

Haiyan Hu

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162
papers

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54
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176
ext. papers

4,318
ext. citations

3.1
avg, IF

5.94
L-index

#	Paper	IF	Citations
162	Flexural wave propagation in single-walled carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	408
161	Measuring memory with the order of fractional derivative. <i>Scientific Reports</i> , 2013 , 3, 3431	4.9	195
160	Dynamics of Controlled Mechanical Systems with Delayed Feedback 2002 ,		170
159	Resonances of a Harmonically Forced Duffing Oscillator with Time Delay State Feedback. <i>Nonlinear Dynamics</i> , 1998 , 15, 311-327	5	144
158	Nonlinear dynamics of a planetary gear system with multiple clearances. <i>Mechanism and Machine Theory</i> , 2003 , 38, 1371-1390	4	104
157	ElastoHydroDynamic lubricated cylindrical joints for rigid-flexible multibody dynamics. <i>Computers and Structures</i> , 2013 , 114-115, 106-120	4.5	101
156	Dynamics of a large scale rigidflexible multibody system composed of composite laminated plates. <i>Multibody System Dynamics</i> , 2011 , 26, 283-305	2.8	97
155	Dynamics and control of a spatial rigid-flexible multibody system with multiple cylindrical clearance joints. <i>Mechanism and Machine Theory</i> , 2012 , 52, 106-129	4	90
154	Nonlinear dynamics and chaotic control of a flexible multibody system with uncertain joint clearance. <i>Nonlinear Dynamics</i> , 2016 , 86, 1571-1597	5	75
153	Coupling dynamics of a geared multibody system supported by ElastoHydroDynamic lubricated cylindrical joints. <i>Multibody System Dynamics</i> , 2015 , 33, 259-284	2.8	71
152	Constrained tension control of a tethered space-tug system with only length measurement. <i>Acta Astronautica</i> , 2016 , 119, 110-117	2.9	71
151	Validation of the non-local elastic shell model for studying longitudinal waves in single-walled carbon nanotubes. <i>Nanotechnology</i> , 2006 , 17, 1408-1415	3.4	70
150	Dynamic analysis of membrane systems undergoing overall motions, large deformations and wrinkles via thin shell elements of ANCF. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013 , 258, 81-95	5.7	52
149	New spatial curved beam and cylindrical shell elements of gradient-deficient Absolute Nodal Coordinate Formulation. <i>Nonlinear Dynamics</i> , 2012 , 70, 1903-1918	5	52
148	Output consensus and collision avoidance of a team of flexible spacecraft for on-orbit autonomous assembly. <i>Acta Astronautica</i> , 2016 , 121, 271-281	2.9	49
147	Dynamics of spatial rigidflexible multibody systems with uncertain interval parameters. <i>Nonlinear Dynamics</i> , 2016 , 84, 527-548	5	47
146	Dynamic simulation of liquid-filled flexible multibody systems via absolute nodal coordinate formulation and SPH method. <i>Nonlinear Dynamics</i> , 2014 , 75, 653-671	5	47

145	Stability of a linear oscillator with damping force of the fractional-order derivative. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 345-352	3.6	44
144	Stabilization of traffic flow in optimal velocity model via delayed-feedback control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 1027-1034	3.7	43
143	GLOBAL DYNAMICS OF A DUFFING OSCILLATOR WITH DELAYED DISPLACEMENT FEEDBACK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 2753-2775	2	43
142	Designing active flutter suppression for high-dimensional aeroelastic systems involving a control delay. <i>Journal of Fluids and Structures</i> , 2012 , 34, 33-50	3.1	41
141	Nonlinear Stiffness of a Magneto-Rheological Damper. <i>Nonlinear Dynamics</i> , 2005 , 40, 241-249	5	40
140	Space Tether Deployment Control with Explicit Tension Constraint and Saturation Function. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 916-921	2.1	39
139	Efficient reduced-order modeling of unsteady aerodynamics robust to flight parameter variations. <i>Journal of Fluids and Structures</i> , 2014 , 49, 728-741	3.1	37
138	Dynamic simulation of frictional contacts of thin beams during large overall motions via absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2014 , 77, 1411-1425	5	37
137	Group velocity of wave propagation in carbon nanotubes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008 , 464, 1423-1438	2.4	37
136	Dynamic simulation of frictional multi-zone contacts of thin beams. <i>Nonlinear Dynamics</i> , 2016 , 83, 1919-1937	5.37	33
135	Nonlinear Reduced-Order Modeling for Multiple-Input/Multiple-Output Aerodynamic Systems. <i>AIAA Journal</i> , 2014 , 52, 1219-1231	2.1	33
134	Thermal vibration of carbon nanotubes predicted by beam models and molecular dynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 2325-2340	2.4	33
133	Parameterized aeroelastic modeling and flutter analysis for a folding wing. <i>Journal of Sound and Vibration</i> , 2012 , 331, 308-324	3.9	32
132	Structural optimization of flexible components in a flexible multibody system modeled via ANCF. <i>Mechanism and Machine Theory</i> , 2016 , 104, 59-80	4	31
131	Coherence and stochastic resonance in a delayed bistable system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 382, 423-429	3.3	31
130	A consistent multi-resolution smoothed particle hydrodynamics method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 324, 278-299	5.7	30
129	Design of active flutter suppression and wind-tunnel tests of a wing model involving a control delay. <i>Journal of Fluids and Structures</i> , 2015 , 55, 409-427	3.1	30
128	On-orbit assembly of a team of flexible spacecraft using potential field based method. <i>Acta Astronautica</i> , 2017 , 133, 221-232	2.9	29

127	Remarks on the Perturbation Methods in Solving the Second-Order Delay Differential Equations. <i>Nonlinear Dynamics</i> , 2003 , 33, 379-398	5	29
126	Flexural wave dispersion in multi-walled carbon nanotubes conveying fluids. <i>Acta Mechanica Sinica</i> , 2009 , 22, 623-629	2	27
125	Prediction of transient responses of a folding wing during the morphing process. <i>Aerospace Science and Technology</i> , 2013 , 24, 89-94	4.9	26
124	Quasi-time-optimal controller design for a rigid-flexible multibody system via absolute coordinate-based formulation. <i>Nonlinear Dynamics</i> , 2017 , 88, 623-633	5	25
123	Robust Stability Test for Dynamic Systems with Short Delays by Using Padé Approximation. <i>Nonlinear Dynamics</i> , 1999 , 18, 275-287	5	25
122	Open/Closed-Loop Aeroservoelastic Predictions via Nonlinear, Reduced-Order Aerodynamic Models. <i>AIAA Journal</i> , 2015 , 53, 1812-1824	2.1	24
121	Model Predictive Control with Output Feedback for a Deorbiting Electrodynamic Tether System. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 2455-2460	2.1	24
120	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Parallel Computation and Deployment Simulation ¹ . <i>Journal of Computational and Nonlinear Dynamics</i> , 2016 , 11,	1.4	24
119	Wind-Tunnel Tests for Active Flutter Control and Closed-Loop Flutter Identification. <i>AIAA Journal</i> , 2016 , 54, 2089-2099	2.1	23
118	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Form-Finding and Modal Analysis. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016 , 11,	1.4	23
117	Nonlinear static and dynamic analysis of hyper-elastic thin shells via the absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2016 , 85, 949-971	5	22
116	Principal resonance of a Duffing oscillator with delayed state feedback under narrow-band random parametric excitation. <i>Nonlinear Dynamics</i> , 2007 , 50, 213-227	5	22
115	Simple formulations of imposing moments and evaluating joint reaction forces for rigid-flexible multibody systems. <i>Nonlinear Dynamics</i> , 2012 , 69, 127-147	5	21
114	A ballistic-diffusive heat conduction model extracted from Boltzmann transport equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011 , 467, 1851-1864 ^{2.4}	2.4	21
113	Modal Analysis of a Rotating Thin Plate via Absolute Nodal Coordinate Formulation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2011 , 6,	1.4	21
112	Stability and Hopf Bifurcation of Four-Wheel-Steering Vehicles Involving Driver's Delay. <i>Nonlinear Dynamics</i> , 2000 , 22, 361-374	5	21
111	Topology optimization of a flexible multibody system with variable-length bodies described by ALE-NCF. <i>Nonlinear Dynamics</i> , 2018 , 93, 413-441	5	20
110	Model order reduction for dynamic simulation of a flexible multibody system via absolute nodal coordinate formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017 , 324, 573-594	5.7	20

109	Three-dimensional deployment of electro-dynamic tether via tension and current control with constraints. <i>Acta Astronautica</i> , 2016 , 129, 253-259	2.9	20
108	Nonlinear Reduced-Order Models for Transonic Aeroelastic and Aeroservoelastic Problems. <i>AIAA Journal</i> , 2018 , 56, 3718-3731	2.1	20
107	Tension control of space tether via online quasi-linearization iterations. <i>Advances in Space Research</i> , 2016 , 57, 754-763	2.4	19
106	Three new triangular shell elements of ANCF represented by Břzier triangles. <i>Multibody System Dynamics</i> , 2015 , 35, 321-351	2.8	19
105	Gust Load Alleviation on a Large Transport Airplane. <i>Journal of Aircraft</i> , 2016 , 53, 1932-1946	1.6	18
104	Nonlinear aeroservoelastic analysis of a controlled multiple-actuated-wing model with free-play. <i>Journal of Fluids and Structures</i> , 2013 , 42, 245-269	3.1	18
103	Passivity-based control with collision avoidance for a hub-beam spacecraft. <i>Advances in Space Research</i> , 2017 , 59, 425-433	2.4	18
102	Thermal vibration of a rectangular single-layered graphene sheet with quantum effects. <i>Journal of Applied Physics</i> , 2014 , 115, 233515	2.5	18
101	Thermal vibration of single-walled carbon nanotubes with quantum effects. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014 , 470, 20140087	2.4	18
100	Single-Input/Single-Output Adaptive Flutter Suppression of a Three-Dimensional Aeroelastic System. <i>Journal of Guidance, Control, and Dynamics</i> , 2012 , 35, 659-665	2.1	18
99	Controlling chaos of a dynamical system with discontinuous vector field. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 106, 1-8	3.3	17
98	An efficient model reduction method for buckling analyses of thin shells based on IGA. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 309, 243-268	5.7	17
97	Dynamics of flexible multibody systems with hybrid uncertain parameters. <i>Mechanism and Machine Theory</i> , 2018 , 121, 128-147	4	17
96	Design of an Active Disturbance Rejection Control for Transonic Flutter Suppression. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 2905-2916	2.1	16
95	Infinite-Horizon Control for Retrieving a Tethered Subsatellite via an Elastic Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2008 , 31, 899-906	2.1	16
94	BIFURCATION ANALYSIS OF A DELAYED DYNAMIC SYSTEM VIA METHOD OF MULTIPLE SCALES AND SHOOTING TECHNIQUE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 425-450	2	16
93	Thermal vibration of a simply supported single-walled carbon nanotube with thermal stress. <i>Acta Mechanica</i> , 2016 , 227, 1957-1967	2.1	16
92	Thermal vibration of a circular single-layered graphene sheet with simply supported or clamped boundary. <i>Journal of Sound and Vibration</i> , 2015 , 349, 206-215	3.9	15

91	Topology Optimization of a Three-Dimensional Flexible Multibody System Via Moving Morphable Components. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018 , 13,	1.4	15
90	Formation control of multi-robots for on-orbit assembly of large solar sails. <i>Acta Astronautica</i> , 2016 , 123, 446-454	2.9	15
89	Topology optimization based on level set for a flexible multibody system modeled via ANCF. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 55, 1159-1177	3.6	15
88	Stabilization of linear undamped systems via position and delayed position feedbacks. <i>Journal of Sound and Vibration</i> , 2008 , 312, 509-525	3.9	15
87	Effect of delay combinations on stability and Hopf bifurcation of an oscillator with acceleration-derivative feedback. <i>International Journal of Non-Linear Mechanics</i> , 2017 , 94, 392-399	2.8	14
86	Reduced-Order Modeling of Unsteady Aerodynamics for an Elastic Wing with Control Surfaces. <i>Journal of Aerospace Engineering</i> , 2017 , 30, 04016083	1.4	14
85	DYNAMICS OF A TWO-DIMENSIONAL DELAYED SMALL-WORLD NETWORK UNDER DELAYED FEEDBACK CONTROL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 3257-3273	2	14
84	Flutter control based on ultrasonic motor for a two-dimensional airfoil section. <i>Journal of Fluids and Structures</i> , 2012 , 28, 89-102	3.1	13
83	Identification of temperature-dependent thermal-structural properties via finite element model updating and selection. <i>Mechanical Systems and Signal Processing</i> , 2015 , 52-53, 147-161	7.8	12
82	Exponentially Convergent Velocity Observer for an Electrodynamics Tether in an Elliptical Orbit. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 1113-1118	2.1	12
81	Simultaneous topology and size optimization of a 3D variable-length structure described by the ALE-ANCF. <i>Mechanism and Machine Theory</i> , 2018 , 129, 80-105	4	12
80	Active flutter suppression of a multiple-actuated-wing wind tunnel model. <i>Chinese Journal of Aeronautics</i> , 2014 , 27, 1451-1460	3.7	12
79	Group delay induced instabilities and Hopf bifurcations, of a controlled double pendulum. <i>International Journal of Non-Linear Mechanics</i> , 2010 , 45, 442-452	2.8	12
78	Topology optimization for eigenfrequencies of a rotating thin plate via moving morphable components. <i>Journal of Sound and Vibration</i> , 2019 , 448, 83-107	3.9	11
77	An improved nonlinear reduced-order modeling for transonic aeroelastic systems. <i>Journal of Fluids and Structures</i> , 2020 , 94, 102926	3.1	11
76	New Method of Modeling Uncertainty for Robust Flutter Suppression. <i>Journal of Aircraft</i> , 2013 , 50, 994-999		11
75	STABILITY AND HOPF BIFURCATION OF A DELAYED NETWORK OF FOUR NEURONS WITH A SHORT-CUT CONNECTION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 3053-3072	2	11
74	Robust Hurwitz stability test for linear systems with uncertain commensurate time delays. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1389-1393	5.9	11

73	Distributed finite-time tracking for a team of planar flexible spacecraft. <i>ISA Transactions</i> , 2017 , 69, 214-224	3.4	10
72	Dynamic fracture simulation of flexible multibody systems via coupled finite elements of ANCF and particles of SPH. <i>Nonlinear Dynamics</i> , 2016 , 84, 2447-2465	5	10
71	Stability and Bifurcation Analysis of a Network of Four Neurons With Time Delays. <i>Journal of Computational and Nonlinear Dynamics</i> , 2010 , 5,	1.4	10
70	A new reduction-based LQ control for dynamic systems with a slowly time-varying delay. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009 , 25, 529-537	2	10
69	Three-dimensional optimal deployment of a tethered subsatellite with an elastic tether. <i>International Journal of Computer Mathematics</i> , 2008 , 85, 915-923	1.2	10
68	Dimensional Reduction for Nonlinear Time-Delayed Systems Composed of Stiff and Soft Substructures. <i>Nonlinear Dynamics</i> , 2001 , 25, 317-331	5	10
67	Transonic flutter suppression for a three-dimensional elastic wing via active disturbance rejection control. <i>Journal of Sound and Vibration</i> , 2019 , 445, 168-187	3.9	10
66	Axially variable-length solid element of absolute nodal coordinate formulation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019 , 35, 653-663	2	9
65	Ground experiment on rendezvous and docking with a spinning target using multistage control strategy. <i>Aerospace Science and Technology</i> , 2020 , 104, 105967	4.9	9
64	Removing Singularity of Orientation Description for Modeling and Controlling an Electrodynamic Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 764-769	2.1	8
63	Global view of Hopf bifurcations of a van der Pol oscillator with delayed state feedback. <i>Science China Technological Sciences</i> , 2010 , 53, 595-607	3.5	8
62	AN ENERGY ANALYSIS OF NONLINEAR OSCILLATORS WITH TIME-DELAYED COUPLING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 2275-2292	2	8
61	Simulation complexities in the dynamics of a continuously piecewise-linear oscillator. <i>Chaos, Solitons and Fractals</i> , 1995 , 5, 2201-2212	9.3	8
60	Internal resonances and their bifurcations of a rigid-flexible space antenna. <i>International Journal of Non-Linear Mechanics</i> , 2017 , 94, 160-173	2.8	7
59	Thermal buckling and natural vibration of a rectangular thin plate with in-plane stick-slip-stop boundaries. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 1950-1966	2	7
58	Component-level proper orthogonal decomposition for flexible multibody systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 361, 112690	5.7	7
57	Simulating coupled dynamics of a rigid-flexible multibody system and compressible fluid. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3.6	7
56	A study of chaotic motion in elastic cylindrical shells. <i>European Journal of Mechanics, A/Solids</i> , 1999 , 18, 351-360	3.7	7

55	Computational dynamics of soft machines. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017 , 33, 516-528	2	6
54	Dynamic computation of 2D segment-to-segment frictionless contact for a flexible multibody system subject to large deformation. <i>Mechanism and Machine Theory</i> , 2019 , 140, 350-376	4	6
53	Dynamic modeling, simulation and design of smart membrane systems driven by soft actuators of multilayer dielectric elastomers. <i>Nonlinear Dynamics</i> , 2020 , 102, 1463-1483	5	6
52	Soft Machines: Challenges to Computational Dynamics. <i>Procedia IUTAM</i> , 2017 , 20, 10-17		5
51	Symbolic computation of normal form for Hopf bifurcation in a neutral delay differential equation and an application to a controlled crane. <i>Nonlinear Dynamics</i> , 2012 , 70, 463-473	5	5
50	Dynamics of a Duffing Oscillator With Two Time Delays in Feedback Control Under Narrow-Band Random Excitation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2008 , 3,	1.4	5
49	OPTIMAL FUZZY CONTROL OF A SEMI-ACTIVE SUSPENSION OF A FULL-VEHICLE MODEL USING MR DAMPERS. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1513-1519	1.1	5
48	Adaptive Maneuver Load Alleviation via Recurrent Neural Networks. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1824-1831	2.1	4
47	Experimental Studies on Finite Element Model Updating for a Heated Beam-Like Structure. <i>Shock and Vibration</i> , 2015 , 2015, 1-15	1.1	4
46	Dynamics of Space Deployable Structures 2015 ,		4
45	Adaptive Flutter Suppression for a Fighter Wing via Recurrent Neural Networks over a Wide Transonic Range. <i>International Journal of Aerospace Engineering</i> , 2016 , 2016, 1-9	0.9	4
44	Multiple Dynamic Response Patterns of Flexible Multibody Systems With Random Uncertain Parameters. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019 , 14,	1.4	4
43	Model order reduction based on successively local linearizations for flexible multibody dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 118, 159	2.4	4
42	Parameterized Modeling Methodology for Efficient Aeroservoelastic Analysis of a Morphing Wing. <i>AIAA Journal</i> , 2019 , 57, 5543-5552	2.1	3
41	Feedback control for retrieving an electro-dynamic tethered sub-satellite. <i>Tsinghua Science and Technology</i> , 2009 , 14, 79-83	3.4	3
40	The Neuro-fuzzy Identification of MR Damper 2009 ,		3
39	Using Model of Strain Gradient Membrane Shell to Characterize Longitudinal Wave Dispersion in Multi-Walled Carbon Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008 , 5, 1980-1988	0.3	3
38	Design, Testing and Modeling of a Magnetorheological Damper with Stepped Restoring Torque. <i>Journal of Intelligent Material Systems and Structures</i> , 2006 , 17, 335-340	2.3	3

37	HOPF BIFURCATION CONTROL OF DELAYED SYSTEMS WITH WEAK NONLINEARITY VIA DELAYED STATE FEEDBACK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 1787-1799	2	3
36	Numerical scheme of locating the periodic response of non-smooth non-autonomous systems of high dimension. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1995 , 123, 53-62	5-7	3
35	Robust active suppression for body-freedom flutter of a flying-wing unmanned aerial vehicle. <i>Journal of the Franklin Institute</i> , 2021 , 358, 2642-2660	4	3
34	Dynamic computation of 2D segment-to-segment frictional contact for a flexible multibody system subject to large deformations. <i>Mechanism and Machine Theory</i> , 2021 , 158, 104197	4	3
33	Maneuver load alleviation for high performance aircraft robust to flight condition variations. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 1044-1057	2	3
32	A condensed algorithm for adaptive component mode synthesis of viscoelastic flexible multibody dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 609-637	2-4	3
31	Design and analysis of a vibration isolation system with cam-follower-spring-damper mechanism. <i>JVC/Journal of Vibration and Control</i> , 107754632110005	2	3
30	Global Dynamics of a Duffing System with Delayed Velocity Feedback 2005 , 335-344		3
29	Symbolic computation of normal form for Hopf bifurcation in a retarded functional differential equation with unknown parameters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3328-3344	3-7	2
28	Costate estimation for dynamic systems of the second order. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 752-760		2
27	Hierarchical fuzzy identification of MR damper 2009 ,		2
26	Bifurcation analysis of a nonlinear viscoelastic panel. <i>European Journal of Mechanics, A/Solids</i> , 2001 , 20, 827-839	3-7	2
25	Deployment dynamics simulation and ground test of a large space hoop truss antenna reflector. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2017 , 47, 104602	1-5	2
24	Nonsmooth spatial frictional contact dynamics of multibody systems. <i>Multibody System Dynamics</i> , 2021 , 53, 1-27	2-8	2
23	Splitting of vibration mode in an imperfect submicron circular plate. <i>Acta Mechanica</i> , 2021 , 232, 1729-1739		2
22	Dynamic computation of a tether-net system capturing a space target via discrete elastic rods and an energy-conserving integrator. <i>Acta Astronautica</i> , 2021 , 186, 118-134	2-9	2
21	New Design and Dynamic Analysis for Deploying Rolled Booms with Thin Wall. <i>Journal of Spacecraft and Rockets</i> , 2016 , 53, 225-230	1-5	1
20	Wave Propagation in Carbon Nanotubes 2010 ,		1

19	Vibration Suppression of Flexible Beam with Delayed Boundary Feedback via Discrete-time Optimal Controller 2007 ,		1
18	Semi-Active Vibration Control for Wing Aileron Using Stepped Magneto-Rheological Damper. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2005 , 6,	1.8	1
17	Ultrawide bandgap in metamaterials via coupling of locally resonant and Bragg bandgaps. <i>Acta Mechanica</i> , 2022 , 233, 477	2.1	1
16	Body-Freedom Flutter Suppression for a Flexible Flying-Wing Drone via Time-Delayed Control. <i>Journal of Guidance, Control, and Dynamics</i> , 1-11	2.1	1
15	Dynamic Control and Ground-Based Experiments of a Tethered Satellite System 2013 , 375-386		1
14	Experimental Study on Wave Propagation in One-Dimensional Viscoelastic Metamaterial. <i>Acta Mechanica Solida Sinica</i> , 2021 , 34, 597	2	1
13	Dynamics and Modal Analysis of Gyroelastic Body With Variable Speed Control Moment Gyroscopes. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016 , 11,	1.4	1
12	Analysis of elasto-plastic thin-shell structures using layered plastic modeling and absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2021 , 105, 2899-2920	5	0
11	Sensitivity analysis of deployable flexible space structures with a large number of design parameters. <i>Nonlinear Dynamics</i> , 2021 , 105, 2055-2079	5	0
10	Nonlinear Vibration of a Heated Rectangular Thin Plate with Two Stick-slip-stop Boundaries. <i>Procedia IUTAM</i> , 2017 , 22, 16-23		
9	Noise-induced Dynamics of Time-delayed Stochastic Systems 2013 , 265-307		
8	An Energy Analysis of Amplitude Death of a Pair of Oscillators With Delayed Coupling 2005 , 765		
7	Thermal Vibration of Carbon Nanostructures 2018 , 1-61		
6	Thermal Vibration of Carbon Nanostructures 2019 , 421-481		
5	Grazing Orbits and Related Local Bifurcations of an Oscillator with Continuous and Piecewise-Linear Restoring Force. <i>Shock and Vibration</i> , 1996 , 3, 11-16	1.1	
4	Preface to the special issue "ODYCON 2019" <i>Nonlinear Dynamics</i> , 2019 , 98, 2427-2434	5	
3	Three-Dimensional Topology Optimization of a Flexible Multibody System via Moving Morphable Components 2018 , 1529-1542		
2	Data-driven modeling of transonic unsteady flows and efficient analysis of fluid-structure stability. <i>Journal of Fluids and Structures</i> , 2022 , 111, 103549	3.1	

- 1 Machine learning-based active flutter suppression for a flexible flying-wing aircraft. *Journal of Sound and Vibration*, **2022**, 529, 116916 3.9