

Chunwei Zhang

List of Publications by Year in descending order

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187
papers

4,635
citations

71102

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190
all docs

190
docs citations

190
times ranked

2406
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear dynamic behavior of simply-supported RC beams subjected to combined impact-blast loading. <i>Engineering Structures</i> , 2019, 181, 124-142.	5.3	154
2	Structural Damage Localization and Quantification Based on a CEEMDAN Hilbert Transform Neural Network Approach: A Model Steel Truss Bridge Case Study. <i>Sensors</i> , 2020, 20, 1271.	3.8	104
3	The Strain Transfer Mechanism of Fiber Bragg Grating Sensor for Extra Large Strain Monitoring. <i>Sensors</i> , 2019, 19, 1851.	3.8	103
4	Blast loads induced responses of RC structural members: State-of-the-art review. <i>Composites Part B: Engineering</i> , 2020, 195, 108066.	12.0	102
5	Nonlinear numerical analysis and progressive damage assessment of a cable-stayed bridge pier subjected to ship collision. <i>Marine Structures</i> , 2020, 69, 102662.	3.8	100
6	Numerical analysis of axially loaded RC columns subjected to the combination of impact and blast loads. <i>Engineering Structures</i> , 2020, 219, 110924.	5.3	99
7	Vibration feature extraction using signal processing techniques for structural health monitoring: A review. <i>Mechanical Systems and Signal Processing</i> , 2022, 177, 109175.	8.0	96
8	Fibre Bragg grating sensor-based damage response monitoring of an asymmetric reinforced concrete shear wall structure subjected to progressive seismic loads. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2307.	4.0	90
9	Effects of axial load on nonlinear response of RC columns subjected to lateral impact load: Ship-pier collision. <i>Engineering Failure Analysis</i> , 2018, 91, 397-418.	4.0	88
10	Assessment of damage to an underground box tunnel by a surface explosion. <i>Tunnelling and Underground Space Technology</i> , 2017, 66, 64-76.	6.2	87
11	Performance Assessment of Concrete and Steel Material Models in LS-DYNA for Enhanced Numerical Simulation, A State of the Art Review. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 2921-2942.	10.2	80
12	Numerical Study on Hysteretic Behaviour of Horizontal-Connection and Energy-Dissipation Structures Developed for Prefabricated Shear Walls. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1240.	2.5	72
13	Parameter optimization and analysis of a vehicle suspension system controlled by magnetorheological fluid dampers. <i>Structural Control and Health Monitoring</i> , 2006, 13, 885-896.	4.0	70
14	Modeling and dynamical performance of the electromagnetic mass driver system for structural vibration control. <i>Engineering Structures</i> , 2015, 82, 93-103.	5.3	70
15	Early Monitoring of Rebar Corrosion Evolution Based on FBG Sensor. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1840001.	2.4	69
16	Control Structure Interaction of Electromagnetic Mass Damper System for Structural Vibration Control. <i>Journal of Engineering Mechanics - ASCE</i> , 2008, 134, 428-437.	2.9	68
17	State-of-the-Art Review on Responses of RC Structures Subjected to Lateral Impact Loads. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 2477-2507.	10.2	67
18	Development of Wireless MEMS Inclination Sensor System for Swing Monitoring of Large-Scale Hook Structures. <i>IEEE Transactions on Industrial Electronics</i> , 2009, 56, 1072-1078.	7.9	66

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19	Swing vibration control of suspended structures using the Active Rotary Inertia Driver system: Theoretical modeling and experimental verification. Structural Control and Health Monitoring, 2020, 27, e2543.	4.0	65
20	Influence of seismic incident angle on response uncertainty and structural performance of tall asymmetric structure. Structural Design of Tall and Special Buildings, 2020, 29, e1750.	1.9	64
21	On the rheological properties of multi-walled carbon nano-polyvinylpyrrolidone/silicon-based shear thickening fluid. Nanotechnology Reviews, 2021, 10, 1339-1348.	5.8	64
22	Experimental and numerical investigation on the complex behaviour of the localised seismic response in a multi-storey plan-asymmetric structure. Structure and Infrastructure Engineering, 2021, 17, 86-102.	3.7	63
23	Experimental Investigation on the Mechanical Properties of Curved Metallic Plate Dampers. Applied Sciences (Switzerland), 2020, 10, 269.	2.5	62
24	Structural damage detection method based on the complete ensemble empirical mode decomposition with adaptive noise: a model steel truss bridge case study. Structural Health Monitoring, 2022, 21, 887-912.	7.5	60
25	Health Monitoring of Bolted Spherical Joint Connection Based on Active Sensing Technique Using Piezoceramic Transducers. Sensors, 2018, 18, 1727.	3.8	59
26	Swing Vibration Control of Suspended Structure Using Active Rotary Inertia Driver System: Parametric Analysis and Experimental Verification. Applied Sciences (Switzerland), 2019, 9, 3144.	2.5	59
27	Dynamic performance of concrete columns retrofitted with FRP using segment pressure technique. Composite Structures, 2021, 260, 113473.	5.8	59
28	The advancement of seismic isolation and energy dissipation mechanisms based on friction. Soil Dynamics and Earthquake Engineering, 2021, 146, 106746.	3.8	59
29	Development of pressure-impulse models and residual capacity assessment of RC columns using high fidelity Arbitrary Lagrangian-Eulerian simulation. Engineering Structures, 2020, 224, 111219.	5.3	58
30	The role of viscoelastic damping on retrofitting seismic performance of asymmetric reinforced concrete structures. Earthquake Engineering and Engineering Vibration, 2020, 19, 223-237.	2.3	58
31	Large deflection behavior effect in reinforced concrete columns exposed to extreme dynamic loads. Frontiers of Structural and Civil Engineering, 2020, 14, 532-553.	2.9	58
32	Robustness of the Active Rotary Inertia Driver System for Structural Swing Vibration Control Subjected to Multi-Type Hazard Excitations. Applied Sciences (Switzerland), 2019, 9, 4391.	2.5	57
33	Direct Use of the Savitzky-Golay Filter to Develop an Output-Only Trend Line-Based Damage Detection Method. Sensors, 2020, 20, 1983.	3.8	57
34	A review on the applications of polyurea in the construction industry. Polymers for Advanced Technologies, 2021, 32, 2797-2812.	3.2	57
35	Investigation on low-cost friction-based isolation systems for masonry building structures: Experimental and numerical studies. Engineering Structures, 2021, 243, 112645.	5.3	57
36	Real-time hybrid simulation approach for performance validation of structural active control systems: a linear motor actuator based active mass driver case study. Structural Control and Health Monitoring, 2014, 21, 574-589.	4.0	51

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37	Comparison of ALE, LBE and pressure time history methods to evaluate extreme loading effects in RC column. Structures, 2020, 28, 456-466.	3.6	50
38	Beam Damage Detection Under a Moving Load Using Random Decrement Technique and Savitzky-Golay Filter. Sensors, 2020, 20, 243.	3.8	49
39	A Circular-Polarization Reconfigurable Meng-Shaped Patch Antenna. IEEE Access, 2018, 6, 51419-51428.	4.2	48
40	Active mass driver control system for suppressing wind-induced vibration of the Canton Tower. Smart Structures and Systems, 2014, 13, 281-303.	1.9	46
41	Control Force Characteristics of Different Control Strategies for the Wind-Excited 76-Story Benchmark Building Structure. Advances in Structural Engineering, 2014, 17, 543-559.	2.4	45
42	Surface energy and thermal stress effect on nonlinear vibration of electrostatically actuated circular micro-/nanoplates based on modified couple stress theory. Acta Mechanica, 2017, 228, 129-140.	2.1	43
43	Cracking and thermal shock resistance of a Bi ₂ Te ₃ based thermoelectric material. Engineering Fracture Mechanics, 2016, 152, 1-9.	4.3	42
44	Is it time to embrace building integrated Photovoltaics? A review with particular focus on Australia. Solar Energy, 2019, 188, 1118-1133.	6.1	42
45	Wideband subwavelength-profile circularly polarised array antenna using anisotropic metasurface. Electronics Letters, 2015, 51, 1403-1405.	1.0	41
46	Remedial Modelling of Steel Bridges through Application of Analytical Hierarchy Process (AHP). Applied Sciences (Switzerland), 2017, 7, 168.	2.5	40
47	Loading rate effects on the responses of simply supported RC beams subjected to the combination of impact and blast loads. Engineering Structures, 2019, 201, 109837.	5.3	40
48	Broadband artistic antenna array composed of circularly-polarized Wang-shaped patch elements. AEU - International Journal of Electronics and Communications, 2017, 74, 116-122.	2.9	36
49	Seismic control performance for Pounding Tuned Massed Damper based on viscoelastic pounding force analytical method. Journal of Sound and Vibration, 2017, 411, 362-377.	3.9	35
50	Experimental and numerical investigation on in-plane impact behaviour of chiral auxetic structure. Composite Structures, 2021, 267, 113922.	5.8	34
51	UFSW tool pin profile effects on properties of aluminium-steel joint. Vacuum, 2021, 192, 110460.	3.5	34
52	Experimental study on the displacement patterns and the phase diagram of immiscible fluid displacement in three-dimensional porous media. Advances in Water Resources, 2020, 140, 103584.	3.8	32
53	Looseness Monitoring of Bolted Spherical Joint Connection Using Electro-Mechanical Impedance Technique and BP Neural Networks. Sensors, 2019, 19, 1906.	3.8	31
54	Dielectric Characterization of Chinese Standard Concrete for Compressive Strength Evaluation. Applied Sciences (Switzerland), 2017, 7, 177.	2.5	30

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55	Control Performance and Robustness of Pounding Tuned Mass Damper for Vibration Reduction in SDOF Structure. Shock and Vibration, 2016, 2016, 1-15.	0.6	29
56	Low velocity impact resistance of bio-inspired building ceramic composites with nacre-like structure. Construction and Building Materials, 2018, 169, 851-858.	7.2	29
57	Analysis of girder bridge pier subjected to barge collision considering the superstructure interactions: the case study of a multiple-pier bridge system. Structure and Infrastructure Engineering, 2019, 15, 392-412.	3.7	29
58	Comprehensive performances of carbon nanotube reinforced foam concrete with tetraethyl orthosilicate impregnation. Construction and Building Materials, 2017, 131, 512-516.	7.2	28
59	Experimental Investigation of a Base Isolation System Incorporating MR Dampers with the High-Order Single Step Control Algorithm. Applied Sciences (Switzerland), 2017, 7, 344.	2.5	28
60	Expansion prediction of alkali aggregate reactivity-affected concrete structures using a hybrid soft computing method. Neural Computing and Applications, 2019, 31, 8641-8660.	5.6	28
61	Shear-thickening performance of suspensions of mixed ceria and silica nanoparticles. Journal of Materials Science, 2019, 54, 346-355.	3.7	28
62	Effects of soil-pile interaction on the response of bridge pier to barge collision using energy distribution method. Structure and Infrastructure Engineering, 2018, 14, 1520-1534.	3.7	27
63	Strain Transfer Analysis of a Clamped Fiber Bragg Grating Sensor. Applied Sciences (Switzerland), 2017, 7, 188.	2.5	25
64	Influences of multi-walled carbon nanotube (MCNT) fraction, moisture, stress/strain level on the electrical properties of MCNT cement-based composites. Sensors and Actuators A: Physical, 2018, 280, 413-421.	4.1	25
65	Superwide-Range Fiber Bragg Grating Displacement Sensor Based on an Eccentric Gear: Principles and Experiments. Journal of Aerospace Engineering, 2019, 32, .	1.4	25
66	Three-dimensional fingering structures in immiscible flow at the crossover from viscous to capillary fingering. International Journal of Multiphase Flow, 2020, 122, 103147.	3.4	25
67	Vibration analysis of a sandwich cylindrical shell in hygrothermal environment. Nanotechnology Reviews, 2021, 10, 414-430.	5.8	25
68	Investigation of five different low-cost locally available isolation layer materials used in sliding base isolation systems. Soil Dynamics and Earthquake Engineering, 2022, 154, 107127.	3.8	25
69	Thermoelastic behavior of a thermoelectric thin-film attached to an infinite elastic substrate. Philosophical Magazine, 2017, 97, 43-57.	1.6	24
70	Damage detection and localization of a steel truss bridge model subjected to impact and white noise excitations using empirical wavelet transform neural network approach. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110060.	5.0	24
71	Mechanical model for a thermoelectric thin film bonded to an elastic infinite substrate. Mechanics of Materials, 2017, 114, 88-96.	3.2	23
72	Effect of Specimen Shapes on Compressive Strength of Engineered Cementitious Composites (ECCs) with Different Values of Water-to-Binder Ratio and PVA Fiber. Arabian Journal for Science and Engineering, 2018, 43, 1825-1837.	3.0	23

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73	Effect of capillary number on morphological characterizations of trapped gas bubbles: Study by using micro-tomography. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120508.	4.8	23
74	Piezoresistive properties of cement composites reinforced by functionalized carbon nanotubes using photo-assisted Fenton. <i>Smart Materials and Structures</i> , 2017, 26, 035025.	3.5	22
75	Data-driven system parameter change detection for a chain-like uncertainties embedded structure. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2821.	4.0	22
76	Reliability analysis of girder bridge piers subjected to barge collisions. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 1200-1220.	3.7	21
77	A novel cellular substrate for flexible electronics with negative Poisson ratios under large stretching. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 314-321.	6.7	21
78	Pore-scale study of in-situ surfactant flooding with strong oil emulsification in sandstone based on X-ray microtomography. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 247-261.	5.8	21
79	Nonlinear failure analysis of bridge pier subjected to vessel impact combined with blast loads. <i>Ocean Engineering</i> , 2021, 234, 109209.	4.3	21
80	Development of P-I model for FRP composite retrofitted RC columns subjected to high strain rate loads using LBE function. <i>Engineering Structures</i> , 2022, 252, 113580.	5.3	21
81	Influence of seismic orientation on the statistical distribution of nonlinear seismic response of the stiffness-eccentric structure. <i>Structures</i> , 2022, 39, 387-404.	3.6	19
82	Experimental Investigation on Semi-Active Control of Base Isolation System Using Magnetorheological Dampers for Concrete Frame Structure. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3866.	2.5	18
83	An empirical time-domain trend line-based bridge signal decomposing algorithm using Savitzky-Golay filter. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2750.	4.0	17
84	Swinging motion control of suspended structures: Principles and applications. <i>Structural Control and Health Monitoring</i> , 2009, 17, n/a-n/a.	4.0	15
85	Design and Experimental Investigations of a Vibration Based Wireless Measurement System for Bridge Cable Tension Monitoring. <i>Advances in Structural Engineering</i> , 2014, 17, 1657-1668.	2.4	15
86	Thermal shock fracture mechanics of a cracked solid based on the dual-phase-lag heat conduction theory considering inertia effect. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 86, 309-316.	4.7	15
87	Stochastic extreme motion analysis of jack-up responses during wet towing. <i>Ocean Engineering</i> , 2016, 111, 56-66.	4.3	15
88	Theoretical and numerical investigation on in-plane impact performance of chiral honeycomb core structure. <i>Journal of Structural Integrity and Maintenance</i> , 2018, 3, 95-105.	1.5	15
89	Control strategies and experimental verifications of the electromagnetic mass damper system for structural vibration control. <i>Earthquake Engineering and Engineering Vibration</i> , 2008, 7, 181-192.	2.3	14
90	Effect of zirconia nanoparticles on the rheological properties of silica-based shear thickening fluid. <i>Materials Research Express</i> , 2018, 5, 055705.	1.6	14

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91	Theoretical model of fatigue crack growth of a thermoelectric pn-junction bonded to an elastic substrate. <i>Mechanics of Materials</i> , 2020, 151, 103623.	3.2	14
92	Failure Probabilities of FRP Strengthened RC Column to Blast Loads. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq0 0 0 rgBT /Overlook 10 Tf 5	0.4	13
93	Microwave Non-Destructive Inspection and Prediction of Modulus of Rupture and Modulus of Elasticity of Engineered Cementitious Composites (ECCs) Using Dual-Frequency Correlation. <i>Sensors</i> , 2017, 17, 2831.	3.8	12
94	Analysis of delamination of unimorph cantilever piezoelectric energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 1875-1883.	2.5	12
95	Bridge Abutment Movement and Approach Settlement “ A Case Study and Scenario Analysis. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1840011.	2.4	12
96	Effects of appearance characteristics on the mechanical properties of defective SWCNTs: using finite element methods and molecular dynamics simulation. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	12
97	Numerical Investigation on the Non-Linear Response of Reinforced Concrete (RC) Columns Subjected to Extreme Dynamic Loads. <i>Journal of Asian Scientific Research</i> , 2017, 7, 86-98.	0.2	11
98	Prediction of Residual Axial Load Carrying Capacity of Reinforced Concrete (RC) Columns Subjected to Extreme Dynamic Loads. <i>American Journal of Engineering and Applied Sciences</i> , 2017, 10, 431-448.	0.6	11
99	Free vibrations of rotating CNTRC beams in thermal environment. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101355.	5.7	11
100	Insight into energy dissipation behavior of a SDOF structure controlled by the pounding tuned mass damper system. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 958-973.	4.4	11
101	Strength Correlation and Prediction of Engineered Cementitious Composites with Microwave Properties. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 35.	2.5	10
102	Review of the basics of state of the art of blast loading. <i>Asian Journal of Civil Engineering</i> , 2018, 19, 775-791.	1.6	10
103	Effects of Dissolution Fingering on Mass Transfer Rate in Three-Dimensional Porous Media. <i>Water Resources Research</i> , 2021, 57, e2020WR029353.	4.2	10
104	Wave propagation analysis of sandwich FGM nanoplate surrounded by viscoelastic foundation. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, .	3.8	10
105	Numerical simulation of dynamic response and collapse for steel frame structures subjected to blast load. <i>Transactions of Tianjin University</i> , 2008, 14, 523-529.	6.4	9
106	Polarization-Rotated Waveguide Antennas for Base-Station Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1545-1548.	4.0	9
107	Effect of seawater exposure on compressive behavior of concrete columns reinforced longitudinally with glass fiber reinforced polymer bars. <i>Journal of Composite Materials</i> , 2018, 52, 2289-2299.	2.4	9
108	Fracture analysis of flexoelectric double cantilever beams based on the strain gradient theory. <i>Composite Structures</i> , 2018, 202, 1322-1329.	5.8	9

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109	Investigation into Damage Criterion and Failure Modes of RC Structures When Subjected to Extreme Dynamic Loads. Archives of Computational Methods in Engineering, 2020, 27, 501-515.	10.2	9
110	Pore-scale investigation of wettability impact on residual nonaqueous phase liquid dissolution in natural porous media. Science of the Total Environment, 2021, 787, 147406.	8.0	9
111	Damage detection and characterization of a scaled model steel truss bridge using combined complete ensemble empirical mode decomposition with adaptive noise and multiple signal classification approach. Structural Health Monitoring, 2022, 21, 1833-1848.	7.5	9
112	Evaluating contradictory relationship between floor rotation and torsional irregularity coefficient under varying orientations of ground motion. Earthquake and Structures, 2016, 11, 1027-1041.	1.0	9
113	Seismic performance assessment of steel frames with slack cable bracing systems. Engineering Structures, 2022, 250, 113437.	5.3	9
114	Intrinsic Sensing Properties of Chrysotile Fiber Reinforced Piezoelectric Cement-Based Composites. Sensors, 2018, 18, 2999.	3.8	8
115	An Updated Analytical Structural Pounding Force Model Based on Viscoelasticity of Materials. Shock and Vibration, 2016, 2016, 1-15.	0.6	7
116	Correlation between microwave properties and compressive strength of engineered cementitious mortar. Microwave and Optical Technology Letters, 2016, 58, 2696-2699.	1.4	7
117	Pushover Analysis on Infill Effects on the Failure Pattern of Reinforced Concrete Frames. Applied Sciences (Switzerland), 2017, 7, 428.	2.5	7
118	Response Simulation, Data Cleansing and Restoration of Dynamic and Static Measurements Based on Deep Learning Algorithms. International Journal of Concrete Structures and Materials, 2018, 12, .	3.2	7
119	A Zhong-Shaped Patch Antenna. , 2018, , .		7
120	Kanji Patch Antennas. , 2018, , .		7
121	Real-Time Tracking of Structural Stiffness Reduction with Unknown Inputs, Using Self-Adaptive Recursive Least-Square and Curvature-Change Techniques. International Journal of Structural Stability and Dynamics, 2019, 19, 1950123.	2.4	7
122	Axial Compressive Behavior of Steel-Damping-Concrete Composite Wall. Applied Sciences (Switzerland), 2019, 9, 4679.	2.5	7
123	Thermo-mechanical buckling analysis of FG-GNPs reinforced composites sandwich microplates using a trigonometric four-variable shear deformation theory. Case Studies in Thermal Engineering, 2021, 26, 101120.	5.7	7
124	A hybrid sequential approach for solving environmentally constrained optimal scheduling in co-generation systems. Energy Reports, 2021, 7, 3460-3479.	5.1	7
125	Modified couple stress theory application to analyze mechanical buckling behavior of three-layer rectangular microplates with honeycomb core and piezoelectric face sheets. Composite Structures, 2022, 292, 115582.	5.8	7
126	Shake Table Test for the Collapse Investigation of a Typical Multi-Story Reinforced Concrete Frame Structure in the Meizoseismal Area. Applied Sciences (Switzerland), 2017, 7, 593.	2.5	6

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127	Fracture analysis of superconducting composites with a sandwich structure based on electromagnetic–thermal coupled model. <i>Acta Mechanica</i> , 2019, 230, 4435-4451.	2.1	6
128	Size effect on thermo-mechanical instability of micro/nano scale organic solar cells. <i>Meccanica</i> , 2022, 57, 87-107.	2.0	6
129	Pore-scale investigation on microemulsion-based quasi-miscible flooding for EOR in water-wet/oil-wet reservoirs: A 3D study by X-ray microtomography. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110788.	4.2	6
130	Coupled and uncoupled seepage-stress analysis of roller compacted concrete dams. <i>ISH Journal of Hydraulic Engineering</i> , 2017, 23, 92-101.	2.1	5
131	Effectiveness of Using Polymer Bumpers to Mitigate Earthquake-Induced Pounding between Buildings of Unequal Heights. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-14.	0.7	5
132	Automated layout design of multi-span reinforced concrete beams using charged system search algorithm. <i>Engineering Computations</i> , 2018, 35, 1402-1413.	1.4	5
133	Strength Prediction and Correlation of Cement Composites: A Cross-Disciplinary Approach. <i>IEEE Access</i> , 2019, 7, 41746-41756.	4.2	5
134	Anti-plane fracture mechanics analysis of a piezoelectric material layer with strain and electric field gradient effects. <i>Mechanics Research Communications</i> , 2019, 102, 103439.	1.8	5
135	On the asymmetric thermal stability of FGM annular plates reinforced with graphene nanoplatelets. <i>Engineering With Computers</i> , 2022, 38, 4569-4581.	6.1	5
136	A stochastic analysis framework for a steel frame structure using wireless sensor system measurements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 69, 202-209.	5.0	4
137	A study into the PIN diode-based active metasurface for beam steering applications. , 2017, , .		4
138	Numerical Analysis and Optimization on Piezoelectric Properties of 0/3 Type Piezoelectric Cement-Based Materials with Interdigitated Electrodes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 233.	2.5	4
139	Computer-Aided Analysis of Flow in Water Pipe Networks after a Seismic Event. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-14.	1.1	4
140	Mechanical and Damping Properties of Wood Plastic Composite Modified by Ground Waste Rubber Tire. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2017, 33, 127-138.	1.8	4
141	Preface: Recent Advances on Structural Control, Health Monitoring and Applications in Bridge Engineering. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1802001.	2.4	4
142	Monitoring of Mix-Proportions of Concrete by Using Microwave Permittivity Measurement. , 2018, , .		4
143	Stress Response and Damage Characteristics of Local Members of a Structure due to Tunnel Blasting Vibrations Based on the High-Order Local Modal Analysis. <i>Shock and Vibration</i> , 2019, 2019, 1-18.	0.6	4
144	Isogeometric analysis of bending, vibration, and buckling behaviors of multilayered microplates based on the non-classical refined shear deformation theory. <i>Acta Mechanica</i> , 2021, 232, 2991-3010.	2.1	4

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145	Wireless inclinometer acquisition system for reducing swing movement control module experiment of hook model. , 2008, , .		3
146	Sunlight irradiation and wind effect on the interlaminar stresses of the organic solar cell. Archive of Applied Mechanics, 2021, 91, 3203-3221.	2.2	3
147	Experimental investigation of solute transport in variably saturated porous media using x-ray computed tomography. Physics of Fluids, 2021, 33, .	4.0	3
148	DESIGN CRITERIA FOR A CONTROLLED DEMOLITION (IMPLOSION). International Journal of GEOMATE, 2019, 16, .	0.3	3
149	Dynamic Test and Constitutive Model of 225 MPa Low Yield Point Steel Material and its Energy Absorption Ability. International Journal of Protective Structures, 2011, 2, 527-540.	2.3	2
150	Preliminary Numerical Study on TRID System for Flutter Vibration Control of Bridge Structure. Procedia Engineering, 2011, 14, 2796-2806.	1.2	2
151	Performance enhancement of circularly-polarized patch array using anisotropic metasurface. , 2015, , .		2
152	Microwave near-field noninvasive prediction of compressive strength of Engineered Cementitious Composites (ECCs). , 2015, , .		2
153	Determination of water content for early-age concrete based on dielectric constant. , 2017, , .		2
154	Seismic Performance and Ice-Induced Vibration Control of Offshore Platform Structures Based on the ISO-PFD-SMA Brace System. Advances in Materials Science and Engineering, 2017, 2017, 1-15.	1.8	2
155	Design strategies for fragment and projectile penetration into steel and concrete structural elements using CONWEP. Asian Journal of Civil Engineering, 2018, 19, 793-809.	1.6	2
156	Design criteria essential for an uncontrolled demolition (explosion). Asian Journal of Civil Engineering, 2019, 20, 351-369.	1.6	2
157	Surfactant-Assisted Processing of Carbon Nanotube Cement-Based Nanocomposites: Microstructural, Electrical, and Mechanical Properties. Nanoscience and Nanotechnology Letters, 2018, 10, 237-243.	0.4	2
158	Reliability Based Analysis and Design of a Tripod Offshore Wind Turbine Structure Assuring Serviceability Performance. Polish Maritime Research, 2018, 25, 139-148.	1.9	2
159	Mass Inertia Effect Based Vibration Control Systems for Civil Engineering Structure and Infrastructure. , 0, , .		2
160	Instability and post-instability examination due to the buckling of rotating nanocomposite beams in thermal ambient. International Journal of Mechanics and Materials in Design, 2022, 18, 87-103.	3.0	2
161	Some special phenomena and preliminary interpretations about measured strain signals from high-speed impact tests. International Journal of Structural Engineering, 2012, 3, 48.	0.4	1
162	Design of self-contained sensor for monitoring of deep-sea offshore platform. Proceedings of SPIE, 2013, , .	0.8	1

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163	Optimal bandwidth of concrete embedded antenna for wireless power transmission. , 2016, , .		1
164	Metasurfaced waveguide antenna with polarization rotation. Microwave and Optical Technology Letters, 2017, 59, 1084-1087.	1.4	1
165	Dielectric constant modelling of Chinese-standard concretes for wireless monitoring of structures. , 2017, , .		1
166	Numerical Simulation of Pile-Soil Interface Cyclic Weakening Effect by Particle Flow Code (PFC). , 2019, , .		1
167	Analyzing size effects in a cracked orthotropic layer under antiplane shear loading. Archive of Applied Mechanics, 2021, 91, 1097-1112.	2.2	1
168	Dissolution Mass Transfer of Trapped Phase in Porous Media. , 0, , .		1
169	Sensor placement selection of SHM using tolerance domain and second order eigenvalue sensitivity. Smart Structures and Systems, 2006, 2, 189-208.	1.9	1
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