-360.	3.7	10
167	Robust Stability Test for Dynamic Systems with Short Delays by Using PadÃ© Approximation. Nonlinear Dynamics, 1999, 18, 275-287.	5.2	29
168	Resonances of a Harmonically Forced Duffing Oscillator with Time Delay State Feedback. Nonlinear Dynamics, 1998, 15, 311-327.	5.2	166
169	Controlling chaos of a dynamical system with discontinuous vector field. Physica D: Nonlinear Phenomena, 1997, 106, 1-8.	2.8	18
170	Grazing Orbits and Related Local Bifurcations of an Oscillator with Continuous and Piecewise-Linear Restoring Force. Shock and Vibration, 1996, 3, 11-16.	0.6	0
171	Simulation complexities in the dynamics of a continuously piecewise-linear oscillator. Chaos, Solitons and Fractals, 1995, 5, 2201-2212.	5.1	11
172	Numerical scheme of locating the periodic response of non-smooth non-autonomous systems of high dimension. Computer Methods in Applied Mechanics and Engineering, 1995, 123, 53-62.	6.6	3
173	Wave Propagation in Carbon Nanotubes. , 0, , .		1