

Haiyan Hu

List of Publications by Year in descending order

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173
papers

4,854
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117625

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all docs

176
docs citations

176
times ranked

2303
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexural wave propagation in single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	453
2	Measuring memory with the order of fractional derivative. <i>Scientific Reports</i> , 2013, 3, 3431.	3.3	289
3	Dynamics of Controlled Mechanical Systems with Delayed Feedback. , 2002, , .		216
4	Resonances of a Harmonically Forced Duffing Oscillator with Time Delay State Feedback. <i>Nonlinear Dynamics</i> , 1998, 15, 311-327.	5.2	166
5	Dynamics of a large scale rigid-flexible multibody system composed of composite laminated plates. <i>Multibody System Dynamics</i> , 2011, 26, 283-305.	2.7	134
6	Nonlinear dynamics of a planetary gear system with multiple clearances. <i>Mechanism and Machine Theory</i> , 2003, 38, 1371-1390.	4.5	129
7	ElastoHydroDynamic lubricated cylindrical joints for rigid-flexible multibody dynamics. <i>Computers and Structures</i> , 2013, 114-115, 106-120.	4.4	124
8	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.	4.5	104
9	Nonlinear dynamics and chaotic control of a flexible multibody system with uncertain joint clearance. <i>Nonlinear Dynamics</i> , 2016, 86, 1571-1597.	5.2	94
10	Constrained tension control of a tethered space-tug system with only length measurement. <i>Acta Astronautica</i> , 2016, 119, 110-117.	3.2	85
11	Coupling dynamics of a geared multibody system supported by ElastoHydroDynamic lubricated cylindrical joints. <i>Multibody System Dynamics</i> , 2015, 33, 259-284.	2.7	81
12	Validation of the non-local elastic shell model for studying longitudinal waves in single-walled carbon nanotubes. <i>Nanotechnology</i> , 2006, 17, 1408-1415.	2.6	78
13	New spatial curved beam and cylindrical shell elements of gradient-deficient Absolute Nodal Coordinate Formulation. <i>Nonlinear Dynamics</i> , 2012, 70, 1903-1918.	5.2	72
14	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.	6.6	71
15	Dynamic simulation of liquid-filled flexible multibody systems via absolute nodal coordinate formulation and SPH method. <i>Nonlinear Dynamics</i> , 2014, 75, 653-671.	5.2	69
16	Output consensus and collision avoidance of a team of flexible spacecraft for on-orbit autonomous assembly. <i>Acta Astronautica</i> , 2016, 121, 271-281.	3.2	69
17	Dynamics of spatial rigid-flexible multibody systems with uncertain interval parameters. <i>Nonlinear Dynamics</i> , 2016, 84, 527-548.	5.2	61
18	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.	3.3	55

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19	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.	5.1	50
20	Space Tether Deployment Control with Explicit Tension Constraint and Saturation Function. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 916-921.	2.8	50
21	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.	1.7	47
22	Nonlinear Stiffness of a Magneto-Rheological Damper. <i>Nonlinear Dynamics</i> , 2005, 40, 241-249.	5.2	45
23	On-orbit assembly of a team of flexible spacecraft using potential field based method. <i>Acta Astronautica</i> , 2017, 133, 221-232.	3.2	45
24	Designing active flutter suppression for high-dimensional aeroelastic systems involving a control delay. <i>Journal of Fluids and Structures</i> , 2012, 34, 33-50.	3.4	44
25	Efficient reduced-order modeling of unsteady aerodynamics robust to flight parameter variations. <i>Journal of Fluids and Structures</i> , 2014, 49, 728-741.	3.4	44
26	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.	5.2	43
27	Nonlinear Reduced-Order Modeling for Multiple-Input/Multiple-Output Aerodynamic Systems. <i>AIAA Journal</i> , 2014, 52, 1219-1231.	2.6	43
28	Quasi-time-optimal controller design for a rigid-flexible multibody system via absolute coordinate-based formulation. <i>Nonlinear Dynamics</i> , 2017, 88, 623-633.	5.2	42
29	Structural optimization of flexible components in a flexible multibody system modeled via ANCF. <i>Mechanism and Machine Theory</i> , 2016, 104, 59-80.	4.5	41
30	Parameterized aeroelastic modeling and flutter analysis for a folding wing. <i>Journal of Sound and Vibration</i> , 2012, 331, 308-324.	3.9	40
31	A consistent multi-resolution smoothed particle hydrodynamics method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 324, 278-299.	6.6	40
32	Topology optimization of a flexible multibody system with variable-length bodies described by ALE-ANCF. <i>Nonlinear Dynamics</i> , 2018, 93, 413-441.	5.2	40
33	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.	2.1	39
34	Nonlinear static and dynamic analysis of hyper-elastic thin shells via the absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2016, 85, 949-971.	5.2	37
35	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Form-Finding and Modal Analysis. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	1.2	36
36	Dynamic simulation of frictional multi-zone contacts of thin beams. <i>Nonlinear Dynamics</i> , 2016, 83, 1919-1937.	5.2	36

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37	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.	3.4	35
38	Remarks on the Perturbation Methods in Solving the Second-Order Delay Differential Equations. <i>Nonlinear Dynamics</i> , 2003, 33, 379-398.	5.2	34
39	Coherence and stochastic resonance in a delayed bistable system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 382, 423-429.	2.6	34
40	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.	2.1	34
41	Model Predictive Control with Output Feedback for a Deorbiting Electrodynamic Tether System. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 2455-2460.	2.8	34
42	Dynamics of a Deployable Mesh Reflector of Satellite Antenna: Parallel Computation and Deployment Simulation1. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	1.2	33
43	Prediction of transient responses of a folding wing during the morphing process. <i>Aerospace Science and Technology</i> , 2013, 24, 89-94.	4.8	31
44	Gust Load Alleviation on a Large Transport Airplane. <i>Journal of Aircraft</i> , 2016, 53, 1932-1946.	2.4	31
45	Wind-Tunnel Tests for Active Flutter Control and Closed-Loop Flutter Identification. <i>AIAA Journal</i> , 2016, 54, 2089-2099.	2.6	30
46	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.	6.6	30
47	Robust Stability Test for Dynamic Systems with Short Delays by Using Padé Approximation. <i>Nonlinear Dynamics</i> , 1999, 18, 275-287.	5.2	29
48	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.	2.1	28
49	Modal Analysis of a Rotating Thin Plate via Absolute Nodal Coordinate Formulation. <i>Journal of Computational and Nonlinear Dynamics</i> , 2011, 6, .	1.2	28
50	Stability and Hopf Bifurcation of Four-Wheel-Steering Vehicles Involving Driver's Delay. <i>Nonlinear Dynamics</i> , 2000, 22, 361-374.	5.2	27
51	Flexural wave dispersion in multi-walled carbon nanotubes conveying fluids. <i>Acta Mechanica Sinica</i> , 2009, 22, 623-629.	1.9	27
52	Simple formulations of imposing moments and evaluating joint reaction forces for rigid-flexible multibody systems. <i>Nonlinear Dynamics</i> , 2012, 69, 127-147.	5.2	27
53	Open/Closed-Loop Aeroservoelastic Predictions via Nonlinear, Reduced-Order Aerodynamic Models. <i>AIAA Journal</i> , 2015, 53, 1812-1824.	2.6	27
54	Three-dimensional deployment of electro-dynamic tether via tension and current control with constraints. <i>Acta Astronautica</i> , 2016, 129, 253-259.	3.2	27

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55	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.	6.6	26
56	Passivity-based control with collision avoidance for a hub-beam spacecraft. <i>Advances in Space Research</i> , 2017, 59, 425-433.	2.6	26
57	Principal resonance of a Duffing oscillator with delayed state feedback under narrow-band random parametric excitation. <i>Nonlinear Dynamics</i> , 2007, 50, 213-227.	5.2	24
58	Three new triangular shell elements of ANCF represented by BÄ©zier triangles. <i>Multibody System Dynamics</i> , 2015, 35, 321-351.	2.7	24
59	Nonlinear Reduced-Order Models for Transonic Aeroelastic and Aeroservoelastic Problems. <i>AIAA Journal</i> , 2018, 56, 3718-3731.	2.6	24
60	Topology Optimization of a Three-Dimensional Flexible Multibody System Via Moving Morphable Components. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	23
61	Ground experiment on rendezvous and docking with a spinning target using multistage control strategy. <i>Aerospace Science and Technology</i> , 2020, 104, 105967.	4.8	23
62	Tension control of space tether via online quasi-linearization iterations. <i>Advances in Space Research</i> , 2016, 57, 754-763.	2.6	22
63	Topology optimization based on level set for a flexible multibody system modeled via ANCF. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 1159-1177.	3.5	22
64	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.	2.8	21
65	Nonlinear aeroservoelastic analysis of a controlled multiple-actuated-wing model with free-play. <i>Journal of Fluids and Structures</i> , 2013, 42, 245-269.	3.4	21
66	Design of an Active Disturbance Rejection Control for Transonic Flutter Suppression. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 2905-2916.	2.8	21
67	Dynamics of flexible multibody systems with hybrid uncertain parameters. <i>Mechanism and Machine Theory</i> , 2018, 121, 128-147.	4.5	21
68	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.	2.1	20
69	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	20
70	Thermal vibration of a rectangular single-layered graphene sheet with quantum effects. <i>Journal of Applied Physics</i> , 2014, 115, 233515.	2.5	19
71	Formation control of multi-robots for on-orbit assembly of large solar sails. <i>Acta Astronautica</i> , 2016, 123, 446-454.	3.2	19
72	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.	2.6	19

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73	An improved nonlinear reduced-order modeling for transonic aeroelastic systems. <i>Journal of Fluids and Structures</i> , 2020, 94, 102926.	3.4	19
74	Controlling chaos of a dynamical system with discontinuous vector field. <i>Physica D: Nonlinear Phenomena</i> , 1997, 106, 1-8.	2.8	18
75	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.	1.7	18
76	Infinite-Horizon Control for Retrieving a Tethered Subsatellite via an Elastic Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2008, 31, 899-906.	2.8	18
77	Model order reduction based on successively local linearizations for flexible multibody dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 118, 159-180.	2.8	18
78	Reduced-Order Modeling of Unsteady Aerodynamics for an Elastic Wing with Control Surfaces. <i>Journal of Aerospace Engineering</i> , 2017, 30, 04016083.	1.4	17
79	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.	4.5	17
80	Axially variable-length solid element of absolute nodal coordinate formulation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 653-663.	3.4	17
81	Ultrawide bandgap in metamaterials via coupling of locally resonant and Bragg bandgaps. <i>Acta Mechanica</i> , 2022, 233, 477-493.	2.1	17
82	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.	1.7	16
83	Stabilization of linear undamped systems via position and delayed position feedbacks. <i>Journal of Sound and Vibration</i> , 2008, 312, 509-525.	3.9	16
84	Active flutter suppression of a multiple-actuated-wing wind tunnel model. <i>Chinese Journal of Aeronautics</i> , 2014, 27, 1451-1460.	5.3	16
85	Thermal vibration of a simply supported single-walled carbon nanotube with thermal stress. <i>Acta Mechanica</i> , 2016, 227, 1957-1967.	2.1	16
86	Design and analysis of a vibration isolation system with cam-roller-spring-rod mechanism. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 1781-1791.	2.6	16
87	Efficient modeling and order reduction of new 3D beam elements with warping via absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2022, 109, 2319-2354.	5.2	16
88	Group delay induced instabilities and Hopf bifurcations, of a controlled double pendulum. <i>International Journal of Non-Linear Mechanics</i> , 2010, 45, 442-452.	2.6	15
89	Flutter control based on ultrasonic motor for a two-dimensional airfoil section. <i>Journal of Fluids and Structures</i> , 2012, 28, 89-102.	3.4	15
90	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

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91	Distributed finite-time tracking for a team of planar flexible spacecraft. <i>ISA Transactions</i> , 2017, 69, 214-221.	5.7	15
92	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	15
93	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.	5.2	15
94	Robust Hurwitz Stability Test for Linear Systems With Uncertain Commensurate Time Delays. <i>IEEE Transactions on Automatic Control</i> , 2004, 49, 1389-1393.	5.7	14
95	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.	8.0	14
96	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.	4.5	14
97	Dimensional Reduction for Nonlinear Time-Delayed Systems Composed of Stiff and Soft Substructures. <i>Nonlinear Dynamics</i> , 2001, 25, 317-331.	5.2	13
98	Three-dimensional optimal deployment of a tethered subsatellite with an elastic tether. <i>International Journal of Computer Mathematics</i> , 2008, 85, 915-923.	1.8	13
99	New Method of Modeling Uncertainty for Robust Flutter Suppression. <i>Journal of Aircraft</i> , 2013, 50, 994-999.	2.4	13
100	Component-level proper orthogonal decomposition for flexible multibody systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 361, 112690.	6.6	13
101	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.	1.7	12
102	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.	5.2	12
103	Exponentially Convergent Velocity Observer for an Electrodynamic Tether in an Elliptical Orbit. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 1113-1118.	2.8	12
104	Internal resonances and their bifurcations of a rigid-flexible space antenna. <i>International Journal of Non-Linear Mechanics</i> , 2017, 94, 160-173.	2.6	12
105	Removing Singularity of Orientation Description for Modeling and Controlling an Electrodynamic Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2018, 41, 764-769.	2.8	12
106	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.	3.2	12
107	Simulation complexities in the dynamics of a continuously piecewise-linear oscillator. <i>Chaos, Solitons and Fractals</i> , 1995, 5, 2201-2212.	5.1	11
108	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.	3.4	11

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109	Computational dynamics of soft machines. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 516-528.	3.4	11
110	A study of chaotic motion in elastic cylindrical shells. <i>European Journal of Mechanics, A/Solids</i> , 1999, 18, 351-360.	3.7	10
111	Stability and Bifurcation Analysis of a Network of Four Neurons With Time Delays. <i>Journal of Computational and Nonlinear Dynamics</i> , 2010, 5, .	1.2	10
112	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.	2.8	10
113	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.	4.5	10
114	A Soft and Bistable Gripper with Adjustable Energy Barrier for Fast Capture in Space. <i>Soft Robotics</i> , 2023, 10, 77-87.	8.0	10
115	Simulating coupled dynamics of a rigid-flexible multibody system and compressible fluid. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	9
116	Nonsmooth spatial frictional contact dynamics of multibody systems. <i>Multibody System Dynamics</i> , 2021, 53, 1-27.	2.7	9
117	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.	1.7	8
118	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.	4.0	8
119	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.	2.6	8
120	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	8
121	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.	3.4	8
122	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, .	1.2	7
123	The Neuro-fuzzy Identification of MR Damper. , 2009, , .		7
124	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.	5.2	7
125	Parameterized Modeling Methodology for Efficient Aeroservoelastic Analysis of a Morphing Wing. <i>AIAA Journal</i> , 2019, 57, 5543-5552.	2.6	7
126	Analysis of elasto-plastic thin-shell structures using layered plastic modeling and absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , 2021, 105, 2899-2920.	5.2	7

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127	Data-driven modeling of transonic unsteady flows and efficient analysis of fluid-structure stability. <i>Journal of Fluids and Structures</i> , 2022, 111, 103549.	3.4	7
128	Adaptive Maneuver Load Alleviation via Recurrent Neural Networks. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 1824-1831.	2.8	6
129	Soft Machines: Challenges to Computational Dynamics. <i>Procedia IUTAM</i> , 2017, 20, 10-17.	1.2	6
130	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.	2.0	5
131	Multiple Dynamic Response Patterns of Flexible Multibody Systems With Random Uncertain Parameters. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	5
132	Body-Freedom Flutter Suppression for a Flexible Flying-Wing Drone via Time-Delayed Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2022, 45, 28-38.	2.8	5
133	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.	2.5	4
134	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.	0.4	4
135	Experimental Studies on Finite Element Model Updating for a Heated Beam-Like Structure. <i>Shock and Vibration</i> , 2015, 2015, 1-15.	0.6	4
136	Dynamics of Space Deployable Structures. , 2015, , .		4
137	Dynamics and Modal Analysis of Gyroelastic Body With Variable Speed Control Moment Gyroscopes. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	1.2	4
138	Sensitivity analysis of deployable flexible space structures with a large number of design parameters. <i>Nonlinear Dynamics</i> , 2021, 105, 2055-2079.	5.2	4
139	Global Dynamics of a Duffing System with Delayed Velocity Feedback. , 2005, , 335-344.		4
140	Isolating low-frequency vibration via lightweight embedded metastructures. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2020, 50, 090010.	0.4	4
141	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.	6.6	3
142	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.	1.7	3
143	Costate estimation for dynamic systems of the second order. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 752-760.	0.9	3
144	Feedback control for retrieving an electro-dynamic tethered sub-satellite. <i>Tsinghua Science and Technology</i> , 2009, 14, 79-83.	6.1	3

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145	New Design and Dynamic Analysis for Deploying Rolled Booms with Thin Wall. Journal of Spacecraft and Rockets, 2016, 53, 225-230.	1.9	3
146	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
147	Splitting of vibration mode in an imperfect submicron circular plate. Acta Mechanica, 2021, 232, 1729-1739.	2.1	3
148	Experimental Study on Wave Propagation in One-Dimensional Viscoelastic Metamaterial. Acta Mechanica Solida Sinica, 2021, 34, 597.	1.9	3
149	Machine learning-based active flutter suppression for a flexible flying-wing aircraft. Journal of Sound and Vibration, 2022, 529, 116916.	3.9	3
150	Bifurcation analysis of a nonlinear viscoelastic panel. European Journal of Mechanics, A/Solids, 2001, 20, 827-839.	3.7	2
151	Hierarchical fuzzy identification of MR damper. , 2009, , .		2
152	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
153	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
154	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
155	Stability Analysis of Linear Delay Systems. , 2002, , 59-114.		1
156	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
157	Vibration Suppression of Flexible Beam with Delayed Boundary Feedback via Discrete-time Optimal Controller. , 2007, , .		1
158	Wave Propagation in Carbon Nanotubes. , 0, , .		1
159	Three-Dimensional Topology Optimization of a Flexible Multibody System via Moving Morphable Components. , 2018, , 1529-1542.		1
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