

Hong Hao

List of Publications by Year in descending order

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Version: 2024-02-01

706
papers

27,488
citations

5574

82
h-index

20358

116
g-index

718
all docs

718
docs citations

718
times ranked

9259
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of enhanced coating layer on the bandgap characteristics and response of metaconcrete. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 175-188.	2.6	6
2	Numerical study on dynamic properties of rubberised concrete with different rubber contents. <i>Defence Technology</i> , 2023, 24, 228-240.	4.2	5
3	Numerical investigation of the failure mechanism of cubic concrete specimens in SHPB tests. <i>Defence Technology</i> , 2022, 18, 1-11.	4.2	15
4	Effect of rubber aggregate size on static and dynamic compressive properties of rubberized concrete. <i>Structural Concrete</i> , 2022, 23, 2510-2522.	3.1	21
5	Effect of fibre reinforcements on shear capacity of geopolymer concrete beams subjected to impact load. <i>International Journal of Impact Engineering</i> , 2022, 159, 104056.	5.0	18
6	Impact responses of precast hollow reinforced concrete beams with prestress tendons using high-fidelity physics-based simulations. <i>Engineering Failure Analysis</i> , 2022, 131, 105850.	4.0	6
7	Experimental and numerical assessment of stress wave attenuation of metaconcrete rods subjected to impulsive loads. <i>International Journal of Impact Engineering</i> , 2022, 159, 104052.	5.0	14
8	Numerical study of using shape memory alloy-based tuned mass dampers to control seismic responses of wind turbine tower. <i>Engineering Structures</i> , 2022, 250, 113452.	5.3	8
9	Dynamic response of monolithic and precast concrete joint with wet connections under impact loads. <i>Engineering Structures</i> , 2022, 250, 113434.	5.3	25
10	Calculation of BLEVE energy and overpressures inside a tunnel using analytical and CFD methods. <i>Tunnelling and Underground Space Technology</i> , 2022, 120, 104263.	6.2	8
11	Discussion on the suitability of dynamic constitutive models for prediction of geopolymer concrete structural responses under blast and impact loading. <i>International Journal of Impact Engineering</i> , 2022, 160, 104064.	5.0	15
12	Improved resistance functions for RC elements accounting for compressive and tensile membrane actions. <i>Engineering Structures</i> , 2022, 251, 113549.	5.3	2
13	Test of Dynamic Mechanical Properties of Ambient-Cured Geopolymer Concrete Using Split Hopkinson Pressure Bar. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	10
14	Free and Forced Vibrations of an Undamped Double-Beam System Carrying a Tip Mass with Rotary Inertia. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	6
15	Effects of Axial Air Deck on Blast-Induced Ground Vibration. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 1037-1053.	5.4	18
16	Dynamic Tensile Properties of Clay Bricks. <i>Mechanics of Materials</i> , 2022, 165, 104157.	3.2	6
17	Experimental methods for inter-module joints in modular building structures – A state-of-the-art review. <i>Journal of Building Engineering</i> , 2022, 46, 103792.	3.4	6
18	Blast resistant enhancement of meta-panels using multiple types of resonators. <i>International Journal of Mechanical Sciences</i> , 2022, 215, 106965.	6.7	20

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19	Influence of connection properties on seismic performance of post-tensioned self-centering concrete frames. <i>Journal of Building Engineering</i> , 2022, 46, 103761.	3.4	1
20	Dynamic compressive properties of reinforced and kirigami modified honeycomb in three axial directions. <i>Thin-Walled Structures</i> , 2022, 171, 108692.	5.3	18
21	A substructural and wavelet multiresolution approach for identifying time-varying physical parameters by partial measurements. <i>Journal of Sound and Vibration</i> , 2022, 523, 116737.	3.9	11
22	Damage detection in bridges under moving loads based on subspace projection residuals. <i>Advances in Structural Engineering</i> , 2022, 25, 979-1001.	2.4	3
23	Data driven structural damage assessment using phase space embedding and Koopman operator under stochastic excitations. <i>Engineering Structures</i> , 2022, 255, 113906.	5.3	9
24	Numerical study of bio-inspired energy-absorbing device using shear thickening fluid (STF). <i>International Journal of Impact Engineering</i> , 2022, 162, 104158.	5.0	18
25	Blast fragility analysis of RC columns considering chloride-induced corrosion of steel reinforcement. <i>Structural Safety</i> , 2022, 96, 102200.	5.3	14
26	Proposed new dry and hybrid concrete joints with GFRP bolts and GFRP reinforcement under cyclic loading: Testing and analysis. <i>Journal of Building Engineering</i> , 2022, 49, 104033.	3.4	3
27	Time-Varying System Identification of Precast Segmental Columns Subjected to Seismic Excitations. <i>Journal of Bridge Engineering</i> , 2022, 27, .	2.9	4
28	Dynamic response of road tunnel subjected to internal Boiling liquid expansion vapour explosion (BLEVE). <i>Tunnelling and Underground Space Technology</i> , 2022, 123, 104363.	6.2	14
29	An innovative pendulum-type column-in-column (PCIC) system for structural vibration control induced by seismic ground excitations. <i>Engineering Structures</i> , 2022, 256, 113990.	5.3	6
30	Prestress Force Monitoring and Quantification of Precast Segmental Beams through Neutral Axis Location Identification. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2756.	2.5	3
31	Effect of grounded blast furnace slag and rice husk ash on performance of ultra-high-performance concrete (UHPC) subjected to impact loading. <i>Construction and Building Materials</i> , 2022, 329, 127213.	7.2	26
32	Structural damage detection by integrating robust PCA and classical PCA for handling environmental variations and imperfect measurement data. <i>Advances in Structural Engineering</i> , 2022, 25, 1815-1828.	2.4	7
33	A reinvestigation of the spring-mass model for metamaterial bandgap prediction. <i>International Journal of Mechanical Sciences</i> , 2022, 221, 107219.	6.7	19
34	Vortex-induced vibration of a full-diamond textured cylinder at subcritical Reynolds numbers. <i>Marine Structures</i> , 2022, 83, 103193.	3.8	3
35	Mechanical properties and energy absorption of bio-inspired hierarchical circular honeycomb. <i>Composites Part B: Engineering</i> , 2022, 236, 109818.	12.0	70
36	Numerical investigation of the failure mechanism of concrete specimens under tri-axial dynamic loads. <i>Engineering Fracture Mechanics</i> , 2022, 266, 108425.	4.3	8

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37	Development of efficient methods for prediction of medium to large scale BLEVE pressure in open space. <i>Chemical Engineering Research and Design</i> , 2022, 161, 421-435.	5.6	10
38	Behaviours of column-in-column (CIC) system under axial compression: Experimental and theoretical studies. <i>Journal of Constructional Steel Research</i> , 2022, 192, 107217.	3.9	1
39	Simultaneous identification of structural damage and nonlinear hysteresis parameters by an evolutionary algorithm-based artificial neural network. <i>International Journal of Non-Linear Mechanics</i> , 2022, 142, 103970.	2.6	9
40	Behavior of Ultrahigh-Performance Concrete Bridge Decks with New Y-Shape FRP Stay-in-Place Formworks. <i>Journal of Composites for Construction</i> , 2022, 26, .	3.2	5
41	Damage evaluation of a welded beam-column joint with surface imperfections subjected to impact loads. <i>Engineering Structures</i> , 2022, 261, 114276.	5.3	8
42	Lifetime seismic performance assessment on post-tensioned self-centering concrete frames considering long-term prestress loss. <i>Engineering Structures</i> , 2022, 262, 114321.	5.3	1
43	Performance of sandwich cladding with modular truncated square pyramid foldcore under projectile impact. <i>International Journal of Impact Engineering</i> , 2022, 166, 104258.	5.0	9
44	Effect of internal explosion on tunnel secondary and adjacent structures: A review. <i>Tunnelling and Underground Space Technology</i> , 2022, 126, 104536.	6.2	10
45	Static mechanical properties and stress wave attenuation of metaconcrete subjected to impulsive loading. <i>Engineering Structures</i> , 2022, 263, 114382.	5.3	5
46	Structural damage detection via phase space based manifold learning under changing environmental and operational conditions. <i>Engineering Structures</i> , 2022, 263, 114420.	5.3	6
47	Structural performance evaluation of UHPC/conventional concrete cast on new Y-shape FRP stay-in-place formwork for concrete bridge decks. <i>Structures</i> , 2022, 41, 1077-1091.	3.6	2
48	Influence of various impact scenarios on the dynamic performance of concrete beam-column joints. <i>International Journal of Impact Engineering</i> , 2022, 167, 104284.	5.0	8
49	Output-only complete mode shape identification of bridges using a limited number of sensors. <i>Mechanical Systems and Signal Processing</i> , 2022, 178, 109246.	8.0	7
50	Structural damage quantification using ensemble-based extremely randomised trees and impulse response functions. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	4.0	2
51	Response of reinforced mortar-less interlocking brick wall under seismic loading. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 6129-6165.	4.1	8
52	Experimental study of mechanical properties of double-helix BFRP fiber reinforced concrete at high strain rates. <i>Cement and Concrete Composites</i> , 2022, 132, 104633.	10.7	9
53	Damage detection of wind turbine blades by Bayesian multivariate cointegration. <i>Ocean Engineering</i> , 2022, 258, 111603.	4.3	14
54	Impact load mitigation of meta-panels with single local resonator. <i>Engineering Structures</i> , 2022, 265, 114528.	5.3	12

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55	Experimental study of reinforced concrete beams reinforced with hybrid spiral-hooked end steel fibres under static and impact loads. <i>Advances in Structural Engineering</i> , 2022, 25, 3019-3030.	2.4	3
56	Impact behavior of beam-column joint with geometric imperfections at weld root. <i>Engineering Structures</i> , 2022, 266, 114611.	5.3	4
57	Structural behavior and vibration characteristics of geopolymer composite lightweight sandwich panels for prefabricated buildings. <i>Journal of Building Engineering</i> , 2022, 57, 104872.	3.4	4
58	Dynamic response reconstruction for structural health monitoring using densely connected convolutional networks. <i>Structural Health Monitoring</i> , 2021, 20, 1373-1391.	7.5	46
59	Deep residual network framework for structural health monitoring. <i>Structural Health Monitoring</i> , 2021, 20, 1443-1461.	7.5	33
60	Origami metamaterial with two-stage programmable compressive strength under quasi-static loading. <i>International Journal of Mechanical Sciences</i> , 2021, 189, 105987.	6.7	54
61	Numerical simulation of medium to large scale BLEVE and the prediction of BLEVE's blast wave in obstructed environment. <i>Chemical Engineering Research and Design</i> , 2021, 145, 94-109.	5.6	27
62	A novel rotational inertia damper for amplifying fluid resistance: Experiment and mechanical model. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107313.	8.0	22
63	Analytical and numerical studies on impact force profile of RC beam under drop weight impact. <i>International Journal of Impact Engineering</i> , 2021, 147, 103743.	5.0	75
64	Flexural behaviour of ambient cured geopolymer concrete beams reinforced with BFRP bars under static and impact loads. <i>Composite Structures</i> , 2021, 261, 113282.	5.8	34
65	In-plane crushing behaviors of hexagonal honeycombs with different Poisson's ratio induced by topological diversity. <i>Thin-Walled Structures</i> , 2021, 159, 107223.	5.3	47
66	Failure mechanism of geopolymer composite lightweight sandwich panel under flexural and edgewise compressive loads. <i>Construction and Building Materials</i> , 2021, 270, 121496.	7.2	8
67	Experimental and numerical investigation on the compressive properties of interlocking blocks. <i>Engineering Structures</i> , 2021, 228, 111561.	5.3	30
68	Crushing performances of Kirigami modified honeycomb structure in three axial directions. <i>Thin-Walled Structures</i> , 2021, 160, 107365.	5.3	27
69	Performance of geopolymer concrete in monolithic and non-corrosive dry joints using CFRP bolts under cyclic loading. <i>Composite Structures</i> , 2021, 258, 113394.	5.8	15
70	Numerical analysis of axial load effects on RC bridge columns under blast loading. <i>Advances in Structural Engineering</i> , 2021, 24, 1399-1414.	2.4	11
71	Development and application of random forest technique for element level structural damage quantification. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2678.	4.0	11
72	Influences of ground motion parameters and structural damping on the optimum design of inerter-based tuned mass dampers. <i>Engineering Structures</i> , 2021, 227, 111422.	5.3	26

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73	New interlocking inter-module connection for modular steel buildings: Simplified structural behaviours. <i>Engineering Structures</i> , 2021, 227, 111409.	5.3	23
74	Investigation on the lateral impact responses of circular concrete-filled double-tube (CFDT) members. <i>Composite Structures</i> , 2021, 255, 112993.	5.8	20
75	The mechanical performance of concrete shear key for prefabricated structures. <i>Advances in Structural Engineering</i> , 2021, 24, 291-306.	2.4	8
76	Review on impact response of reinforced concrete beams: Contemporary understanding and unsolved problems. <i>Advances in Structural Engineering</i> , 2021, 24, 2282-2303.	2.4	11
77	Pullout and flexural performance of silane groups and hydrophilic groups grafted polypropylene fibre reinforced UHPC. <i>Construction and Building Materials</i> , 2021, 277, 122335.	7.2	21
78	Enhanced vibration decomposition method based on multisynchrosqueezing transform and analytical mode decomposition. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2730.	4.0	8
79	Impact response of fibre reinforced geopolymer concrete beams with BFRP bars and stirrups. <i>Engineering Structures</i> , 2021, 231, 111785.	5.3	38
80	Dynamic compressive properties of novel lightweight ambient-cured EPS geopolymer composite. <i>Construction and Building Materials</i> , 2021, 273, 122044.	7.2	29
81	Experimental and numerical studies on square steel-reinforced concrete-filled steel tubular (SRCFST) members subjected to lateral impact. <i>Thin-Walled Structures</i> , 2021, 160, 107409.	5.3	20
82	Shear behaviour of ambient cured geopolymer concrete beams reinforced with BFRP bars under static and impact loads. <i>Engineering Structures</i> , 2021, 231, 111730.	5.3	30
83	Improved analysis method for structural members subjected to blast loads considering strain hardening and softening effects. <i>Advances in Structural Engineering</i> , 2021, 24, 2622-2636.	2.4	7
84	Near real-time bolt loosening detection using mask and region-based convolutional neural network. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2741.	4.0	26
85	Structural damage identification with limited modal measurements and ultra-sparse Bayesian regression. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2729.	4.0	12
86	Spall Behaviors of Metaconcrete: 3D Meso-Scale Modelling. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, 2150121.	2.4	11
87	Free water effect on the dynamic compressive properties of mortar. <i>Cement and Concrete Composites</i> , 2021, 118, 103933.	10.7	21
88	Data driven structural dynamic response reconstruction using segment based generative adversarial networks. <i>Engineering Structures</i> , 2021, 234, 111970.	5.3	56
89	Prediction of BLEVE blast loading using CFD and artificial neural network. <i>Chemical Engineering Research and Design</i> , 2021, 149, 711-723.	5.6	32
90	Nonlinear structural damage detection using output-only Volterra series model. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2802.	4.0	8

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91	Experimental and numerical study on concrete beams reinforced with Basalt FRP bars under static and impact loads. <i>Composite Structures</i> , 2021, 263, 113648.	5.8	52
92	Lateral behaviour of modular steel building with simplified models of new inter-module connections. <i>Engineering Structures</i> , 2021, 236, 112103.	5.3	19
93	Improving identifiability of structural damage using higher order responses and phase space technique. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2808.	4.0	4
94	A state-of-the-art review of road tunnel subjected to blast loads. <i>Tunnelling and Underground Space Technology</i> , 2021, 112, 103911.	6.2	43
95	Model for analytical investigation on meta-lattice truss for low-frequency spatial wave manipulation. <i>Wave Motion</i> , 2021, 103, 102735.	2.0	14
96	Physical and Mechanical Properties of New Lightweight Ambient-Cured EPS Geopolymer Composites. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	11
97	Numerical analysis of dynamic responses of laminated glass window subjected to gas explosions. <i>Engineering Structures</i> , 2021, 238, 112243.	5.3	6
98	Energy absorption characteristics of bio-inspired hierarchical multi-cell square tubes under axial crushing. <i>International Journal of Mechanical Sciences</i> , 2021, 201, 106464.	6.7	119
99	Review of piezoelectric impedance based structural health monitoring: Physics-based and data-driven methods. <i>Advances in Structural Engineering</i> , 2021, 24, 3609-3626.	2.4	15
100	Stress Wave Mitigation Properties of Dual-meta Panels against Blast Loads. <i>International Journal of Impact Engineering</i> , 2021, 154, 103877.	5.0	27
101	Dynamic tensile behaviors of welded steel joint material. <i>Journal of Constructional Steel Research</i> , 2021, 183, 106700.	3.9	8
102	Development of double-helix macro BFRP fibers for concrete reinforcement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	3
103	Experimental and analytical study of flexural behaviour of BFRP sheets strengthened RC beams with new epoxy anchors. <i>Engineering Structures</i> , 2021, 241, 112441.	5.3	5
104	Identification of time-varying nonlinear structural physical parameters by integrated WMA and UKF/UKF-UI. <i>Nonlinear Dynamics</i> , 2021, 106, 681-706.	5.2	11
105	Numerical study on bending response of precast segmental concrete beams externally prestressed with FRP tendons. <i>Engineering Structures</i> , 2021, 241, 112423.	5.3	19
106	Performance of monolithic and dry joints with GFRP bolts reinforced with different fibres and GFRP bars under impact loading. <i>Engineering Structures</i> , 2021, 240, 112341.	5.3	16
107	Inerter-based structural vibration control: A state-of-the-art review. <i>Engineering Structures</i> , 2021, 243, 112655.	5.3	139
108	Probabilistic model updating via variational Bayesian inference and adaptive Gaussian process modeling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 383, 113915.	6.6	49

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109	Dynamic compressive properties of high volume fly ash (HVFA) concrete with nano silica. <i>Construction and Building Materials</i> , 2021, 301, 124352.	7.2	19
110	Sensitivity of lateral impact response of RC columns reinforced with GFRP bars and stirrups to concrete strength and reinforcement ratio. <i>Engineering Structures</i> , 2021, 242, 112512.	5.3	20
111	Passive vibration control of engineering structures based on an innovative column-in-column (CIC) concept. <i>Engineering Structures</i> , 2021, 242, 112599.	5.3	10
112	Impact response of a novel sandwich structure with Kirigami modified corrugated core. <i>International Journal of Impact Engineering</i> , 2021, 156, 103953.	5.0	25
113	Densely connected convolutional networks for vibration based structural damage identification. <i>Engineering Structures</i> , 2021, 245, 112871.	5.3	25
114	Effect of high strain rate and confinement on the compressive properties of autoclaved aerated concrete. <i>International Journal of Impact Engineering</i> , 2021, 156, 103943.	5.0	12
115	Wave flume tests of a semi-submersible platform controlled by a novel rotational inertia damper. <i>Ocean Engineering</i> , 2021, 238, 109718.	4.3	2
116	Numerical evaluation of the impact performance of precast concrete segmental columns and strengthening techniques. <i>Engineering Structures</i> , 2021, 244, 112725.	5.3	9
117	An investigation of impact resistance capacity of polypropylene (PP) added plasterboard subjected to soft-body impact. <i>Composite Structures</i> , 2021, 275, 114370.	5.8	2
118	Reliability based design optimization of bridges considering bridge-vehicle interaction by Kriging surrogate model. <i>Engineering Structures</i> , 2021, 246, 112989.	5.3	16
119	On the accuracy, reliability and controllability of impact tests of RC beams. <i>International Journal of Impact Engineering</i> , 2021, 157, 103979.	5.0	33
120	Computer vision based target-free 3D vibration displacement measurement of structures. <i>Engineering Structures</i> , 2021, 246, 113040.	5.3	41
121	Superelastic CuAlBe wire-based sliding lead rubber bearings for seismic isolation of bridges in cold regions. <i>Engineering Structures</i> , 2021, 247, 113102.	5.3	18
122	Crashworthiness analysis of bio-inspired fractal tree-like multi-cell circular tubes under axial crushing. <i>Thin-Walled Structures</i> , 2021, 169, 108315.	5.3	74
123	Experimental and numerical studies of the shear resistance capacities of interlocking blocks. <i>Journal of Building Engineering</i> , 2021, 44, 103230.	3.4	5
124	Effect of engineered aggregate configuration and design on stress wave attenuation of metaconcrete rod structure. <i>International Journal of Solids and Structures</i> , 2021, 232, 111182.	2.7	13
125	Experimental investigation on dynamic properties of ultra-high-performance rubberized concrete (UHPRuC). <i>Construction and Building Materials</i> , 2021, 307, 125104.	7.2	26
126	Damping properties and dynamic responses of metaconcrete beam structures subjected to transverse loading. <i>Construction and Building Materials</i> , 2021, 311, 125273.	7.2	11

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127	Numerical investigation of flexural behaviours of precast segmental concrete beams internally post-tensioned with unbonded FRP tendons under monotonic loading. <i>Engineering Structures</i> , 2021, 249, 113341.	5.3	22
128	Using a single sensor for bridge condition monitoring via moving embedded principal component analysis. <i>Structural Health Monitoring</i> , 2021, 20, 3123-3149.	7.5	6
129	Using Deep Learning Technique for Recovering the Lost Measurement Data. <i>Lecture Notes in Civil Engineering</i> , 2021, , 229-237.	0.4	2
130	Using Novel Time Frequency Analysis Method for Time-Varying System Identification. <i>Lecture Notes in Civil Engineering</i> , 2021, , 239-246.	0.4	0
131	Influence of Ground Motion Duration on Responses of Concrete Gravity Dams. <i>Journal of Earthquake Engineering</i> , 2020, 24, 1156-1180.	2.5	18
132	The correlation of theoretical contact models for normal elastic-plastic impacts. <i>International Journal of Solids and Structures</i> , 2020, 182-183, 15-33.	2.7	20
133	Dynamic Compressive Test of Gas-Containing Coal Using a Modified Split Hopkinson Pressure Bar System. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 815-829.	5.4	64
134	Bridge condition monitoring under moving loads using two sensor measurements. <i>Structural Health Monitoring</i> , 2020, 19, 917-937.	7.5	29
135	Non-probabilistic method to consider uncertainties in frequency response function for vibration-based damage detection using Artificial Neural Network. <i>Journal of Sound and Vibration</i> , 2020, 467, 115069.	3.9	74
136	A state-of-the-art review on the vibration mitigation of wind turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 121, 109710.	16.4	110
137	Effects of steel fibres and prestress levels on behaviour of newly proposed exterior dry joints using SFRC and CFRP bolts. <i>Engineering Structures</i> , 2020, 205, 110083.	5.3	19
138	Experimental investigation on lightweight rubberized concrete beams strengthened with BFRP sheets subjected to impact loads. <i>Engineering Structures</i> , 2020, 205, 110095.	5.3	42
139	Experimental and numerical studies of the seismic behavior of a steel-concrete composite rigid-frame bridge subjected to the surface rupture at a thrust fault. <i>Engineering Structures</i> , 2020, 205, 110105.	5.3	38
140	Textured pipe-in-pipe system: A compound passive technique for vortex-induced vibration control. <i>Applied Ocean Research</i> , 2020, 95, 102044.	4.1	8
141	Dynamic compressive properties of lightweight rubberized concrete. <i>Construction and Building Materials</i> , 2020, 238, 117705.	7.2	72
142	Dynamic compressive properties of lightweight rubberized geopolymer concrete. <i>Construction and Building Materials</i> , 2020, 265, 120753.	7.2	66
143	Experimental and numerical assessment of welded steel beam-column connections under impact loading. <i>Journal of Constructional Steel Research</i> , 2020, 175, 106368.	3.9	22
144	Dynamic interfacial bond behaviour between basalt fiber reinforced polymer sheets and concrete. <i>International Journal of Solids and Structures</i> , 2020, 202, 587-604.	2.7	8

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145	Non-probabilistic method to consider uncertainties in structural damage identification based on Hybrid Jaya and Tree Seeds Algorithm. <i>Engineering Structures</i> , 2020, 220, 110925.	5.3	29
146	Post-cracking behaviour of basalt and macro polypropylene hybrid fibre reinforced concrete with different compressive strengths. <i>Construction and Building Materials</i> , 2020, 262, 120108.	7.2	97
147	Factors influencing impact force profile and measurement accuracy in drop weight impact tests. <i>International Journal of Impact Engineering</i> , 2020, 145, 103688.	5.0	51
148	Defect detection in pipe structures using stochastic resonance of Duffing oscillator and ultrasonic guided waves. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 187, 104168.	2.6	9
149	Fragility analyses of offshore wind turbines subjected to aerodynamic and sea wave loadings. <i>Renewable Energy</i> , 2020, 160, 1269-1282.	8.9	29
150	Behavior of Precast Segmental Concrete Beams Prestressed with External Steel and CFRP Tendons. <i>Journal of Composites for Construction</i> , 2020, 24, .	3.2	19
151	Damage Detection in Initially Nonlinear Structures Based on Variational Mode Decomposition. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042009.	2.4	13
152	Dynamic compressive properties of Kalgoorlie basalt rock. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 135, 104512.	5.8	13
153	Ductile and dry exterior joints using CFRP bolts for moment-resisting frames. <i>Structures</i> , 2020, 28, 668-684.	3.6	17
154	High-resolution time-frequency representation for instantaneous frequency identification by adaptive Duffing oscillator. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2635.	4.0	8
155	Numerical study of the seismic performance and damage mitigation of steel-concrete composite rigid-frame bridge subjected to across-fault ground motions. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 6687-6714.	4.1	27
156	Simplified structural behaviours of post-tensioned inter-module connection for modular buildings. <i>Journal of Constructional Steel Research</i> , 2020, 175, 106347.	3.9	17
157	Energy absorption of kirigami modified corrugated structure. <i>Thin-Walled Structures</i> , 2020, 154, 106829.	5.3	26
158	Stress Wave Propagation and Structural Response of Precast Concrete Segmental Columns under Simulated Blast Loads. <i>International Journal of Impact Engineering</i> , 2020, 143, 103595.	5.0	23
159	Heave motion mitigation of semi-submersible platform using inerter-based vibration isolation system (IVIS). <i>Engineering Structures</i> , 2020, 219, 110833.	5.3	26
160	The influence of design parameters of engineered aggregate in metaconcrete on bandgap region. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 139, 103929.	4.8	31
161	Effect of Adding Methylcellulose on Mechanical and Vibration Properties of Geopolymer Paste and Hybrid Fiber-Reinforced Geopolymer Composite. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	9
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