

Yang Yu

List of Publications by Year in descending order

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227
papers

5,511
citations

94433

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128289

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229
all docs

229
docs citations

229
times ranked

4190
citing authors

#	ARTICLE	IF	CITATIONS
1	Remediation of antibiotic wastewater by coupled photocatalytic and persulfate oxidation system: A critical review. Journal of Hazardous Materials, 2021, 408, 124461.	12.4	246
2	Benchmark Problem for Response Control of Wind-Excited Tall Buildings. Journal of Engineering Mechanics - ASCE, 2004, 130, 437-446.	2.9	205
3	A novel deep learning-based method for damage identification of smart building structures. Structural Health Monitoring, 2019, 18, 143-163.	7.5	195
4	Jointly dampening traffic oscillations and improving energy consumption with electric, connected and automated vehicles: A reinforcement learning based approach. Applied Energy, 2020, 257, 114030.	10.1	177
5	Development of an Efficient Driving Strategy for Connected and Automated Vehicles at Signalized Intersections: A Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 433-443.	8.0	169
6	Development and characterization of a magnetorheological elastomer based adaptive seismic isolator. Smart Materials and Structures, 2013, 22, 035005.	3.5	153
7	A novel optimised self-learning method for compressive strength prediction of high performance concrete. Construction and Building Materials, 2018, 184, 229-247.	7.2	107
8	A Decade of Modern Bridge Monitoring Using Terrestrial Laser Scanning: Review and Future Directions. Remote Sensing, 2020, 12, 3796.	4.0	94
9	Damage identification in civil engineering structures utilizing PCA-compressed residual frequency response functions and neural network ensembles. Structural Control and Health Monitoring, 2011, 18, 207-226.	4.0	91
10	Hierarchical Leak Detection and Localization Method in Natural Gas Pipeline Monitoring Sensor Networks. Sensors, 2012, 12, 189-214.	3.8	91
11	Fibre Bragg grating sensor-based damage response monitoring of an asymmetric reinforced concrete shear wall structure subjected to progressive seismic loads. Structural Control and Health Monitoring, 2019, 26, e2307.	4.0	90
12	Crack detection of concrete structures using deep convolutional neural networks optimized by enhanced chicken swarm algorithm. Structural Health Monitoring, 2022, 21, 2244-2263.	7.5	78
13	Tunable active sites on biogas digestate derived biochar for sulfanilamide degradation by peroxymonosulfate activation. Journal of Hazardous Materials, 2022, 421, 126794.	12.4	75
14	Physical Modeling of Seismic Soil-Pile-Structure Interaction for Buildings on Soft Soils. International Journal of Geomechanics, 2015, 15, .	2.7	74
15	Improved Radiation Characteristics of Small Antipodal Vivaldi Antenna for Microwave and Millimeter-Wave Imaging Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1961-1964.	4.0	74
16	Semi-active control of magnetorheological elastomer base isolation system utilising learning-based inverse model. Journal of Sound and Vibration, 2017, 406, 346-362.	3.9	71
17	Miniaturized UWB Antipodal Vivaldi Antenna and Its Application for Detection of Void Inside Concrete Specimens. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1317-1320.	4.0	69
18	Quality Evaluation of Digital Twins Generated Based on UAV Photogrammetry and TLS: Bridge Case Study. Remote Sensing, 2021, 13, 3499.	4.0	66

#	ARTICLE	IF	CITATIONS
19	Influence of seismic incident angle on response uncertainty and structural performance of tall asymmetric structure. <i>Structural Design of Tall and Special Buildings</i> , 2020, 29, e1750.	1.9	64
20	Constitutive Relationships for Steel Fibre Reinforced Concrete at Elevated Temperatures. <i>Fire Technology</i> , 2014, 50, 1249-1268.	3.0	63
21	Experimental and numerical investigation on the complex behaviour of the localised seismic response in a multi-storey plan-asymmetric structure. <i>Structure and Infrastructure Engineering</i> , 2021, 17, 86-102.	3.7	63
22	Identification of Factors and Decision Analysis of the Level of Modularization in Building Construction. <i>Journal of Architectural Engineering</i> , 2018, 24, 04018010.	1.6	62
23	Co/N co-doped carbonized wood sponge with 3D porous framework for efficient peroxymonosulfate activation: Performance and internal mechanism. <i>Journal of Hazardous Materials</i> , 2022, 421, 126735.	12.4	61
24	High Strength Polypropylene Fibre Reinforcement Concrete at High Temperature. <i>Fire Technology</i> , 2014, 50, 1229-1247.	3.0	60
25	The role of viscoelastic damping on retrofitting seismic performance of asymmetric reinforced concrete structures. <i>Earthquake Engineering and Engineering Vibration</i> , 2020, 19, 223-237.	2.3	58
26	Experimental study of semi-active magnetorheological elastomer base isolation system using optimal neuro fuzzy logic control. <i>Mechanical Systems and Signal Processing</i> , 2019, 119, 380-398.	8.0	56
27	Antipodal Vivaldi antenna with improved radiation characteristics for civil engineering applications. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 796-803.	1.4	53
28	Nonparametric modeling of magnetorheological elastomer base isolator based on artificial neural network optimized by ant colony algorithm. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 1789-1798.	2.5	51
29	A multi-way data analysis approach for structural health monitoring of a cable-stayed bridge. <i>Structural Health Monitoring</i> , 2019, 18, 35-48.	7.5	47
30	Parameter identification of a novel strain stiffening model for magnetorheological elastomer base isolator utilizing enhanced particle swarm optimization. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 2446-2462.	2.5	45
31	Back-Propagation Neural Network Optimized by K-Fold Cross-Validation for Prediction of Torsional Strength of Reinforced Concrete Beam. <i>Materials</i> , 2022, 15, 1477.	2.9	45
32	Fuzzy Controller for Seismically Excited Nonlinear Buildings. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 407-415.	2.9	44
33	Effect of Seismic Soil-Structure Interaction on Mid- and High-Rise Steel Buildings Resting on a Group of Pile Foundations. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	44
34	Analysis of magnetorheological clutch with double cup-shaped gap excited by Halbach array based on finite element method and experiment. <i>Smart Materials and Structures</i> , 2022, 31, 075008.	3.5	44
35	Shake table testing of a base isolated model. <i>Engineering Structures</i> , 2002, 24, 1203-1215.	5.3	42
36	Parameter identification and sensitivity analysis of an improved LuGre friction model for magnetorheological elastomer base isolator. <i>Meccanica</i> , 2015, 50, 2691-2707.	2.0	41

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37	Remedial Modelling of Steel Bridges through Application of Analytical Hierarchy Process (AHP). Applied Sciences (Switzerland), 2017, 7, 168.	2.5	40
38	A new model for bridge management: Part A: condition assessment and priority ranking of bridges. Australian Journal of Civil Engineering, 2016, 14, 35-45.	1.6	39
39	Wavelet packet energy-based damage identification of wood utility poles using support vector machine multi-classifier and evidence theory. Structural Health Monitoring, 2019, 18, 123-142.	7.5	39
40	A new model for bridge management: Part B: decision support system for remediation planning. Australian Journal of Civil Engineering, 2016, 14, 46-53.	1.6	37
41	A Tunable Terahertz Metamaterial Absorber Composed of Hourglass-Shaped Graphene Arrays. Nanomaterials, 2020, 10, 533.	4.1	36
42	A Fast and Robust Open-Switch Fault Diagnosis Method for Variable-Speed PMSM System. IEEE Transactions on Power Electronics, 2021, 36, 2598-2610.	7.9	36
43	The Influence of the Temperature on the Dynamic Behaviors of Magnetorheological Gel. Advanced Engineering Materials, 2022, 24, .	3.5	36
44	A hysteresis model for dynamic behaviour of magnetorheological elastomer base isolator. Smart Materials and Structures, 2016, 25, 055029.	3.5	35
45	Self-adaptive step fruit fly algorithm optimized support vector regression model for dynamic response prediction of magnetorheological elastomer base isolator. Neurocomputing, 2016, 211, 41-52.	5.9	34
46	Acoustical damage detection of wind turbine blade using the improved incremental support vector data description. Renewable Energy, 2020, 156, 548-557.	8.9	34
47	Battery electric buses charging schedule optimization considering time-of-use electricity price. Journal of Intelligent and Connected Vehicles, 2022, 5, 138-145.	7.4	34
48	An empirical relationship to determine lateral seismic response of mid-rise building frames under influence of soil-structure interaction. Structural Design of Tall and Special Buildings, 2014, 23, 526-548.	1.9	33
49	Multi-Image-Feature-Based Hierarchical Concrete Crack Identification Framework Using Optimized SVM Multi-Classifiers and D-S Fusion Algorithm for Bridge Structures. Remote Sensing, 2021, 13, 240.	4.0	33
50	Comparative Investigation of Phenomenological Modeling for Hysteresis Responses of Magnetorheological Elastomer Devices. International Journal of Molecular Sciences, 2019, 20, 3216.	4.1	32
51	Shake Table Testing of Standard Cold-Formed Steel Storage Rack. Applied Sciences (Switzerland), 2021, 11, 1821.	2.5	32
52	Guided wave-based rail flaw detection technologies: state-of-the-art review. Structural Health Monitoring, 2022, 21, 1287-1308.	7.5	31
53	Damage identification of steel-concrete composite beams based on modal strain energy changes through general regression neural network. Engineering Structures, 2021, 244, 112824.	5.3	31
54	Magnetorheological elastomer base isolator for earthquake response mitigation on building structures: modeling and second-order sliding mode control. Earthquake and Structures, 2016, 11, 943-966.	1.0	31

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55	Cyclic behaviour of composite joints with reduced beam sections. Engineering Structures, 2017, 136, 329-344.	5.3	28
56	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
57	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
58	Axial Compression Performance of Square Thin Walled Concrete-Filled Steel Tube Stub Columns with Reinforcement Stiffener under Constant High-Temperature. Materials, 2019, 12, 1098.	2.9	28
59	Numerical Evaluation of the Upright Columns with Partial Reinforcement along with the Utilisation of Neural Networks with Combining Feature-Selection Method to Predict the Load and Displacement. Applied Sciences (Switzerland), 2021, 11, 11056.	2.5	28
60	Development of adaptive seismic isolators for ultimate seismic protection of civil structures. Proceedings of SPIE, 2013, , .	0.8	27
61	Experimental and Numerical Investigation of a Method for Strengthening Cold-Formed Steel Profiles in Bending. Applied Sciences (Switzerland), 2020, 10, 3855.	2.5	26
62	Drying Shrinkage Behaviour of Fibre Reinforced Concrete Incorporating Polyvinyl Alcohol Fibres and Fly Ash. Advances in Civil Engineering, 2014, 2014, 1-10.	0.7	25
63	Dynamic modelling and control of shear-mode rotational MR damper for mitigating hazard vibration of building structures. Smart Materials and Structures, 2020, 29, 114006.	3.5	25
64	Forecasting hysteresis behaviours of magnetorheological elastomer base isolator utilizing a hybrid model based on support vector regression and improved particle swarm optimization. Smart Materials and Structures, 2015, 24, 035025.	3.5	24
65	Optimizing Directional Reader Antennas Deployment in UHF RFID Localization System by Using a MPCSO Algorithm. IEEE Sensors Journal, 2018, 18, 5035-5048.	4.7	24
66	Comprehensive Study of Moving Load Identification on Bridge Structures Using the Explicit Form of Newmark- \hat{I}^2 Method: Numerical and Experimental Studies. Remote Sensing, 2021, 13, 2291.	4.0	24
67	Evaluation of Mechanical Properties of Recycled Material for Utilization in Asphalt Mixtures. Applied Sciences (Switzerland), 2017, 7, 763.	2.5	23
68	Thermodynamic analysis of metals recycling out of waste printed circuit board through secondary copper smelting. Journal of Material Cycles and Waste Management, 2018, 20, 386-401.	3.0	23
69	Investigation of a Method for Strengthening Perforated Cold-Formed Steel Profiles under Compression Loads. Applied Sciences (Switzerland), 2019, 9, 5085.	2.5	23
70	An Improved MTPA Control Based on Amplitude-Adjustable Square Wave Injection. IEEE Transactions on Energy Conversion, 2020, 35, 956-965.	5.2	23
71	Condition Assessment of Foundation Piles and Utility Poles Based on Guided Wave Propagation Using a Network of Tactile Transducers and Support Vector Machines. Sensors, 2017, 17, 2938.	3.8	22
72	Compound fault identification of rolling element bearing based on adaptive resonant frequency band extraction. Mechanism and Machine Theory, 2020, 154, 104051.	4.5	22

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73	Experimental verification of an active mass driver system on a five-storey model using a fuzzy controller. Structural Control and Health Monitoring, 2006, 13, 917-943.	4.0	21
74	Damage localization based on symbolic time series analysis. Structural Control and Health Monitoring, 2015, 22, 374-393.	4.0	21
75	Nonlinear active noise control system based on correlated EMD and Chebyshev filter. Mechanical Systems and Signal Processing, 2019, 130, 74-86.	8.0	21
76	Physical and mechanical properties of polymer modified self-compacting concrete (SCC) using natural and recycled aggregates. Journal of Sustainable Cement-Based Materials, 2020, 9, 1-16.	3.1	21
77	Iron cobalt and nitrogen co-doped carbonized wood sponge for peroxymonosulfate activation: Performance and internal temperature-dependent mechanism. Journal of Colloid and Interface Science, 2022, 619, 267-279.	9.4	21
78	Shake table tests on a mass eccentric model with base isolation. Earthquake Engineering and Structural Dynamics, 2003, 32, 1353-1372.	4.4	20
79	A Review on Coagulation/Flocculation in Dewatering of Coal Slurry. Water (Switzerland), 2022, 14, 918.	2.7	20
80	Spectral-Based Damage Identification in Structures under Ambient Vibration. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	19
81	Assessment of Offshore Wind Characteristics and Wind Energy Potential in Bohai Bay, China. Energies, 2019, 12, 2879.	3.1	19
82	Uncertainty in the Impact of the COVID-19 Pandemic on Air Quality in Hong Kong, China. Atmosphere, 2020, 11, 914.	2.3	19
83	Predicting elastic modulus degradation of alkali silica reaction affected concrete using soft computing techniques: A comparative study. Construction and Building Materials, 2021, 274, 122024.	7.2	19
84	Electrorheological and Magnetorheological Duct Flow in Shear-Flow Mode Using Herschel-Bulkley Constitutive Model. Journal of Engineering Mechanics - ASCE, 2003, 129, 1459-1465.	2.9	18
85	Nonlinear Joint Model Updating in Assembled Structures. Journal of Engineering Mechanics - ASCE, 2014, 140, .	2.9	18
86	Thermal and Structural Response of RCC Dams During Their Service Life. Journal of Thermal Stresses, 2015, 38, 591-609.	2.0	18
87	The Use of Glass to Optimize Bitumen Absorption of Hot Mix Asphalt Containing Recycled Construction Aggregates. Materials, 2018, 11, 1053.	2.9	18
88	Dynamic responses of hybrid FRP-concrete-steel double-skin tubular column (DSTC) under lateral impact. Structures, 2021, 32, 1115-1144.	3.6	18
89	Fresh, Mechanical, and Durability Properties of Self-Compacting Mortar Incorporating Alumina Nanoparticles and Rice Husk Ash. Materials, 2021, 14, 6778.	2.9	18
90	Determination of Embedment Depth of Timber Poles and Piles Using Wavelet Transform. Advances in Structural Engineering, 2012, 15, 759-770.	2.4	17

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91	Fracture Properties of CFRP-Concrete Bond Subjected to Three Environmental Conditions. Journal of Composites for Construction, 2016, 20, .	3.2	17
92	Application of Kalman Filtering Methods to Online Real-Time Structural Identification: A Comparison Study. International Journal of Structural Stability and Dynamics, 2016, 16, 1550016.	2.4	17
93	Algorithm Development for the Non-Destructive Testing of Structural Damage. Applied Sciences (Switzerland), 2019, 9, 2810.	2.5	17
94	Characterization of carbon fiber reinforced polymer strengthened concrete and gap detection with a piezoelectric-based sensory technique. Structural Health Monitoring, 2019, 18, 172-179.	7.5	17
95	An experimental study on damage detection of structures using a timber beam. Journal of Mechanical Science and Technology, 2007, 21, 903-907.	1.5	16
96	Development of a bioclimatic wind rose tool for assessment of comfort wind resources in Sydney, Australia for 2013 and 2030. International Journal of Biometeorology, 2018, 62, 1963-1972.	3.0	16
97	Magnetic and Hydrophobic Composite Polyurethane Sponge for Oil-Water Separation. Applied Sciences (Switzerland), 2020, 10, 1453.	2.5	16
98	Modified Adaptive Negative Stiffness Device with Variable Negative Stiffness and Geometrically Nonlinear Damping for Seismic Protection of Structures. International Journal of Structural Stability and Dynamics, 0, , 2150107.	2.4	16
99	The Stiffness and Damping Characteristics of a Dual-Chamber Air Spring Device Applied to Motion Suppression of Marine Structures. Applied Sciences (Switzerland), 2016, 6, 74.	2.5	15
100	Inspection of Metal and Concrete Specimens Using Imaging System with Laser Displacement Sensor. Electronics (Switzerland), 2017, 6, 36.	3.1	15
101	Novel Hybrid Method Based on Advanced Signal Processing and Soft Computing Techniques for Condition Assessment of Timber Utility Poles. Journal of Aerospace Engineering, 2019, 32, .	1.4	15
102	Aquatic environment remediation by atomic layer deposition-based multi-functional materials: A review. Journal of Hazardous Materials, 2021, 402, 123513.	12.4	15
103	Nonlinear characterization of magnetorheological elastomer-based smart device for structural seismic mitigation. International Journal of Smart and Nano Materials, 2021, 12, 390-428.	4.2	15
104	Condition Assessment of Timber Utility Poles Based on a Hierarchical Data Fusion Model. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	14
105	Experimental forward and inverse modelling of magnetorheological dampers using an optimal Takagi-Sugeno-Kang fuzzy scheme. Journal of Intelligent Material Systems and Structures, 2016, 27, 904-914.	2.5	14
106	Numerical Study on Guided Wave Propagation in Wood Utility Poles: Finite Element Modelling and Parametric Sensitivity Analysis. Applied Sciences (Switzerland), 2017, 7, 1063.	2.5	14
107	Prediction and Analysis of the Residual Capacity of Concrete-Filled Steel Tube Stub Columns under Axial Compression Subjected to Combined Freeze-Thaw Cycles and Acid Rain Corrosion. Materials, 2019, 12, 3070.	2.9	14
108	Note: Ultrasonic liquid flow meter for small pipes. Review of Scientific Instruments, 2012, 83, 026107.	1.3	13

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109	UWB antipodal vivaldi antenna for microwave imaging of construction materials and structures. Microwave and Optical Technology Letters, 2017, 59, 1259-1264.	1.4	13
110	Effect of pneumatic spreading on impregnation and fiber fracture of continuous fiber-reinforced thermoplastic composites. Journal of Reinforced Plastics and Composites, 2017, 36, 1554-1563.	3.1	13
111	Nonlinear Characterization of the MRE Isolator Using Binary-Coded Discrete CSO and ELM. International Journal of Structural Stability and Dynamics, 2018, 18, 1840007.	2.4	13
112	Nothing-on-Road Axle Detection Strategies in Bridge-Weigh-in-Motion for a Cable-Stayed Bridge: Case Study. Journal of Bridge Engineering, 2018, 23, .	2.9	13
113	Structural damage detection and localization using a hybrid method and artificial intelligence techniques. Structural Health Monitoring, 2020, 19, 1507-1523.	7.5	13
114	Evaluation of volumetric performance of asphalt mixtures containing recycled construction aggregate (RCA). International Journal of Pavement Engineering, 2022, 23, 2191-2205.	4.4	13
115	Operational Modal Analysis, Testing and Modelling of Prefabricated Steel Modules with Different LSF Composite Walls. Materials, 2020, 13, 5816.	2.9	13
116	Physicochemical, Mineralogical, and Mechanical Properties of Calcium Aluminate Cement Concrete Exposed to Elevated Temperatures. Materials, 2021, 14, 3855.	2.9	13
117	A comparative study of guided wave propagation in timber poles with isotropic and transversely isotropic material models. Journal of Civil Structural Health Monitoring, 2013, 3, 65-79.	3.9	12
118	Non-contact inspection of construction materials using 3-axis multifunctional imaging system with microwave and laser sensing techniques. IEEE Instrumentation and Measurement Magazine, 2016, 19, 6-12.	1.6	12
119	Reducing the effect of wave dispersion in a timber pole based on transversely isotropic material modelling. Construction and Building Materials, 2016, 102, 985-998.	7.2	12
120	Experimental and correlational study on the utilisation of RCA as an alternative coarse aggregate in asphalt mixtures. Australian Journal of Civil Engineering, 2017, 15, 80-92.	1.6	12
121	Bridge Abutment Movement and Approach Settlement “ A Case Study and Scenario Analysis. International Journal of Structural Stability and Dynamics, 2018, 18, 1840011.	2.4	12
122	Experimental and numerical investigations of cold-formed austenitic stainless steel unlipped channels under bearing loads. Thin-Walled Structures, 2020, 152, 106768.	5.3	12
123	Rice Husk Ash Incorporation in Calcium Aluminate Cement Concrete: Life Cycle Assessment, Hydration and Strength Development. Sustainability, 2022, 14, 1012.	3.2	12
124	Application of TLS Method in Digitization of Bridge Infrastructures: A Path to BrIM Development. Remote Sensing, 2022, 14, 1148.	4.0	12
125	A Microwave Filter Yield Optimization Method Based on Off-Line Surrogate Model-Assisted Evolutionary Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2925-2934.	4.6	12
126	A Probabilistic Approach for Energy Efficient Data Transmission in Pipeline Monitoring Sensor Networks. Procedia Engineering, 2011, 24, 64-68.	1.2	11

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127	Motion stability of high-speed maglev systems in consideration of aerodynamic effects: a study of a single magnetic suspension system. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 1084-1094.	3.4	11
128	Detection of Gaps in Concrete–Metal Composite Structures Based on the Feature Extraction Method Using Piezoelectric Transducers. <i>Sensors</i> , 2019, 19, 1769.	3.8	11
129	Statistical evaluation of on-road vehicle emissions measurement using a dual remote sensing technique. <i>Environmental Pollution</i> , 2020, 267, 115456.	7.5	11
130	Automated Health Condition Diagnosis of <i>in situ</i> Wood Utility Poles Using an Intelligent Non-Destructive Evaluation (NDE) Framework. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2042002.	2.4	11
131	A comprehensive taxonomy for structure and material deficiencies, preventions and remedies of timber bridges. <i>Journal of Building Engineering</i> , 2021, 34, 101624.	3.4	11
132	A novel structural seismic protection system with negative stiffness and controllable damping. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2810.	4.0	11
133	Modelling and performance prediction of an integrated central cooling plant for HVAC energy efficiency improvement. <i>Building Simulation</i> , 2013, 6, 127-138.	5.6	10
134	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
135	Silicate impurities incorporation in calcium aluminate cement concrete: mechanical and microstructural assessment. <i>Advances in Applied Ceramics</i> , 2021, 120, 104-116.	1.1	10
136	Properties of Lime-Cement Concrete Containing Various Amounts of Waste Tire Powder under Different Ground Moisture Conditions. <i>Polymers</i> , 2022, 14, 482.	4.5	10
137	Structural condition assessment using entropy-based time series analysis. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 1941-1956.	2.5	9
138	The effect of wheel set gyroscopic action on the hunting stability of high-speed trains. <i>Vehicle System Dynamics</i> , 2017, 55, 924-944.	3.7	9
139	Decision Support Systems. , 2018, , .		9
140	One-pot facile simultaneous <i>in situ</i> synthesis of conductive Ag–polyaniline composites using Keggin and Preyssler-type phosphotungstates. <i>RSC Advances</i> , 2019, 9, 2772-2783.	3.6	9
141	Parametric Analysis on the Circular CFST Column and RBS Steel Beam Joints. <i>Materials</i> , 2019, 12, 1535.	2.9	9
142	Nonlinear hunting stability of high-speed railway vehicle on a curved track under steady aerodynamic load. <i>Vehicle System Dynamics</i> , 2020, 58, 175-197.	3.7	9
143	Change-Point Analysis of Precipitation and Drought Extremes in China over the Past 50 Years. <i>Atmosphere</i> , 2020, 11, 11.	2.3	9
144	Prediction and Analysis of Ultimate Bearing Capacity of Square CFST Long Column under Eccentric Compression after Acid Rain Corrosion. <i>Materials</i> , 2021, 14, 2568.	2.9	9

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145	Semi-active storey isolation system employing MRE isolator with parameter identification based on NSGA-II with DCD. <i>Earthquake and Structures</i> , 2016, 11, 1101-1121.	1.0	9
146	Applicability-Compatibility Analysis of PMBOK Seventh Edition from the Perspective of the Construction Industry Distinctive Peculiarities. <i>Buildings</i> , 2022, 12, 210.	3.1	9
147	Cost-effective multi-objective optimal positioning of magnetorheological dampers and active actuators in large nonlinear structures. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 230-253.	2.5	8
148	A Modeling Approach to Fiber Fracture in Melt Impregnation. <i>Applied Composite Materials</i> , 2017, 24, 193-207.	2.5	8
149	New Fault Tolerance Method for Open-Phase PMSM. <i>IEEE Access</i> , 2019, 7, 146416-146427.	4.2	8
150	Structural Performance of Polyurethane Foam-Filled Building Composite Panels: A State-Of-The-Art. <i>Journal of Composites Science</i> , 2019, 3, 40.	3.0	8
151	Analysis of failure in concrete and reinforced-concrete beams for the smart aggregate-based monitoring system. <i>Structural Health Monitoring</i> , 2020, 19, 463-480.	7.5	8
152	Design and Performance Assessment of Multi-Use Offshore Tension Leg Platform Equipped with an Embedded Wave Energy Converter System. <i>Energies</i> , 2020, 13, 3991.	3.1	8
153	Design of cold-formed ferritic stainless steel unlipped channels with offset web openings and unfastened flanges subject to web bearing failure under one-flange load scenarios. <i>Structures</i> , 2020, 27, 194-211.	3.6	8
154	An active noise control method of non-stationary noise under time-variant secondary path. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107193.	8.0	8
155	Shear behaviour and design of cold-formed ferritic stainless steel channels with circular web openings. <i>Structures</i> , 2021, 33, 4162-4175.	3.6	8
156	Modeling the non-linear rheological behavior of magnetorheological gel using a computationally efficient model. <i>Smart Materials and Structures</i> , 2020, 29, 105021.	3.5	8
157	Quality Management Framework for Housing Construction in a Design-Build Project Delivery System: A BIM-UAV Approach. <i>Buildings</i> , 2022, 12, 554.	3.1	8
158	A compact self-adaptive recursive least square approach for real-time structural identification with unknown inputs. <i>Advances in Structural Engineering</i> , 2016, 19, 1118-1129.	2.4	7
159	Topology optimization of pressure structures based on regional contour tracking technology. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 687-700.	3.5	7
160	Thermodynamic-Based Exergy Analysis of Precious Metal Recovery out of Waste Printed Circuit Board through Black Copper Smelting Process. <i>Energies</i> , 2019, 12, 1313.	3.1	7
161	Real-Time Tracking of Structural Stiffness Reduction with Unknown Inputs, Using Self-Adaptive Recursive Least-Square and Curvature-Change Techniques. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950123.	2.4	7
162	Use of Bacteria Externally for Repairing Cracks and Improving Properties of Concrete Exposed to High Temperatures. <i>Crystals</i> , 2021, 11, 1503.	2.2	7

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163	Smart coating in protective clothing for firefighters: An overview and recent improvements. Journal of Industrial Textiles, 2022, 51, 7428S-7454S.	2.4	7
164	Design considerations and experimental studies on semi-active smart pin joint. Frontiers of Mechanical Engineering in China, 2009, 4, 363-370.	0.4	6
165	Thermo-economic optimization of rooftop unit's evaporator coil for energy efficiency and thermal comfort. Building Simulation, 2014, 7, 345-359.	5.6	6
166	A Mathematical Model for Continuous Fiber Reinforced Thermoplastic Composite in Melt Impregnation. Applied Composite Materials, 2017, 24, 675-690.	2.5	6
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