Yang Yu

List of Publications by Year
in descending order

227	5,511	94433	128289
papers	citations	37	60
		h-index	g-index

229	229	229	4190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of volumetric performance of asphalt mixtures containing recycled construction aggregate (RCA). International Journal of Pavement Engineering, 2022, 23, 2191-2205.	4.4	13
2	Guided wave–based rail flaw detection technologies: state-of-the-art review. Structural Health Monitoring, 2022, 21, 1287-1308.	7.5	31
3	Co/N co-doped carbonized wood sponge with 3D porous framework for efficient peroxymonosulfate activation: Performance and internal mechanism. Journal of Hazardous Materials, 2022, 421, 126735.	12.4	61
4	Tunable active sites on biogas digestate derived biochar for sulfanilamide degradation by peroxymonosulfate activation. Journal of Hazardous Materials, 2022, 421, 126794.	12.4	75
5	An Invar Alloy SLM Printed Diplexer With High Thermal Stability. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1019-1023.	3.0	5
6	Resonant Manifold Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1059-1071.	4.6	6
7	Unified design equations for web crippling failure of cold-formed ferritic stainless steel unlipped channel-sections with web holes. Journal of Building Engineering, 2022, 45, 103685.	3.4	6
8	Rice Husk Ash Incorporation in Calcium Aluminate Cement Concrete: Life Cycle Assessment, Hydration and Strength Development. Sustainability, 2022, 14, 1012.	3.2	12
9	A macroscopic viscoelastic model of magnetorheological elastomer with different initial particle chain orientation angles based on fractional viscoelasticity. Smart Materials and Structures, 2022, 31, 025025.	3.5	6
10	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
11	The Impact of Foaming Effect on the Physical and Mechanical Properties of Foam Glasses with Molecular-Level Insights. Molecules, 2022, 27, 876.	3.8	6
12	The Influence of the Temperature on the Dynamic Behaviors of Magnetorheological Gel. Advanced Engineering Materials, 2022, 24, .	3.5	36
13	Properties of Lime-Cement Concrete Containing Various Amounts of Waste Tire Powder under Different Ground Moisture Conditions. Polymers, 2022, 14, 482.	4.5	10
14	A Simple Approach for Coarse Particle Stress-Erosion Test with Experimental Validation. Journal of Materials Engineering and Performance, 2022, 31, 5823-5836.	2.5	4
15	Automated Diplexer Design With Key Performance Indicator-Based Objectives. IEEE Microwave and Wireless Components Letters, 2022, 32, 827-830.	3.2	2
16	Applicability-Compatibility Analysis of PMBOK Seventh Edition from the Perspective of the Construction Industry Distinctive Peculiarities. Buildings, 2022, 12, 210.	3.1	9
17	Application of TLS Method in Digitization of Bridge Infrastructures: A Path to BrIM Development. Remote Sensing, 2022, 14, 1148.	4.0	12
18	Back-Propagation Neural Network Optimized by K-Fold Cross-Validation for Prediction of Torsional Strength of Reinforced Concrete Beam. Materials, 2022, 15, 1477.	2.9	45

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19	A Review on Coagulation/Flocculation in Dewatering of Coal Slurry. Water (Switzerland), 2022, 14, 918.	2.7	20
20	Enhancing the foaming effects and mechanical strength of foam glasses sintered at low temperatures. Journal of Physics and Chemistry of Solids, 2022, 165, 110698.	4.0	4
21	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
22	Simultaneous Identification of Bridge Structural Damage and Moving Loads Using the Explicit Form of Newmark-$\hat{I}^2$ Method: Numerical and Experimental Studies. Remote Sensing, 2022, 14, 119.	4.0	5
23	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
24	Quality Management Framework for Housing Construction in a Design-Build Project Delivery System: A BIM-UAV Approach. Buildings, 2022, 12, 554.	3.1	8
25	CFRP Strengthening and Rehabilitation of Inner Corroded Steel Pipelines under External Pressure. Journal of Marine Science and Engineering, 2022, 10, 589.	2.6	6
26	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
27	Analysis of magnetorheological clutch with double cup-shaped gap excited by Halbach array based on finite element method and experiment. Smart Materials and Structures, 2022, 31, 075008.	3.5	44
28	Dynamic Response Analysis of Offshore Converter Station Based on Vector Form Intrinsic Finite Element (VFIFE) Method. Journal of Marine Science and Engineering, 2022, 10, 749.	2.6	1
29	Smart coating in protective clothing for firefighters: An overview and recent improvements. Journal of Industrial Textiles, 2022, 51, 7428S-7454S.	2.4	7
30	Effect of Temperature on Corrosion Behavior of Laser-Remelted CrFeCoNi Coating. Metals, 2022, 12, 970.	2.3	2
31	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
32	Remediation of antibiotic wastewater by coupled photocatalytic and persulfate oxidation system: A critical review. Journal of Hazardous Materials, 2021, 408, 124461.	12.4	246
33	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
34	Aquatic environment remediation by atomic layer deposition-based multi-functional materials: A review. Journal of Hazardous Materials, 2021, 402, 123513.	12.4	15
35	An active noise control method of non-stationary noise under time-variant secondary path. Mechanical Systems and Signal Processing, 2021, 149, 107193.	8.0	8
36	A comprehensive taxonomy for structure and material deficiencies, preventions and remedies of timber bridges. Journal of Building Engineering, 2021, 34, 101624.	3.4	11

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37	Multi-Image-Feature-Based Hierarchical Concrete Crack Identification Framework Using Optimized SVM Multi-Classifiers and Dâ€"S Fusion Algorithm for Bridge Structures. Remote Sensing, 2021, 13, 240.	4.0	33
38	Numerical Analysis of Axial Cyclic Behavior of FRP Retrofitted CHS Joints. Materials, 2021, 14, 648.	2.9	3
39	Shake Table Testing of Standard Cold-Formed Steel Storage Rack. Applied Sciences (Switzerland), 2021, 11, 1821.	2.5	32
40	Silicate impurities incorporation in calcium aluminate cement concrete: mechanical and microstructural assessment. Advances in Applied Ceramics, 2021, 120, 104-116.	1.1	10
41	Buckling Behavior of Non-Retrofitted and FRP-Retrofitted Steel CHS T-Joints. Applied Sciences (Switzerland), 2021, 11, 3098.	2.5	0
42	Gaussian Process Regression Modeling Based on Landmark Isometric Feature Mapping for Antennas. , 2021, , .		1
43	Analysis of Finite Element Mechanism of Axial Compressive Behavior of T-Shaped Stiffened Concrete-Filled Steel Tubular Stub Columns After Uniform Fire Exposure. International Journal of Steel Structures, 2021, 21, 836-849.	1.3	2
44	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
45	Stationary Response of Nonlinear Vibration Energy Harvesters by Path Integration. Journal of Computational and Nonlinear Dynamics, 2021, 16, .	1.2	2
46	Development of parametric eco-driving models for fuel savings: A novel parameter calibration approach. International Journal of Transportation Science and Technology, 2021, , .	3.6	0
47	Prediction and Analysis of Ultimate Bearing Capacity of Square CFST Long Column under Eccentric Compression after Acid Rain Corrosion. Materials, 2021, 14, 2568.	2.9	9
48	A novel structural seismic protection system with negative stiffness and controllable damping. Structural Control and Health Monitoring, 2021, 28, e2810.	4.0	11
49	Comprehensive Study of Moving Load Identification on Bridge Structures Using the Explicit Form of Newmark-β Method: Numerical and Experimental Studies. Remote Sensing, 2021, 13, 2291.	4.0	24
50	Physicochemical, Mineralogical, and Mechanical Properties of Calcium Aluminate Cement Concrete Exposed to Elevated Temperatures. Materials, 2021, 14, 3855.	2.9	13
51	Dynamic responses of hybrid FRP-concrete-steel double-skin tubular column (DSTC) under lateral impact. Structures, 2021, 32, 1115-1144.	3.6	18
52	Quality Evaluation of Digital Twins Generated Based on UAV Photogrammetry and TLS: Bridge Case Study. Remote Sensing, 2021, 13, 3499.	4.0	66
53	Analysis of Fire Resistance of Square-Cased Square Steel Tube Reinforced Concrete (ST-RC) Columns. Materials, 2021, 14, 5541.	2.9	3
54	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

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55	Shear behaviour and design of cold-formed ferritic stainless steel channels with circular web openings. Structures, 2021, 33, 4162-4175.	3.6	8
56	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
57	Multi-objective optimisation for improving the seismic protection performance of a multi-storey adaptive negative stiffness system based on modified NSGA-II with DCD. Journal of Building Engineering, 2021, 43, 103145.	3.4	4
58	Dynamic Property Optimization of a Vibration Isolator with Quasi-Zero Stiffness. , 2021, , 289-295.		2
59	Fresh, Mechanical, and Durability Properties of Self-Compacting Mortar Incorporating Alumina Nanoparticles and Rice Husk Ash. Materials, 2021, 14, 6778.	2.9	18
60	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
61	Numerical Analysis of High-Velocity Oxygen Fuel Thermal-Spray Process for Fe-Based Amorphous Coatings. Coatings, 2021, 11, 1533.	2.6	4
62	Use of Bacteria Externally for Repairing Cracks and Improving Properties of Concrete Exposed to High Temperatures. Crystals, 2021, 11, 1503.	2.2	7
63	Nonlinear hunting stability of high-speed railway vehicle on a curved track under steady aerodynamic load. Vehicle System Dynamics, 2020, 58, 175-197.	3.7	9
64	Analysis of failure in concrete and reinforced-concrete beams for the smart aggregate–based monitoring system. Structural Health Monitoring, 2020, 19, 463-480.	7.5	8
65	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
66	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
67	Physical and chemical reaction sensing in a mixed aqueous solution via metal–organic framework thin–film coated optical fiber. Microwave and Optical Technology Letters, 2020, 62, 72-77.	1.4	3
68	Seismic Assessment of a Benchmark Highway Bridge Equipped with Optimized Shape Memory Alloy Wire-Based Isolators. Applied Sciences (Switzerland), 2020, 10, 141.	2.5	5
69	Regularized matrix completion with partial side information. Neurocomputing, 2020, 383, 151-164.	5.9	0
70	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
71	Structural damage detection and localization using a hybrid method and artificial intelligence techniques. Structural Health Monitoring, 2020, 19, 1507-1523.	7.5	13
72	Change-Point Analysis of Precipitation and Drought Extremes in China over the Past 50 Years. Atmosphere, 2020, 11, 11.	2.3	9

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73	Axial compression performance of thin-walled T-shaped concrete filled steel tubular columns under constant high temperature: Experimental and numerical study. Structures, 2020, 27, 525-541.	3.6	6
74	Compound fault identification of rolling element bearing based on adaptive resonant frequency band extraction. Mechanism and Machine Theory, 2020, 154, 104051.	4.5	22
75	A Decade of Modern Bridge Monitoring Using Terrestrial Laser Scanning: Review and Future Directions. Remote Sensing, 2020, 12, 3796.	4.0	94
76	Statistical evaluation of on-road vehicle emissions measurement using a dual remote sensing technique. Environmental Pollution, 2020, 267, 115456.	7.5	11
77	Automated Health Condition Diagnosis of *in situ* Wood Utility Poles Using an Intelligent Non-Destructive Evaluation (NDE) Framework. International Journal of Structural Stability and Dynamics, 2020, 20, 2042002.	2.4	11
78	Uncertainty in the Impact of the COVID-19 Pandemic on Air Quality in Hong Kong, China. Atmosphere, 2020, 11, 914.	2.3	19
79	Design and Performance Assessment of Multi-Use Offshore Tension Leg Platform Equipped with an Embedded Wave Energy Converter System. Energies, 2020, 13, 3991.	3.1	8
80	Operational Modal Analysis, Testing and Modelling of Prefabricated Steel Modules with Different LSF Composite Walls. Materials, 2020, 13, 5816.	2.9	13
81	Experimental and numerical investigations of cold-formed austenitic stainless steel unlipped channels under bearing loads. Thin-Walled Structures, 2020, 152, 106768.	5.3	12
82	Acoustical damage detection of wind turbine blade using the improved incremental support vector data description. Renewable Energy, 2020, 156, 548-557.	8.9	34
83	Experimental and Numerical Investigation of a Method for Strengthening Cold-Formed Steel Profiles in Bending. Applied Sciences (Switzerland), 2020, 10, 3855.	2.5	26
84	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. Structures, 2020, 27, 194-211.	3.6	8
85	Novel Crash Surrogate Measure for Freeways. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	6
86	A Tunable Terahertz Metamaterial Absorber Composed of Hourglass-Shaped Graphene Arrays. Nanomaterials, 2020, 10, 533.	4.1	36
87	Mechanical and Thermal Properties of All-Wood Biocomposites through Controllable Dissolution of Cellulose with Ionic Liquid. Polymers, 2020, 12, 361.	4.5	6
88	Magnetic and Hydrophobic Composite Polyurethane Sponge for Oil–Water Separation. Applied Sciences (Switzerland), 2020, 10, 1453.	2.5	16
89	An Improved MTPA Control Based on Amplitude-Adjustable Square Wave Injection. IEEE Transactions on Energy Conversion, 2020, 35, 956-965.	5.2	23
90	Modeling and Analysis of the Two-Dimensional Axisymmetric Acoustofluidic Fields in the Probe-Type and Substrate-Type Ultrasonic Micro/Nano Manipulation Systems. Micromachines, 2020, 11, 22.	2.9	2

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91	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
92	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
93	Modeling the non-linear rheological behavior of magnetorheological gel using a computationally efficient model. Smart Materials and Structures, 2020, 29, 105021.	3.5	8
94	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
95	A Simplified Climate Change Model and Extreme Weather Model Based on a Machine Learning Method. Symmetry, 2020, 12, 139.	2.2	6
96	To Investigate the Hidden Gap between Traffic Flow Fundamental Diagrams and the Derived Microscopic Car Following Models: A Theoretical Analysis. Smart Innovation, Systems and Technologies, 2020, , 89-98.	0.6	0
97	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
98	Algorithm Development for the Non-Destructive Testing of Structural Damage. Applied Sciences (Switzerland), 2019, 9, 2810.	2.5	17
99	Assessment of Offshore Wind Characteristics and Wind Energy Potential in Bohai Bay, China. Energies, 2019, 12, 2879.	3.1	19
100	Comparative Investigation of Phenomenological Modeling for Hysteresis Responses of Magnetorheological Elastomer Devices. International Journal of Molecular Sciences, 2019, 20, 3216.	4.1	32
101	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
102	New Fault Tolerance Method for Open-Phase PMSM. IEEE Access, 2019, 7, 146416-146427.	4.2	8
103	One-pot facile simultaneous *in situ* synthesis of conductive Ag–polyaniline composites using Keggin and Preyssler-type phosphotungstates. RSC Advances, 2019, 9, 2772-2783.	3.6	9
104	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
105	Parametric Analysis on the Circular CFST Column and RBS Steel Beam Joints. Materials, 2019, 12, 1535.	2.9	9
106	Structural Performance of Polyurethane Foam-Filled Building Composite Panels: A State-Of-The-Art. Journal of Composites Science, 2019, 3, 40.	3.0	8
107	Nonlinear active noise control system based on correlated EMD and Chebyshev filter. Mechanical Systems and Signal Processing, 2019, 130, 74-86.	8.0	21
108	Detection of Gaps in Concrete–Metal Composite Structures Based on the Feature Extraction Method Using Piezoelectric Transducers. Sensors, 2019, 19, 1769.	3.8	11

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109	Thermodynamic-Based Exergy Analysis of Precious Metal Recovery out of Waste Printed Circuit Board through Black Copper Smelting Process. Energies, 2019, 12, 1313.	3.1	7
110	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
111	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
112	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
113	Sinusoidal Pressure Generator Contraction Section Simulation Analysis. , 2019, , .		1
114	An Improved Method for the Magnetometer Calibration Based on Ellipsoid Fitting. , 2019, , .		6
115	Estimation of Continous Heel and Toe Clearances Using Foot-Worn Inertial Sensors. , 2019, , .		1
116	Investigation of a Method for Strengthening Perforated Cold-Formed Steel Profiles under Compression Loads. Applied Sciences (Switzerland), 2019, 9, 5085.	2.5	23
117	A multi-way data analysis approach for structural health monitoring of a cable-stayed bridge. Structural Health Monitoring, 2019, 18, 35-48.	7.5	47
118	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
119	Design criteria essential for an uncontrolled demolition (explosion). Asian Journal of Civil Engineering, 2019, 20, 351-369.	1.6	2
120	Experimental study of semi-active magnetorheological elastomer base isolation system using optimal neuro fuzzy logic control. Mechanical Systems and Signal Processing, 2019, 119, 380-398.	8.0	56
121	A novel deep learning-based method for damage identification of smart building structures. Structural Health Monitoring, 2019, 18, 143-163.	7.5	195
122	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
123	Topology optimization of pressure structures based on regional contour tracking technology. Structural and Multidisciplinary Optimization, 2018, 58, 687-700.	3.5	7
124	Identification of Factors and Decision Analysis of the Level of Modularization in Building Construction. Journal of Architectural Engineering, 2018, 24, 04018010.	1.6	62
125	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
126	Bridge Abutment Movement and Approach Settlement â€" A Case Study and Scenario Analysis. International Journal of Structural Stability and Dynamics, 2018, 18, 1840011.	2.4	12

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127	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
128	Decision Support Systems. , 2018, , .		9
129	Laboratory investigation into the oil diffusion from submarine pipeline under water flow. Acta Oceanologica Sinica, 2018, 37, 96-103.	1.0	5
130	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
131	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
132	Effect of Seismic Soilâ€"Pileâ€"Structure Interaction on Mid- and High-Rise Steel Buildings Resting on a Group of Pile Foundations. International Journal of Geomechanics, 2018, 18, .	2.7	44
133	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
134	Review of the basics of state of the art of blast loading. Asian Journal of Civil Engineering, 2018, 19, 775-791.	1.6	10
135	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
136	The Use of Glass to Optimize Bitumen Absorption of Hot Mix Asphalt Containing Recycled Construction Aggregates. Materials, 2018, 11, 1053.	2.9	18
137	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
138	Cost-effective multi-objective optimal positioning of magnetorheological dampers and active actuators in large nonlinear structures. Journal of Intelligent Material Systems and Structures, 2017, 28, 230-253.	2.5	8
139	Cyclic behaviour of composite joints with reduced beam sections. Engineering Structures, 2017, 136, 329-344.	5.3	28
140	Structural condition assessment using entropy-based time series analysis. Journal of Intelligent Material Systems and Structures, 2017, 28, 1941-1956.	2.5	9
141	Antipodal Vivaldi antenna with improved radiation characteristics for civil engineering applications. IET Microwaves, Antennas and Propagation, 2017, 11, 796-803.	1.4	53
142	Sigmoid function-based hysteresis modeling of magnetorheological pin joints. , 2017, , .		0
143	UWB antipodal vivaldi antenna for microwave imaging of construction materials and structures. Microwave and Optical Technology Letters, 2017, 59, 1259-1264.	1.4	13
144	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

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145	The effect of wheel set gyroscopic action on the hunting stability of high-speed trains. Vehicle System Dynamics, 2017, 55, 924-944.	3.7	9
146	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
147	Motion stability of high-speed maglev systems in consideration of aerodynamic effects: a study of a single magnetic suspension system. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 1084-1094.	3.4	11
148	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
149	A Comparative Life Cycle Assessment of Recycling the Platinum Group Metals from Automobile Catalytic Converter: An Australian Perspective. Metallurgical and Materials Transactions E, 2017, 4, 77-88.	0.5	4
150	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
151	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
152	Coupled and uncoupled seepage-stress analysis of roller compacted concrete dams. ISH Journal of Hydraulic Engineering, 2017, 23, 92-101.	2.1	5
153	A Modeling Approach to Fiber Fracture in Melt Impregnation. Applied Composite Materials, 2017, 24, 193-207.	2.5	8
154	A Mathematical Model for Continuous Fiber Reinforced Thermoplastic Composite in Melt Impregnation. Applied Composite Materials, 2017, 24, 675-690.	2.5	6
155	Structural Damage Detection of a Concrete Based on the Autoregressive All-pole Model Parameters and Artificial Intelligence Techniques. , 2017, , .		1
156	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
157	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
158	Evaluation of Mechanical Properties of Recycled Material for Utilization in Asphalt Mixtures. Applied Sciences (Switzerland), 2017, 7, 763.	2.5	23
159	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
160	Inspection of Metal and Concrete Specimens Using Imaging System with Laser Displacement Sensor. Electronics (Switzerland), 2017, 6, 36.	3.1	15
161	Characterisation of Acid Resistant Concrete Exposed to Sulphuric Acid Using SEM, EDS and X-Ray Mapping. Microscopy and Microanalysis, 2017, 23, 1076-1077.	0.4	4
162	Remedial Modelling of Steel Bridges through Application of Analytical Hierarchy Process (AHP). Applied Sciences (Switzerland), 2017, 7, 168.	2.5	40

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163	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
164	A hysteresis model for dynamic behaviour of magnetorheological elastomer base isolator. Smart Materials and Structures, 2016, 25, 055029.	3.5	35
165	Performance prediction of a new integrated central cooling plant for energy efficiency and comfort enhancement. Building Services Engineering Research and Technology, 2016, 37, 379-394.	1.8	2
166	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
167	Nonlinear and Hysteretic Modelling of Magnetorheological Elastomer Base Isolator Using Adaptive Neuro-Fuzzy Inference System. Applied Mechanics and Materials, 2016, 846, 258-263.	0.2	3
168	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
169	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
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171	Separation of longitudinal and flexural wave in a cylindrical structure based on sensor arrangement for non-destructive evaluation. Journal of Civil Structural Health Monitoring, 2016, 6, 411-427.	3.9	4
172	Load capacity prediction of in-service timber utility poles considering wind load. Journal of Civil Structural Health Monitoring, 2016, 6, 385-394.	3.9	5
173	Fracture Properties of CFRP–Concrete Bond Subjected to Three Environmental Conditions. Journal of Composites for Construction, 2016, 20, .	3.2	17
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