

# Zhao-Dong Xu

## List of Publications by Year in descending order

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170  
papers

3,571  
citations

126708

33  
h-index

197535

49  
g-index

173  
all docs

173  
docs citations

173  
times ranked

1925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-active control of structures incorporated with magnetorheological dampers using neural networks. <i>Smart Materials and Structures</i> , 2003, 12, 80-87.	1.8	148
2	Earthquake Mitigation Study on Viscoelastic Dampers for Reinforced Concrete Structures. <i>JVC/Journal of Vibration and Control</i> , 2007, 13, 29-43.	1.5	95
3	Tuned mass-damper-inerter control of wind-induced vibration of flexible structures based on inerter location. <i>Engineering Structures</i> , 2019, 199, 109585.	2.6	89
4	Equivalent fractional Kelvin model and experimental study on viscoelastic damper. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2536-2552.	1.5	80
5	Parameters optimization of vibration isolation and mitigation system for precision platforms using non-dominated sorting genetic algorithm. <i>Mechanical Systems and Signal Processing</i> , 2019, 128, 191-201.	4.4	80
6	Experimental and Theoretical Study of High-Energy Dissipation-Viscoelastic Dampers Based on Acrylate-Rubber Matrix. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	1.6	80
7	Optimal design of tuned mass damper inerter with a Maxwell element for mitigating the vortex-induced vibration in bridges. <i>Mechanical Systems and Signal Processing</i> , 2021, 148, 107180.	4.4	73
8	Design, performance test and analysis on magnetorheological damper for earthquake mitigation. <i>Structural Control and Health Monitoring</i> , 2013, 20, 956-970.	1.9	70
9	Energy damage detection strategy based on acceleration responses for long-span bridge structures. <i>Engineering Structures</i> , 2007, 29, 609-617.	2.6	65
10	Bio-inspired anti-vibration with nonlinear inertia coupling. <i>Mechanical Systems and Signal Processing</i> , 2019, 124, 562-595.	4.4	63
11	Expression of insulin-like growth factor (IGF)-II in human prostate, breast, bladder, and paraganglioma tumors. <i>Cell and Tissue Research</i> , 1998, 291, 469-479.	1.5	62
12	Multifunctional nanocomposites between natural rubber and polyvinyl pyrrolidone modified graphene. <i>Composites Part B: Engineering</i> , 2016, 84, 121-129.	5.9	60
13	Energy Damage Detection Strategy Based on Strain Responses for Long-Span Bridge Structures. <i>Journal of Bridge Engineering</i> , 2011, 16, 644-652.	1.4	52
14	Polyvinyl pyrrolidone modified graphene oxide for improving the mechanical, thermal conductivity and solvent resistance properties of natural rubber. <i>RSC Advances</i> , 2016, 6, 54668-54678.	1.7	52
15	Enhanced mechanical properties and thermal conductivity of styrene-butadiene rubber reinforced with polyvinylpyrrolidone-modified graphene oxide. <i>Journal of Materials Science</i> , 2016, 51, 5724-5737.	1.7	50
16	Enhanced compatibility and mechanical properties of carboxylated acrylonitrile butadiene rubber/styrene butadiene rubber by using graphene oxide as reinforcing filler. <i>Composites Part B: Engineering</i> , 2017, 111, 243-250.	5.9	50
17	High mechanical properties, thermal conductivity and solvent resistance in graphene oxide/styrene-butadiene rubber nanocomposites by engineering carboxylated acrylonitrile-butadiene rubber. <i>Composites Part B: Engineering</i> , 2017, 130, 257-266.	5.9	49
18	Performance tests and mathematical model considering magnetic saturation for magnetorheological damper. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 1331-1349.	1.4	48

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19	Dynamic Analysis and Parameter Optimization of Pipelines with Multidimensional Vibration Isolation and Mitigation Device. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021, 12, .	0.9	48
20	A synthetic optimization analysis method on structures with viscoelastic dampers. <i>Soil Dynamics and Earthquake Engineering</i> , 2003, 23, 683-689.	1.9	47
21	Optimal analysis and experimental study on structures with viscoelastic dampers. <i>Journal of Sound and Vibration</i> , 2004, 273, 607-618.	2.1	45
22	Neuro-fuzzy control strategy for earthquake-excited nonlinear magnetorheological structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2008, 28, 717-727.	1.9	45
23	Magnetoviscoelasticity parametric model of an MR elastomer vibration mitigation device. <i>Smart Materials and Structures</i> , 2012, 21, 075034.	1.8	45
24	Enhancing mechanical and thermal properties of styrene-butadiene rubber/carboxylated acrylonitrile butadiene rubber blend by the usage of graphene oxide with diverse oxidation degrees. <i>Applied Surface Science</i> , 2017, 423, 584-591.	3.1	45
25	Vibration suppression on a platform by using vibration isolation and mitigation devices. <i>Nonlinear Dynamics</i> , 2016, 83, 1341-1353.	2.7	44
26	Experimental and Modeling Study on Magnetorheological Elastomers with Different Matrices. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 1762-1771.	1.3	43
27	Damage Detection for Space Truss Structures Based on Strain Mode under Ambient Excitation. <i>Journal of Engineering Mechanics - ASCE</i> , 2012, 138, 1215-1223.	1.6	40
28	Wind vibration control of stay cables using magnetorheological dampers under optimal equivalent control algorithm. <i>Journal of Sound and Vibration</i> , 2019, 443, 732-747.	2.1	40
29	Fuzzy Control Method for Earthquake Mitigation Structures with Magnetorheological Dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2006, 17, 871-881.	1.4	39
30	Tailoring rubber-filler interfacial interaction and multifunctional rubber nanocomposites by usage of graphene oxide with different oxidation degrees. <i>Composites Part B: Engineering</i> , 2017, 124, 250-259.	5.9	38
31	Damage Identification of Pipeline Based on Ultrasonic Guided Wave and Wavelet Denoising. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021, 12, .	0.9	32
32	Experimental study on vertical performance of multidimensional earthquake isolation and mitigation devices for long-span reticulated structures. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 1971-1985.	1.5	31
33	Viscoelastic Properties of Magnetorheological Elastomers for Damping Applications. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1116-1125.	1.7	31
34	Experimental and theoretical study on a building structure controlled by multi-dimensional earthquake isolation and mitigation devices. <i>Nonlinear Dynamics</i> , 2017, 89, 723-740.	2.7	30
35	Seismic behavior and cross-scale refinement model of damage evolution for RC shear walls. <i>Engineering Structures</i> , 2018, 167, 13-25.	2.6	30
36	Seismic behavior and damage evolution for retrofitted RC frames using haunch viscoelastic damping braces. <i>Engineering Structures</i> , 2019, 199, 109583.	2.6	29

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37	A Multiscale Bridging Material Parameter and Damage Inversion Algorithm from Macroscale to Mesoscale Based on Ant Colony Optimization. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	29
38	Enhanced mechanical, dielectric, electrical and thermal conductive properties of HXNBR/HNBR blends filled with ionic liquid-modified multiwalled carbon nanotubes. <i>Journal of Materials Science</i> , 2017, 52, 10814-10828.	1.7	28
39	Analysis on influence of the magnetorheological fluid microstructure on the mechanical properties of magnetorheological dampers. <i>Smart Materials and Structures</i> , 2020, 29, 115025.	1.8	28
40	Horizontal shaking table tests on structures using innovative earthquake mitigation devices. <i>Journal of Sound and Vibration</i> , 2009, 325, 34-48.	2.1	27
41	Experimental and numerical study on long-span reticulate structure with multidimensional high-damping earthquake isolation devices. <i>Journal of Sound and Vibration</i> , 2014, 333, 3044-3057.	2.1	26
42	Safety and Stability of Light-Rail Train Running on Multispan Bridges with Deformation. <i>Journal of Bridge Engineering</i> , 2016, 21, .	1.4	26
43	A physical model-free ant colony optimization network algorithm and full scale experimental investigation on ceiling temperature distribution in the utility tunnel fire. <i>International Journal of Thermal Sciences</i> , 2022, 174, 107436.	2.6	26
44	Experimental study on horizontal performance of multi-dimensional earthquake isolation and mitigation devices for long-span reticulated structures. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 941-952.	1.5	25
45	Experimental and numerical studies on a composite MR damper considering magnetic saturation effect. <i>Engineering Structures</i> , 2017, 132, 576-585.	2.6	25
46	Parameters Design of TMD Mitigating Vortex-Induced Vibration of the Hong Kongâ€™Zhuhaiâ€™Macao Bridge Deep-Water Nonnavigable Bridge. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	25
47	Optimization analysis on parameters of multi-dimensional earthquake isolation and mitigation device based on genetic algorithm. <i>Nonlinear Dynamics</i> , 2013, 72, 757-765.	2.7	22
48	A Compact Experimentally Validated Model of Magnetorheological Fluids. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016, 138, .	1.0	22
49	Intelligent Vibration Isolation and Mitigation of a Platform by Using MR and VE Devices. <i>Journal of Aerospace Engineering</i> , 2016, 29, .	0.8	21
50	Recent Advances in Multi-Dimensional Vibration Mitigation Materials and Devices. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	21
51	Theoretical and Experimental Study of Viscoelastic Damper Based on Fractional Derivative Approach and Micromolecular Structures. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	21
52	Effect of frequency dependence of large mass ratio viscoelastic tuned mass damper on seismic performance of structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 130, 105998.	1.9	20
53	Fuzzy neural network control algorithm for asymmetric building structure with active tuned mass damper. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 2037-2049.	1.5	20
54	A programmable pseudo negative stiffness control device and its role in stay cable vibration control. <i>Mechanical Systems and Signal Processing</i> , 2022, 173, 109054.	4.4	20

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55	A hysteretic model considering Stribeck effect for small-scale magnetorheological damper. <i>Smart Materials and Structures</i> , 2018, 27, 065021.	1.8	19
56	Performance tests and modeling on high damping magnetorheological elastomers based on bromobutyl rubber. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 1025-1037.	1.4	19
57	Experimental and theoretical study on a novel multi-dimensional vibration isolation and mitigation device for large-scale pipeline structure. <i>Mechanical Systems and Signal Processing</i> , 2019, 129, 546-567.	4.4	19
58	Performance tests and microstructure-based sigmoid model for a three-coil magnetorheological damper. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2819.	1.9	19
59	An adaptive Particle Swarm Optimization algorithm for fire source identification of the utility tunnel fire. <i>Fire Safety Journal</i> , 2021, 126, 103486.	1.4	19
60	A Modified Fractional-Order Derivative Zener Model for Rubber-Like Devices for Structural Control. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	19
61	Hammerhead Ribozyme-Mediated Cleavage of the Human Insulin-Like Growth Factor-II Ribonucleic Acid in Vitro and in Prostate Cancer Cells*. <i>Endocrinology</i> , 1999, 140, 2134-2144.	1.4	18
62	Testing and modeling of a CLEMR damper and its application in structural vibration reduction. <i>Nonlinear Dynamics</i> , 2012, 70, 1575-1588.	2.7	18
63	Study of the properties of a multi-dimensional earthquake isolation device for reticulated structures. <i>Journal of Constructional Steel Research</i> , 2013, 88, 63-78.	1.7	18
64	Cardiac Type cGMP-Inhibited Phosphodiesterase (PDE3A) Gene Structure: Similarity and Difference to Adipocyte Type PDE3B Gene. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 827-834.	1.0	17
65	Simulation of stochastic wind field for large complex structures based on modified Fourier spectrum. <i>Journal of Zhejiang University: Science A</i> , 2011, 12, 238-246.	1.3	17
66	Vibration control of platform structures with magnetorheological elastomer isolators based on an improved SAVS law. <i>Smart Materials and Structures</i> , 2016, 25, 065002.	1.8	17
67	Predictive Model of Dynamic Mechanical Properties of VE Damper Based on Acrylic Rubber-Graphene Oxide Composites Considering Aging Damage. <i>Journal of Aerospace Engineering</i> , 2022, 35, .	0.8	17
68	Experimental and Numerical Study on Magnetorheological Fluids Based on Mixing Coated Magnetic Particles. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	16
69	Tests and Modeling of Viscoelastic Damper Considering Microstructures and Displacement Amplitude Influence. <i>Journal of Engineering Mechanics - ASCE</i> , 2019, 145, .	1.6	16
70	Experimental study on viscoelastic dampers for structural seismic response control using a user-programmable hybrid simulation platform. <i>Engineering Structures</i> , 2020, 216, 110710.	2.6	16
71	Sliding mode control design for the benchmark problem in real-time hybrid simulation. <i>Mechanical Systems and Signal Processing</i> , 2021, 151, 107364.	4.4	16
72	Experimental Investigation and Multiscale Modeling of VE Damper Considering Chain Network and Ambient Temperature Influence. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	16

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73	BP neural network-based adaptive spatial-temporal data generation technology for predicting ceiling temperature in tunnel fire and full-scale experimental verification. <i>Fire Safety Journal</i> , 2022, 130, 103577.	1.4	16
74	Bridge Assessment and Health Monitoring with Distributed Long-Gauge FBG Sensors. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 494260.	1.3	15
75	Preparation and Tests of MR Fluids With CI Particles Coated With MWNTs. <i>Frontiers in Materials</i> , 2018, 5, .	1.2	15
76	Dynamic analysis of viscoelastic tuned mass damper system under harmonic excitation. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 1768-1779.	1.5	15
77	An Improved Updatable Backpropagation Neural Network for Temperature Prognosis in Tunnel Fires. <i>Journal of Performance of Constructed Facilities</i> , 2022, 36, .	1.0	15
78	Experimental study on seismic behavior of RC frames strengthened with CFRP sheets. <i>Composite Structures</i> , 2011, 93, 1595-1603.	3.1	14
79	Damage Detection Strategy Using Strain-Mode Residual Trends for Long-Span Bridges. <i>Journal of Computing in Civil Engineering</i> , 2015, 29, .	2.5	14
80	Impact of various oxidation degrees of graphene oxide on the performance of styrene-butadiene rubber nanocomposites. <i>Polymer Engineering and Science</i> , 2018, 58, 1409-1418.	1.5	14
81	Improved Mathematical Model for Analysis of the Payne Effect of Magnetorheological Elastomers. <i>Journal of Aerospace Engineering</i> , 2018, 31, .	0.8	14
82	Synergistic effects of hybridization of carbon black and carbon nanotubes on the mechanical properties and thermal conductivity of a rubber blend system. <i>Journal of Polymer Engineering</i> , 2017, 37, 785-794.	0.6	13
83	Mathematical modeling and test verification of viscoelastic materials considering microstructures and ambient temperature influence. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 7063-7074.	1.5	13
84	Integrated intelligent control analysis on semi-active structures by using magnetorheological dampers. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 2280-2294.	0.9	12
85	Modeling and analysis of a viscoelastic micro-vibration isolation and mitigation platform for spacecraft. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4337-4352.	1.5	12
86	Fractional Differential Equation Bearing Models for Base-Isolated Buildings: Framework Development. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	12
87	Mitigation of Vortex-Induced Vibration in Bridges Using Semiactive Tuned Mass Dampers. <i>Journal of Bridge Engineering</i> , 2021, 26, .	1.4	12
88	Effects of mechanical nonlinearity of viscoelastic dampers on the seismic performance of viscoelastically damped structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 150, 106936.	1.9	12
89	Single-double chains micromechanical model and experimental verification of MR fluids with MWCNTs/GO composites coated ferromagnetic particles. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 1523-1536.	1.4	12
90	Single input magnetorheological pseudo negative stiffness control for bridge stay cables. <i>Smart Materials and Structures</i> , 2021, 30, 015032.	1.8	12

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91	A minimum Lemaitre's damage strain energy release rate-based model for competitive fracture process simulation of quasi-brittle materials. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102705.	2.1	11
92	Stochastic responses of nonlinear systems to nonstationary non-Gaussian excitations. <i>Mechanical Systems and Signal Processing</i> , 2020, 144, 106898.	4.4	11
93	Development of Viscoelastic Damper Based on NBR and Organic Small-Molecule Composites. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	11
94	Vertical shaking table tests on the structure with viscoelastic multi-dimensional earthquake isolation and mitigation devices. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2869-2876.	0.9	10
95	Modeling and experimentation of a viscoelastic microvibration damper based on a chain network model. <i>Journal of Mechanics of Materials and Structures</i> , 2016, 11, 413-432.	0.4	10
96	Influence of ionic liquid on the polymer–filler coupling and mechanical properties of nano-silica filled elastomer. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	10
97	Force tracking model and experimental verification on a novel magnetorheological damper with combined compensator for stay cables of bridge. <i>Structures</i> , 2021, 32, 1971-1985.	1.7	10
98	Theoretical and Experimental Research of Viscoelastic Damping Limb-Like-Structure Device with Coupling Nonlinear Characteristics. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, .	1.5	10
99	Dynamic Properties and Energy Dissipation Study of Sandwich Viscoelastic Damper Considering Temperature Influence. <i>Buildings</i> , 2021, 11, 470.	1.4	10
100	Evaluation of Cross-Sectional Deformation in Pipes Using Reflection of Fundamental Guided-Waves. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	10
101	A Fractional-Order Generalized Thermoelastic Problem of a Bilayer Piezoelectric Plate for Vibration Control. <i>Journal of Heat Transfer</i> , 2017, 139, .	1.2	9
102	Distributed Strain Damage Identification Technique for Long-Span Bridges Under Ambient Excitation. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850133.	1.5	9
103	Shaking table tests of magnetorheological damped frame to mitigate the response under real-time online control. <i>Smart Materials and Structures</i> , 2019, 28, 115021.	1.8	9
104	Water-induced mechanically adaptive behavior of carboxylated acrylonitrile-butadiene rubber reinforced by bacterial cellulose whiskers. <i>Polymer Engineering and Science</i> , 2019, 59, 58-65.	1.5	9
105	Multidimensional vibration reduction control of the frame structure with magnetorheological damper. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2572.	1.9	9
106	Study on the space frame structures incorporated with magnetorheological dampers. <i>Smart Structures and Systems</i> , 2017, 19, 279-288.	1.9	9
107	Bistable inclined beam connected in series for quasi-zero stiffness. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 1285-1298.	1.5	9
108	Simulation Analysis on Intelligent Structures with Magnetorheological Dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2008, 19, 715-726.	1.4	8

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109	Experimental and numerical studies on new multi-dimensional earthquake isolation and mitigation device: Horizontal properties. <i>Science China Technological Sciences</i> , 2010, 53, 2658-2667.	2.0	8
110	Performance Tests and Microchain Model Validation of a Novel Kind of MR Fluid with GO-Coated Iron Particles. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04018072.	1.3	8
111	A Generalized Magneto-Thermoviscoelastic Problem of a Single-Layer Plate for Vibration Control Considering Memory-Dependent Heat Transfer and Nonlocal Effect. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	8
112	Gradient Chain Structure Model for Characterizing Frequency Dependence of Viscoelastic Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	1.6	8
113	An adaptive sliding mode control system and its application to real-time hybrid simulation. <i>Structural Control and Health Monitoring</i> , 2022, 29, e2851.	1.9	8
114	An Intelligent Fire Detection Algorithm and Sensor Optimization Strategy for Utility Tunnel Fires. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022, 13, .	0.9	8
115	Robust control of vortex-induced vibration in flexible bridges using an active tuned mass damper. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	1.9	8
116	Analysis on the disaster chain evolution from gas leak to explosion in urban utility tunnels. <i>Engineering Failure Analysis</i> , 2022, 140, 106609.	1.8	8
117	Tests and Modeling of a New Vibration Isolation and Suppression Device. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017, 139, .	0.9	7
118	Design parameters and material-scale damage evolution of seismic upgraded RC frames by viscoelastic haunch bracing dampers. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1476-1491.	2.5	7
119	Seismic performance of magnetorheological damped structures with different MR fluid perfusion densities of the damper. <i>Smart Materials and Structures</i> , 2021, 30, 065008.	1.8	7
120	Experimentally-Verified Micromechanical Model of MR Gels Based on Planar Current Loop Model. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	1.6	7
121	Investigating Coupled Train-Bridge-Bearing System Under Earthquake- and Train-Induced Excitations. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2021, 143, .	1.0	7
122	Horizontal shaking table tests and analysis on structures with multi-dimensional earthquake isolation and mitigation devices. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2009-2016.	0.9	6
123	Study on the Iced Quad-Bundle Transmission Lines Incorporated With Viscoelastic Antigalloping Devices. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	0.9	6
124	Simultaneous identification of stiffness, mass, and damping using an on-line model updating approach. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1892.	1.9	6
125	Internal magnetic field tests and magnetic field coupling model of a three-coil magnetorheological damper. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 2179-2195.	1.4	6
126	Seismic performance of viscoelastically damped structures at different ambient temperatures. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 2819-2834.	1.5	6



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127	Microstructure-Based Equivalent Visco-Hyperelastic Model of Viscoelastic Damper. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	6
128	Identification of Multiple Fire Sources in the Utility Tunnel Based on a Constrained Particle Swarm Optimization Algorithm. Fire Technology, 2022, 58, 2825-2845.	1.5	6
129	Track-position and vibration control simulation for strut of the Stewart platform. Journal of Zhejiang University: Science A, 2013, 14, 281-291.	1.3	5
130	Preparation, Property Tests, and Limited Chain Model of Magnetorheological Fluid. Journal of Materials in Civil Engineering, 2015, 27, 04014229.	1.3	5
131	Experimental and Numerical Study on Dynamic Properties of Viscoelastic Microvibration Damper Considering Temperature and Frequency Effects. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	5
132	Hybrid test on building structures using electrodynamic fatigue test machine. Nondestructive Testing and Evaluation, 2017, 32, 90-102.	1.1	5
133	Dynamic compressive behaviour of coconut fibre-reinforced concrete composite. Magazine of Concrete Research, 2020, 72, 1125-1134.	0.9	4
134	Strengthening Design of RC Columns with Direct Fastening Steel Jackets. Applied Sciences (Switzerland), 2021, 11, 3649.	1.3	4
135	Quasi-zero stiffness isolator based on bistable structures with variable cross-section. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 405-416.	1.3	4
136	Experimental and theoretical investigation on energy dissipation capacity of the viscoelastic limb-like-structure devices. Mechanics of Advanced Materials and Structures, 2023, 30, 2121-2134.	1.5	4
137	Experimental study on seismic performance of prefabricated viscoelastic damping bolted joints. Engineering Structures, 2022, 256, 113933.	2.6	4
138	Review for dynamic researches in civil engineering in recent years. Science China Technological Sciences, 2010, 53, 1450-1452.	2.0	3
139	Prediction of the Thermal Contact Resistance at the Steel-Concrete Interface of CFST Columns with Circular Cross-Section. Mechanics of Advanced Materials and Structures, 2012, 19, 530-542.	1.5	3
140	An in-time damage identification approach based on the Kalman filter and energy equilibrium theory. Journal of Zhejiang University: Science A, 2015, 16, 105-116.	1.3	3
141	Impact of blend ratio on the properties of graphene oxide-filled carboxylated acrylonitrile-butadiene rubber/styrene-butadiene rubber blends. Polymer International, 2018, 67, 463-470.	1.6	3
142	Effect of frequency dependence on the seismic performance of linear viscoelastic base-isolated structures. Soil Dynamics and Earthquake Engineering, 2020, 139, 106396.	1.9	3
143	Study on Experiment and Modeling of Viscoelastic Damper Considering Interfacial Effect of Matrix Rubber/Carbon Black. Journal of Engineering Materials and Technology, Transactions of the ASME, 2021, 143, .	0.8	3
144	The equivalent Havriliak-Negami model for characterizing the dynamic properties of viscoelastic dampers. Journal of Mechanics of Materials and Structures, 2021, 16, 471-486.	0.4	3

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145	Hybrid seismic isolation of vertical pressure vessels in CO2 capture plant. Structures, 2022, 39, 17-28.	1.7	3
146	A reduced-order improved rational polynomial method for viscoelastically damped structures considering ambient temperature effect. Soil Dynamics and Earthquake Engineering, 2022, 159, 107315.	1.9	3
147	Sensitivity Analysis of Acceleration-based Energy Damage Detection Strategy to Load Excitations and Sensor Placement. Journal of Intelligent Material Systems and Structures, 2009, 20, 413-423.	1.4	2
148	Damage detection strategy for reticulated structures based on incomplete strain mode. Acta Mechanica Solida Sinica, 2011, 24, 308-317.	1.0	2
149	Experimental and Numerical Studies on Vertical Properties of a New Multi-Dimensional Earthquake Isolation and Mitigation Device. Shock and Vibration, 2013, 20, 401-410.	0.3	2
150	Three-dimensional dynamic analysis of ancient buildings with novel high damping isolation trenches. JVC/Journal of Vibration and Control, 2022, 28, 2409-2420.	1.5	2
151	Preparation and characterization of a novel MR fluid with MWCNTs/GO composites coated ferromagnetic particles. Smart Materials and Structures, 2020, 29, 125005.	1.8	2
152	Study of a Novel Nonlinear Viscoelastic Bio-Inspired Multi-Dimensional Vibration Isolation Device. International Journal of Structural Stability and Dynamics, 2022, 22, .	1.5	2
153	Thermodynamic Behaviors of a Viscoelastic Plate for Vibration Control with Nonlocal Effect and Temperature-Dependent Properties when Subjected to a Moving Heat Source. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	2
154	Experimental study and mechanical model of viscoelastic damping limb-like-structure device with coupling nonlinear characteristics. Soil Dynamics and Earthquake Engineering, 2022, 160, 107385.	1.9	2
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