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	Experimental and theorical 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
2	Bistable inclined beam connected in series for quasi-zero stiffness. Mechanics of Advanced Materials and Structures, 2023, 30, 1285-1298.	1.5	9
3	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
4	An adaptive sliding mode control system and its application to realâ€time hybrid simulation. Structural Control and Health Monitoring, 2022, 29, e2851.	1.9	8
5	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
6	Mathematical modeling and test verification of viscoelastic materials considering microstructures and ambient temperature influence. Mechanics of Advanced Materials and Structures, 2022, 29, 7063-7074.	1.5	13
7	A Computational Method for Simulating Mesoscale Competitive Fracture Process of Heterogeneous Quasi-brittle Building Materials. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2022, 46, 557-572.	0.8	1
8	A Modified Fractional-Order Derivative Zener Model for Rubber-Like Devices for Structural Control. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	19
9	Experimental Investigation and Multiscale Modeling of VE Damper Considering Chain Network and Ambient Temperature Influence. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	16
10	Predictive Model of Dynamic Mechanical Properties of VE Damper Based on Acrylic Rubberâ€“Graphene Oxide Composites Considering Aging Damage. Journal of Aerospace Engineering, 2022, 35, .	0.8	17
11	A Multiscale Bridging Material Parameter and Damage Inversion Algorithm from Macroscale to Mesoscale Based on Ant Colony Optimization. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	29
12	A physical model-free ant colony optimization network algorithm and full scale experimental investigation on ceiling temperature distribution in the utility tunnel fire. International Journal of Thermal Sciences, 2022, 174, 107436.	2.6	26
13	Microstructure-Based Equivalent Visco-Hyperelastic Model of Viscoelastic Damper. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	6
14	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
15	An Improved Updatable Backpropagation Neural Network for Temperature Prognosis in Tunnel Fires. Journal of Performance of Constructed Facilities, 2022, 36, .	1.0	15
16	BP neural network-based adaptive spatial-temporal data generation technology for predicting ceiling temperature in tunnel fire and full-scale experimental verification. Fire Safety Journal, 2022, 130, 103577.	1.4	16
17	Experimental study on seismic performance of prefabricated viscoelastic damping bolted joints. Engineering Structures, 2022, 256, 113933.	2.6	4
18	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

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19	Hybrid seismic isolation of vertical pressure vessels in CO2 capture plant. Structures, 2022, 39, 17-28.	1.7	3
20	An Intelligent Fire Detection Algorithm and Sensor Optimization Strategy for Utility Tunnel Fires. Journal of Pipeline Systems Engineering and Practice, 2022, 13, .	0.9	8
21	Evaluation of Cross-Sectional Deformation in Pipes Using Reflection of Fundamental Guided-Waves. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	10
22	A programmable pseudo negative stiffness control device and its role in stay cable vibration control. Mechanical Systems and Signal Processing, 2022, 173, 109054.	4.4	20
23	Robust control of vortexâ€induced vibration in flexible bridges using an active tuned mass damper. Structural Control and Health Monitoring, 2022, 29, .	1.9	8
24	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
25	Development of Viscoelastic Damper Based on NBR and Organic Small-Molecule Composites. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	11
26	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
27	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
28	Controller-extensible hybrid simulation platform for viscoelastically damped frame structures based on Matlab-Opensees frameworks. Engineering Structures, 2022, 267, 114678.	2.6	2
29	Analysis on the disaster chain evolution from gas leak to explosion in urban utility tunnels. Engineering Failure Analysis, 2022, 140, 106609.	1.8	8
30	Seismic performance of viscoelastically damped structures at different ambient temperatures. JVC/Journal of Vibration and Control, 2021, 27, 2819-2834.	1.5	6
31	Sliding mode control design for the benchmark problem in real-time hybrid simulation. Mechanical Systems and Signal Processing, 2021, 151, 107364.	4.4	16
32	Optimal design of tuned mass damper inerter with a Maxwell element for mitigating the vortex-induced vibration in bridges. Mechanical Systems and Signal Processing, 2021, 148, 107180.	4.4	73
33	Dynamic Analysis and Parameter Optimization of Pipelines with Multidimensional Vibration Isolation and Mitigation Device. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	0.9	48
34	Design parameters and materialâ€scale damage evolution of seismic upgraded RC frames by viscoelastic haunch bracingâ€dampers. Earthquake Engineering and Structural Dynamics, 2021, 50, 1476-1491.	2.5	7
35	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
36	Seismic performance of magnetorheological damped structures with different MR fluid perfusion densities of the damper. Smart Materials and Structures, 2021, 30, 065008.	1.8	7

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37	Strengthening Design of RC Columns with Direct Fastening Steel Jackets. Applied Sciences (Switzerland), 2021, 11, 3649.	1.3	4
38	Mitigation of Vortex-Induced Vibration in Bridges Using Semiactive Tuned Mass Dampers. Journal of Bridge Engineering, 2021, 26, .	1.4	12
39	Performance tests and microstructureâ€based sigmoid model for a threeâ€coil magnetorheological damper. Structural Control and Health Monitoring, 2021, 28, e2819.	1.9	19
40	Force tracking model and experimental verification on a novel magnetorheological damper with combined compensator for stay cables of bridge. Structures, 2021, 32, 1971-1985.	1.7	10
41	Theoretical and Experimental Research of Viscoelastic Damping Limb-Like-Structure Device with Coupling Nonlinear Characteristics. International Journal of Structural Stability and Dynamics, 2021, 21, .	1.5	10
42	Experimentally-Verified Micromechanical Model of MR Gels Based on Planar Current Loop Model. Journal of Engineering Mechanics - ASCE, 2021, 147, .	1.6	7
43	A physical minimum dissipative energy-based damage model for crack growth simulation of geoengineering structures. International Journal of Fracture, 2021, 231, 79.	1.1	1
44	Damage Identification of Pipeline Based on Ultrasonic Guided Wave and Wavelet Denoising. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	0.9	32
45	Effects of mechanical nonlinearity of viscoelastic dampers on the seismic performance of viscoelasticlly damped structures. Soil Dynamics and Earthquake Engineering, 2021, 150, 106936.	1.9	12
46	Development of electric actuator hybrid test system and experimental study on viscoelastic damping structures. Journal of Building Engineering, 2021, 44, 102941.	1.6	1
47	Investigating Coupled Train-Bridge-Bearing System Under Earthquake- and Train-Induced Excitations. Journal of Vibration and Acoustics, Transactions of the ASME, 2021, 143, .	1.0	7
48	Single-double chains micromechanical model and experimental verification of MR fluids with MWCNTs/GO composites coated ferromagnetic particles. Journal of Intelligent Material Systems and Structures, 2021, 32, 1523-1536.	1.4	12
49	Single input magnetorheological pseudo negative stiffness control for bridge stay cables. Smart Materials and Structures, 2021, 30, 015032.	1.8	12
50	Dynamic Properties and Energy Dissipation Study of Sandwich Viscoelastic Damper Considering Temperature Influence. Buildings, 2021, 11, 470.	1.4	10
51	An adaptive Particle Swarm Optimization algorithm for fire source identification of the utility tunnel fire. Fire Safety Journal, 2021, 126, 103486.	1.4	19
52	The equivalent Havriliakâ€“Negami model for characterizing the dynamic properties of viscoelastic dampers. Journal of Mechanics of Materials and Structures, 2021, 16, 471-486.	0.4	3
53	Dynamic compressive behaviour of coconut fibre-reinforced concrete composite. Magazine of Concrete Research, 2020, 72, 1125-1134.	0.9	4
54	Effect of frequency dependence of large mass ratio viscoelastic tuned mass damper on seismic performance of structures. Soil Dynamics and Earthquake Engineering, 2020, 130, 105998.	1.9	20

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55	Fractional Differential Equation Bearing Models for Base-Isolated Buildings: Framework Development. Journal of Structural Engineering, 2020, 146, .	1.7	12
56	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
57	A minimum Lemaitre's damage strain energy release rate-based model for competitive fracture process simulation of quasi-brittle materials. Theoretical and Applied Fracture Mechanics, 2020, 109, 102705.	2.1	11
58	Internal magnetic field tests and magnetic field coupling model of a three-coil magnetorheological damper. Journal of Intelligent Material Systems and Structures, 2020, 31, 2179-2195.	1.4	6
59	Experimental and Theoretical Study of High-Energy Dissipation-Viscoelastic Dampers Based on Acrylate-Rubber Matrix. Journal of Engineering Mechanics - ASCE, 2020, 146, .	1.6	80
60	Multidimensional vibration reduction control of the frame structure with magnetorheological damper. Structural Control and Health Monitoring, 2020, 27, e2572.	1.9	9
61	Experimental study on viscoelastic dampers for structural seismic response control using a user-programmable hybrid simulation platform. Engineering Structures, 2020, 216, 110710.	2.6	16
62	Stochastic responses of nonlinear systems to nonstationary non-Gaussian excitations. Mechanical Systems and Signal Processing, 2020, 144, 106898.	4.4	11
63	Gradient Chain Structure Model for Characterizing Frequency Dependence of Viscoelastic Materials. Journal of Engineering Mechanics - ASCE, 2020, 146, .	1.6	8
64	Fuzzy neural network control algorithm for asymmetric building structure with active tuned mass damper. JVC/Journal of Vibration and Control, 2020, 26, 2037-2049.	1.5	20
65	Analysis on influence of the magnetorheological fluid microstructure on the mechanical properties of magnetorheological dampers. Smart Materials and Structures, 2020, 29, 115025.	1.8	28
66	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
67	A Generalized Magneto-Thermoviscoelastic Problem of a Single-Layer Plate for Vibration Control Considering Memory-Dependent Heat Transfer and Nonlocal Effect. Journal of Heat Transfer, 2019, 141, .	1.2	8
68	Recent Advances in Multi-Dimensional Vibration Mitigation Materials and Devices. Frontiers in Materials, 2019, 6, .	1.2	21
69	Tests and Modeling of Viscoelastic Damper Considering Microstructures and Displacement Amplitude Influence. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	16
70	Seismic behavior and damage evolution for retrofitted RC frames using haunch viscoelastic damping braces. Engineering Structures, 2019, 199, 109583.	2.6	29
71	Tuned mass-damper-inerter control of wind-induced vibration of flexible structures based on inerter location. Engineering Structures, 2019, 199, 109585.	2.6	89
72	Parameters Design of TMD Mitigating Vortex-Induced Vibration of the Hong Kongâ€“Zhuhaiâ€“Macao Bridge Deep-Water Nonnavigable Bridge. Journal of Bridge Engineering, 2019, 24, .	1.4	25

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73	Experimental and theoretical study on a novel multi-dimensional vibration isolation and mitigation device for large-scale pipeline structure. Mechanical Systems and Signal Processing, 2019, 129, 546-567.	4.4	19
74	Dynamic analysis of viscoelastic tuned mass damper system under harmonic excitation. JVC/Journal of Vibration and Control, 2019, 25, 1768-1779.	1.5	15
75	Parameters optimization of vibration isolation and mitigation system for precision platforms using non-dominated sorting genetic algorithm. Mechanical Systems and Signal Processing, 2019, 128, 191-201.	4.4	80
76	Bio-inspired anti-vibration with nonlinear inertia coupling. Mechanical Systems and Signal Processing, 2019, 124, 562-595.	4.4	63
77	Shaking table tests of magnetorheological damped frame to mitigate the response under real-time online control. Smart Materials and Structures, 2019, 28, 115021.	1.8	9
78	Wind vibration control of stay cables using magnetorheological dampers under optimal equivalent control algorithm. Journal of Sound and Vibration, 2019, 443, 732-747.	2.1	40
79	Theoretical and Experimental Study of Viscoelastic Damper Based on Fractional Derivative Approach and Micromolecular Structures. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.0	21
80	Waterâ€induced mechanically adaptive behavior of carboxylated acrylonitrileâ€butadiene rubber reinforced by bacterial cellulose whiskers. Polymer Engineering and Science, 2019, 59, 58-65.	1.5	9
81	A hysteretic model considering Stribeck effect for small-scale magnetorheological damper. Smart Materials and Structures, 2018, 27, 065021.	1.8	19
82	Seismic behavior and cross-scale refinement model of damage evolution for RC shear walls. Engineering Structures, 2018, 167, 13-25.	2.6	30
83	Impact of blend ratio on the properties of graphene oxideâ€filled carboxylated acrylonitrileâ€“butadiene rubber/styreneâ€“butadiene rubber blends. Polymer International, 2018, 67, 463-470.	1.6	3
84	Performance Tests and Microchain Model Validation of a Novel Kind of MR Fluid with GO-Coated Iron Particles. Journal of Materials in Civil Engineering, 2018, 30, 04018072.	1.3	8
85	Performance tests and modeling on high damping magnetorheological elastomers based on bromobutyl rubber. Journal of Intelligent Material Systems and Structures, 2018, 29, 1025-1037.	1.4	19
86	Impact of various oxidation degrees of graphene oxide on the performance of styreneâ€“butadiene rubber nanocomposites. Polymer Engineering and Science, 2018, 58, 1409-1418.	1.5	14
87	Modeling and analysis of a viscoelastic micro-vibration isolation and mitigation platform for spacecraft. JVC/Journal of Vibration and Control, 2018, 24, 4337-4352.	1.5	12
88	Distributed Strain Damage Identification Technique for Long-Span Bridges Under Ambient Excitation. International Journal of Structural Stability and Dynamics, 2018, 18, 1850133.	1.5	9
89	Preparation and Tests of MR Fluids With CI Particles Coated With MWNTs. Frontiers in Materials, 2018, 5, .	1.2	15
90	Improved Mathematical Model for Analysis of the Payne Effect of Magnetorheological Elastomers. Journal of Aerospace Engineering, 2018, 31, .	0.8	14

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91	Hybrid test on building structures using electrodynamic fatigue test machine. Nondestructive Testing and Evaluation, 2017, 32, 90-102.	1.1	5
92	Simultaneous identification of stiffness, mass, and damping using an on-line model updating approach. Structural Control and Health Monitoring, 2017, 24, e1892.	1.9	6
93	Synergistic effects of hybridization of carbon black and carbon nanotubes on the mechanical properties and thermal conductivity of a rubber blend system. Journal of Polymer Engineering, 2017, 37, 785-794.	0.6	13
94	A Fractional-Order Generalized Thermoelastic Problem of a Bilayer Piezoelectric Plate for Vibration Control. Journal of Heat Transfer, 2017, 139, .	1.2	9
95	Tailoring rubber-filler interfacial interaction and multifunctional rubber nanocomposites by usage of graphene oxide with different oxidation degrees. Composites Part B: Engineering, 2017, 124, 250-259.	5.9	38
96	Experimental and numerical studies on a composite MR damper considering magnetic saturation effect. Engineering Structures, 2017, 132, 576-585.	2.6	25
97	Experimental and theoretical study on a building structure controlled by multi-dimensional earthquake isolation and mitigation devices. Nonlinear Dynamics, 2017, 89, 723-740.	2.7	30
98	Enhanced compatibility and mechanical properties of carboxylated acrylonitrile butadiene rubber/styrene butadiene rubber by using graphene oxide as reinforcing filler. Composites Part B: Engineering, 2017, 111, 243-250.	5.9	50
99	High mechanical properties, thermal conductivity and solvent resistance in graphene oxide/styrene-butadiene rubber nanocomposites by engineering carboxylated acrylonitrile-butadiene rubber. Composites Part B: Engineering, 2017, 130, 257-266.	5.9	49
100	Enhancing mechanical and thermal properties of styrene-butadiene rubber/carboxylated acrylonitrile butadiene rubber blend by the usage of graphene oxide with diverse oxidation degrees. Applied Surface Science, 2017, 423, 584-591.	3.1	45
101	Tests and Modeling of a New Vibration Isolation and Suppression Device. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	7
102	Enhanced mechanical, dielectric, electrical and thermal conductive properties of HXNBR/HNBR blends filled with ionic liquid-modified multiwalled carbon nanotubes. Journal of Materials Science, 2017, 52, 10814-10828.	1.7	28
103	Influence of ionic liquid on the polymerâ€“filler coupling and mechanical properties of nanoâ€silica filled elastomer. Journal of Applied Polymer Science, 2017, 134, .	1.3	10
104	Study on the space frame structures incorporated with magnetorheological dampers. Smart Structures and Systems, 2017, 19, 279-288.	1.9	9
105	Vibration control of platform structures with magnetorheological elastomer isolators based on an improved SAVS law. Smart Materials and Structures, 2016, 25, 065002.	1.8	17
106	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
107	Modeling and experimentation of a viscoelastic microvibration damper based on a chain network model. Journal of Mechanics of Materials and Structures, 2016, 11, 413-432.	0.4	10
108	Enhanced mechanical properties and thermal conductivity of styreneâ€“butadiene rubber reinforced with polyvinylpyrrolidone-modified graphene oxide. Journal of Materials Science, 2016, 51, 5724-5737.	1.7	50

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109	Experimental and Numerical Study on Magnetorheological Fluids Based on Mixing Coated Magnetic Particles. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	16
110	Polyvinyl pyrrolidone modified graphene oxide for improving the mechanical, thermal conductivity and solvent resistance properties of natural rubber. RSC Advances, 2016, 6, 54668-54678.	1.7	52
111	Vibration suppression on a platform by using vibration isolation and mitigation devices. Nonlinear Dynamics, 2016, 83, 1341-1353.	2.7	44
112	A Compact Experimentally Validated Model of Magnetorheological Fluids. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	22
113	Safety and Stability of Light-Rail Train Running on Multispan Bridges with Deformation. Journal of Bridge Engineering, 2016, 21, .	1.4	26
114	Intelligent Vibration Isolation and Mitigation of a Platform by Using MR and VE Devices. Journal of Aerospace Engineering, 2016, 29, .	0.8	21
115	Multifunctional nanocomposites between natural rubber and polyvinyl pyrrolidone modified graphene. Composites Part B: Engineering, 2016, 84, 121-129.	5.9	60
116	Study on the Iced Quad-Bundle Transmission Lines Incorporated With Viscoelastic Antigalloping Devices. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	6
117	Preparation, Property Tests, and Limited Chain Model of Magnetorheological Fluid. Journal of Materials in Civil Engineering, 2015, 27, 04014229.	1.3	5
118	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
119	Horizontal pseudo-dynamic experimental study on long-span reticulated structures with multi-dimensional earthquake isolation and mitigation devices. JVC/Journal of Vibration and Control, 2015, 21, 1086-1099.	1.5	1
120	Damage Detection Strategy Using Strain-Mode Residual Trends for Long-Span Bridges. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	14
121	Equivalent fractional Kelvin model and experimental study on viscoelastic damper. JVC/Journal of Vibration and Control, 2015, 21, 2536-2552.	1.5	80
122	Vertical pseudo-dynamic experimental study on long-span reticulated structures with multi-dimensional earthquake isolation and mitigation devices. JVC/Journal of Vibration and Control, 2014, 20, 2326-2337.	1.5	1
123	Viscoelastic Properties of Magnetorheological Elastomers for Damping Applications. Macromolecular Materials and Engineering, 2014, 299, 1116-1125.	1.7	31
124	Experimental and numerical study on long-span reticulate structure with multidimensional high-damping earthquake isolation devices. Journal of Sound and Vibration, 2014, 333, 3044-3057.	2.1	26
125	Design, performance test and analysis on magnetorheological damper for earthquake mitigation. Structural Control and Health Monitoring, 2013, 20, 956-970.	1.9	70
126	Optimization analysis on parameters of multi-dimensional earthquake isolation and mitigation device based on genetic algorithm. Nonlinear Dynamics, 2013, 72, 757-765.	2.7	22

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127	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
128	Study of the properties of a multi-dimensional earthquake isolation device for reticulated structures. Journal of Constructional Steel Research, 2013, 88, 63-78.	1.7	18
129	Damage Detection to Urban Girder Bridge Using Distributed Strain Response. , 2013, , .		0
130	Bridge Assessment and Health Monitoring with Distributed Long-Gauge FBG Sensors. International Journal of Distributed Sensor Networks, 2013, 9, 494260.	1.3	15
131	Experimental and Modeling Study on Magnetorheological Elastomers with Different Matrices. Journal of Materials in Civil Engineering, 2013, 25, 1762-1771.	1.3	43
132	Fuzzy logic control of the building structure with CLEMR dampers. , 2013, , .		0
133	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
134	Experimental study on vertical performance of multidimensional earthquake isolation and mitigation devices for long-span reticulated structures. JVC/Journal of Vibration and Control, 2012, 18, 1971-1985.	1.5	31
135	Performance tests and mathematical model considering magnetic saturation for magnetorheological damper. Journal of Intelligent Material Systems and Structures, 2012, 23, 1331-1349.	1.4	48
136	Design and Experiment on Single-Chip Microprocessor for MRD Coupling Sensing and Control. International Journal of Distributed Sensor Networks, 2012, 8, 637989.	1.3	1
137	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
138	Damage Detection for Space Truss Structures Based on Strain Mode under Ambient Excitation. Journal of Engineering Mechanics - ASCE, 2012, 138, 1215-1223.	1.6	40
139	Testing and modeling of a CLEMR damper and its application in structural vibration reduction. Nonlinear Dynamics, 2012, 70, 1575-1588.	2.7	18
140	Experimental study on horizontal performance of multi-dimensional earthquake isolation and mitigation devices for long-span reticulated structures. JVC/Journal of Vibration and Control, 2012, 18, 941-952.	1.5	25
141	Magnetoviscoelasticity parametric model of an MR elastomer vibration mitigation device. Smart Materials and Structures, 2012, 21, 075034.	1.8	45
142	Energy Damage Detection Strategy Based on Strain Responses for Long-Span Bridge Structures. Journal of Bridge Engineering, 2011, 16, 644-652.	1.4	52
143	Damage detection strategy for reticulated structures based on incomplete strain mode. Acta Mechanica Solida Sinica, 2011, 24, 308-317.	1.0	2
144	Simulation of stochastic wind field for large complex structures based on modified Fourier spectrum. Journal of Zhejiang University: Science A, 2011, 12, 238-246.	1.3	17

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145	Recent researches on disaster prevention and mitigation in civil engineering. Science China Technological Sciences, 2011, 54, 1351-1354.	2.0	1
146	Experimental study on seismic behavior of RC frames strengthened with CFRP sheets. Composite Structures, 2011, 93, 1595-1603.	3.1	14
147	Research on dynamic collapse model of reticulated shell structures. , 2011, , .		0
148	Stability of single-layer spherical reticulated shell with imperfections. , 2011, , .		0
149	Dynamic failure of single-layer spherical reticulated shell with imperfections. , 2011, , .		0
150	Dynamic failure of double deck spherical reticulated shell with imperfections. , 2011, , .		0
151	Review for dynamic researches in civil engineering in recent years. Science China Technological Sciences, 2010, 53, 1450-1452.	2.0	3
152	Experimental and numerical studies on new multi-dimensional earthquake isolation and mitigation device: Horizontal properties. Science China Technological Sciences, 2010, 53, 2658-2667.	2.0	8
153	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
154	Vertical shaking table tests on the structure with viscoelastic multi-dimensional earthquake isolation and mitigation devices. Science in China Series D: Earth Sciences, 2009, 52, 2869-2876.	0.9	10
155	Horizontal shaking table tests and analysis on structures with multi-dimensional earthquake isolation and mitigation devices. Science in China Series D: Earth Sciences, 2009, 52, 2009-2016.	0.9	6
156	Horizontal shaking table tests on structures using innovative earthquake mitigation devices. Journal of Sound and Vibration, 2009, 325, 34-48.	2.1	27
157	Integrated intelligent control analysis on semi-active structures by using magnetorheological dampers. Science in China Series D: Earth Sciences, 2008, 51, 2280-2294.	0.9	12
158	Neuro-fuzzy control strategy for earthquake-excited nonlinear magnetorheological structures. Soil Dynamics and Earthquake Engineering, 2008, 28, 717-727.	1.9	45
159	Simulation Analysis on Intelligent Structures with Magnetorheological Dampers. Journal of Intelligent Material Systems and Structures, 2008, 19, 715-726.	1.4	8
160	Earthquake Mitigation Study on Viscoelastic Dampers for Reinforced Concrete Structures. JVC/Journal of Vibration and Control, 2007, 13, 29-43.	1.5	95
161	Energy damage detection strategy based on acceleration responses for long-span bridge structures. Engineering Structures, 2007, 29, 609-617.	2.6	65
162	Fuzzy Control Method for Earthquake Mitigation Structures with Magnetorheological Dampers. Journal of Intelligent Material Systems and Structures, 2006, 17, 871-881.	1.4	39

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163	Optimal analysis and experimental study on structures with viscoelastic dampers. Journal of Sound and Vibration, 2004, 273, 607-618.	2.1	45
164	A synthetic optimization analysis method on structures with viscoelastic dampers. Soil Dynamics and Earthquake Engineering, 2003, 23, 683-689.	1.9	47
165	Semi-active control of structures incorporated with magnetorheological dampers using neural networks. Smart Materials and Structures, 2003, 12, 80-87.	1.8	148
166	Cardiac Type cGMP-Inhibited Phosphodiesterase (PDE3A) Gene Structure: Similarity and Difference to Adipocyte Type PDE3B Gene. Biochemical and Biophysical Research Communications, 2000, 268, 827-834.	1.0	17
167	Hammerhead Ribozyme-Mediated Cleavage of the Human Insulin-Like Growth Factor-II Ribonucleic Acid in Vitro and in Prostate Cancer Cells*. Endocrinology, 1999, 140, 2134-2144.	1.4	18
168	Expression of insulin-like growth factor (IGF)-II in human prostate, breast, bladder, and paraganglioma tumors. Cell and Tissue Research, 1998, 291, 469-479.	1.5	62
169	A new robust control strategy for axial flux permanent magnet motor applied on legged lunar robots. JVC/Journal of Vibration and Control, 0, , 107754632110564.	1.5	1
170	A user-configurable electric actuator hybrid test platform: Development and applications for viscoelastic damping system seismic testing. Mechanics of Advanced Materials and Structures, 0, , 1-16.	1.5	1