Jinping Ou

List of Publications by Year in descending order

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194 papers	5,171 citations	87843 38 h-index	118793 62 g-index
194 all docs	194 docs citations	194 times ranked	3860 citing authors

#	Article	IF	Citations
1	Review: optical fiber sensors for civil engineering applications. Materials and Structures/Materiaux Et Constructions, 2015, 48, 871-906.	1.3	293
2	Smart concretes and structures: A review. Journal of Intelligent Material Systems and Structures, 2015, 26, 1303-1345.	1.4	184
3	Recent progress and future trends on damage identification methods for bridge structures. Structural Control and Health Monitoring, 2019, 26, e2416.	1.9	162
4	A novel type of angle steel bucklingâ€restrained brace: Cyclic behavior and failure mechanism. Earthquake Engineering and Structural Dynamics, 2011, 40, 1083-1102.	2.5	150
5	Effects of CNT concentration level and water/cement ratio on the piezoresistivity of CNT/cement composites. Journal of Composite Materials, 2012, 46, 19-25.	1.2	132
6	Effect of water content on the piezoresistivity of MWNT/cement composites. Journal of Materials Science, 2010, 45, 3714-3719.	1.7	131
7	SMC structural health monitoring benchmark problem using monitored data from an actual cable-stayed bridge. Structural Control and Health Monitoring, 2014, 21, 156-172.	1.9	127
8	Compressive samplingâ€“based data loss recovery for wireless sensor networks used in civil structural health monitoring. Structural Health Monitoring, 2013, 12, 78-95.	4.3	120
9	Structural Health Monitoring System for the Shandong Binzhou Yellow River Highway Bridge. Computer-Aided Civil and Infrastructure Engineering, 2006, 21, 306-317.	6.3	114
10	Vibration Control of Stay Cables of the Shandong Binzhou Yellow River Highway Bridge Using Magnetorheological Fluid Dampers. Journal of Bridge Engineering, 2007, 12, 401-409.	1.4	100
11	Graphene-engineered cementitious composites. Nanomaterials and Nanotechnology, 2017, 7, 184798041774230.	1.2	98
12	Negative stiffness characteristics of active and semi-active control systems for stay cables. Structural Control and Health Monitoring, 2008, 15, 120-142.	1.9	94
13	Response Surface Method Based on Radial Basis Functions for Modeling Largeâ€Scale Structures in Model Updating. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 210-226.	6.3	94
14	Experimental and analytical study on pounding reduction of baseâ€isolated highway bridges using MR dampers. Earthquake Engineering and Structural Dynamics, 2009, 38, 1307-1333.	2.5	87
15	A stereovision-based crack width detection approach for concrete surface assessment. KSCE Journal of Civil Engineering, 2016, 20, 803-812.	0.9	86
16	Fabrication of Piezoresistive CNT/CNF Cementitious Composites with Superplasticizer as Dispersant. Journal of Materials in Civil Engineering, 2012, 24, 658-665.	1.3	85
17	Study on the reinforcing mechanisms of nano silica to cement-based materials with theoretical calculation and experimental evidence. Journal of Composite Materials, 2016, 50, 4135-4146.	1.2	78
18	Fractal Dimension-Based Damage Detection Method for Beams with a Uniform Cross-Section. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 190-206.	6.3	72

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19	Vibration mitigation of a stay cable with one shape memory alloy damper. Structural Control and Health Monitoring, 2004, 11, 21-36.	1.9	71
20	Equivalent force control method for generalized real-time substructure testing with implicit integration. Earthquake Engineering and Structural Dynamics, 2007, 36, 1127-1149.	2.5	71
21	Development of Wireless MEMS Inclination Sensor System for Swing Monitoring of Large-Scale Hook Structures. IEEE Transactions on Industrial Electronics, 2009, 56, 1072-1078.	5.2	66
22	Development and sensing properties study of FRPâ€“FBG smart stay cable for bridge health monitoring applications. Measurement: Journal of the International Measurement Confederation, 2011, 44, 722-729.	2.5	61
23	Compressive sensing-based lost data recovery of fast-moving wireless sensing for structural health monitoring. Structural Control and Health Monitoring, 2015, 22, 433-448.	1.9	61
24	Sensing properties of CNT-filled cement-based stress sensors. Journal of Civil Structural Health Monitoring, 2011, 1, 17-24.	2.0	58
25	A study on PVDF sensor using wireless experimental system for bridge structural local monitoring. Telecommunication Systems, 2013, 52, 2357-2366.	1.6	58
26	Monitoring of structural prestress loss in RC beams by inner distributed Brillouin and fiber Bragg grating sensors on a single optical fiber. Structural Control and Health Monitoring, 2014, 21, 317-330.	1.9	57
27	Initial Validation of Mobile-Structural Health Monitoring Method Using Smartphones. International Journal of Distributed Sensor Networks, 2015, 11, 274391.	1.3	52
28	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.	1.9	51
29	A Test Method for Damage Diagnosis of Suspension Bridge Suspender Cables. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 771-784.	6.3	51
30	Damage detection in ambient vibration using proportional flexibility matrix with incomplete measured DOFs. Structural Control and Health Monitoring, 2007, 14, 186-196.	1.9	49
31	Self-sensing cementitious composites incorporated with botryoid hybrid nano-carbon materials for smart infrastructures. Journal of Intelligent Material Systems and Structures, 2017, 28, 699-727.	1.4	49
32	Hybrid active mass damper (AMD) vibration suppression of nonlinear high-rise structure using fuzzy logic control algorithm under earthquake excitations. Structural Control and Health Monitoring, 2011, 18, 698-709.	1.9	48
33	Traffic load modelling based on structural health monitoring data. Structure and Infrastructure Engineering, 2011, 7, 379-386.	2.0	45
34	Seismic response control of a cable-stayed bridge using negative stiffness dampers. Structural Control and Health Monitoring, 2011, 18, 265-288.	1.9	45
35	Experimental and numerical studies on model updating method of damage severity identification utilizing four cost functions. Structural Control and Health Monitoring, 2013, 20, 107-120.	1.9	45
36	Modal identification of bridges under varying environmental conditions: Temperature and wind effects. Structural Control and Health Monitoring, 2009, 17, n/a-n/a.	1.9	44

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37	A design approach for semi-active and smart base-isolated buildings. Structural Control and Health Monitoring, 2006, 13, 660-681.	1.9	42
38	Dempsterâ€“Shafer evidence theory approach to structural damage detection. Structural Health Monitoring, 2012, 11, 13-26.	4.3	40
39	Review of Benchmark Studies and Guidelines for Structural Health Monitoring. Advances in Structural Engineering, 2013, 16, 1187-1206.	1.2	40
40	Performance of an offshore platform with MR dampers subjected to ice and earthquake. Structural Control and Health Monitoring, 2011, 18, 682-697.	1.9	37
41	Influence of water content on conductivity and piezoresistivity of cement-based material with both carbon fiber and carbon black. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 147-151.	0.4	36
42	Analysis of capability for semi-active or passive damping systems to achieve the performance of active control systems. Structural Control and Health Monitoring, 2010, 17, 778-794.	1.9	34
43	A substructure isolation method for local structural health monitoring. Structural Control and Health Monitoring, 2011, 18, 601-618.	1.9	33
44	Reliability assessment of cable-stayed bridges based on structural health monitoring techniques. Structure and Infrastructure Engineering, 2012, 8, 829-845.	2.0	33
45	Optimization Design of Coupling Beam Metal Damper in Shear Wall Structures. Applied Sciences (Switzerland), 2017, 7, 137.	1.3	33
46	Seismic performance of structures incorporating magnetorheological dampers with pseudo-NEGATIVE STIFFNESS. Structural Control and Health Monitoring, 2013, 20, 405-421.	1.9	31
47	Emerging data technology in structural health monitoring: compressive sensing technology. Journal of Civil Structural Health Monitoring, 2014, 4, 77-90.	2.0	31
48	Application of support vector machine for pattern classification of active thermometry-based pipeline scour monitoring. Structural Control and Health Monitoring, 2015, 22, 903-918.	1.9	31
49	Global responses analysis of a semi-submersible platform with different mooring models in South China Sea. Ships and Offshore Structures, 2013, 8, 441-456.	0.9	30
50	Dynamic behavior monitoring and damage evaluation for arch bridge suspender using GFRP optical fiber Bragg grating sensors. Optics and Laser Technology, 2012, 44, 1031-1038.	2.2	29
51	Structural Health Monitoring and Model Updating of Aizhai Suspension Bridge. Journal of Aerospace Engineering, 2017, 30, .	0.8	28
52	Stress corrosion damage evolution analysis and mechanism identification for prestressed steel strands using acoustic emission technique. Structural Control and Health Monitoring, 2018, 25, e2189.	1.9	28
53	Self-Powered Wireless Corrosion Monitoring Sensors and Networks. IEEE Sensors Journal, 2010, 10, 1901-1902.	2.4	27
54	Coupled wind-wave time domain analysis of floating offshore wind turbine based on Computational Fluid Dynamics method. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	26

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55	Smartphone-Based Mobile Testing Technique for Quick Bridge Cableâ€“Force Measurement. Journal of Bridge Engineering, 2017, 22, .	1.4	26
56	Thermodynamic modeling of the essential physicochemical interactions between the pore solution and the cement hydrates in chloride-contaminated cement-based materials. Journal of Colloid and Interface Science, 2018, 531, 56-63.	5.0	26
57	Experimental Research on Quick Structural Health Monitoring Technique for Bridges Using Smartphone. Advances in Materials Science and Engineering, 2016, 2016, 1-14.	1.0	25
58	Optimization Design of a Corrosion Monitoring Sensor by FEM for RC Structures. IEEE Sensors Journal, 2011, 11, 2111-2112.	2.4	24
59	Experimental study of the substructure isolation method for local health monitoring. Structural Control and Health Monitoring, 2012, 19, 491-510.	1.9	23
60	Properties of cobalt nanofiber-based magnetorheological fluids. RSC Advances, 2015, 5, 13958-13963.	1.7	23
61	Axial Strain Accelerations Approach for Damage Localization in Statically Determinate Truss Structures. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 304-318.	6.3	23
62	Pressure sensitivity of multiscale carbon-admixturesâ€“enhanced cement-based composites. Nanomaterials and Nanotechnology, 2018, 8, 184798041879352.	1.2	23
63	INVESTIGATION OF SEISMIC DAMAGE OF CABLE-STAYED BRIDGES WITH DIFFERENT CONNECTION CONFIGURATION. Journal of Earthquake and Tsunami, 2009, 03, 227-247.	0.7	22
64	Innovative approach to design truncated mooring system based on static and damping equivalent. Ships and Offshore Structures, 2014, 9, 557-568.	0.9	22
65	Structural finite element model updating by using response surfaces and radial basis functions. Advances in Structural Engineering, 2016, 19, 1446-1462.	1.2	22
66	Improved Performance-Based Plastic Design for RC Moment Resisting Frames: Development and a Comparative Case Study. International Journal of Structural Stability and Dynamics, 2018, 18, 1850050.	1.5	22
67	Vibration Mitigation of Suspension Bridge Suspender Cables Using a Ring-Shaped Tuned Liquid Damper. Journal of Bridge Engineering, 2019, 24, .	1.4	22
68	The wind-wave tunnel test of a tension-leg platform type floating offshore wind turbine. Journal of Renewable and Sustainable Energy, 2012, 4, .	0.8	21
69	Active Thermometry Based DS18B20 Temperature Sensor Network for Offshore Pipeline Scour Monitoring Using K-Means Clustering Algorithm. International Journal of Distributed Sensor Networks, 2013, 9, 852090.	1.3	21
70	A degree of dispersion-based damage localization method. Structural Control and Health Monitoring, 2016, 23, 176-192.	1.9	21
71	Nonlinear finite element modeling and response analysis of the collapsed Alto Rio building in the 2010 Chile Maule earthquake. Structural Design of Tall and Special Buildings, 2017, 26, e1364.	0.9	21
72	An Optical Fiber Bragg Grating Sensing System for Scour Monitoring. Advances in Structural Engineering, 2011, 14, 67-78.	1.2	20

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73	The Effect of Additional Mooring Chains on the Motion Performance of a Floating Wind Turbine with a Tension Leg Platform. Energies, 2012, 5, 1135-1149.	1.6	20
74	Structural damage identification by adding virtual masses. Structural and Multidisciplinary Optimization, 2013, 48, 59-72.	1.7	20
75	Mechanical Behavior of BFRP-Steel Composite Plate under Axial Tension. Polymers, 2014, 6, 1862-1876.	2.0	20
76	Physical modeling and design method of the hysteretic behavior of magnetorheological dampers. Journal of Intelligent Material Systems and Structures, 2014, 25, 680-696.	1.4	20
77	Frequency-Domain Substructure Isolation for Local Damage Identification. Advances in Structural Engineering, 2015, 18, 137-153.	1.2	20
78	Smart aggregate-based seismic stress monitoring system using a specially designed charge amplifier. Journal of Intelligent Material Systems and Structures, 2016, 27, 418-426.	1.4	20
79	Structural Damage Localization and Quantification Based on Additional Virtual Masses and Bayesian Theory. Journal of Engineering Mechanics - ASCE, 2018, 144, 04018097.	1.6	20
80	Experimental Study of the Hydrodynamic Responses of a Bridge Tower to Waves and Wave Currents. Journal of Waterway, Port, Coastal and Ocean Engineering, 2017, 143, .	0.5	19
81	Feasibility of SAâ€“based concrete seismic stress monitoring for high-strength concrete. Journal of Intelligent Material Systems and Structures, 2017, 28, 2428-2436.	1.4	19
82	Experimental and numerical study of the effects of heave plate on the motion of a new deep draft multi-spar platform. Journal of Marine Science and Technology, 2013, 18, 229-246.	1.3	18
83	A practical numerical substructure method for seismic nonlinear analysis of tall building structures. Structural Design of Tall and Special Buildings, 2017, 26, e1377.	0.9	18
84	Analytical Model for Initial Rotational Stiffness of Steel Beam to Concrete-Filled Steel Tube Column Connections with Bidirectional Bolts. Journal of Structural Engineering, 2018, 144, .	1.7	18
85	Linearâ€elastic lateral load analysis and seismic design of pinâ€supported wallâ€frame structures with yielding dampers. Earthquake Engineering and Structural Dynamics, 2018, 47, 988-1013.	2.5	17
86	Enhanced Impact Properties of Concrete Modified with Nanofiller Inclusions. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	17
87	Spectral Element Model Updating for Damage Identification Using Clonal Selection Algorithm. Advances in Structural Engineering, 2011, 14, 837-856.	1.2	16
88	Optimal sensor placement in health monitoring of suspension bridge. Science China Technological Sciences, 2012, 55, 2039-2047.	2.0	16
89	Conceptual design of a deep draft semi-submersible platform with a moveable heave-plate. Journal of Ocean University of China, 2012, 11, 7-12.	0.6	16
90	Numerical Investigation of a Tuned Heave Plate Energy-Harvesting System of a Semi-Submersible Platform. Energies, 2016, 9, 82.	1.6	16

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91	Assessing and quantifying the earthquake response of reinforced concrete buckling-restrained brace frame structures. Bulletin of Earthquake Engineering, 2019, 17, 3847-3871.	2.3	16
92	Swinging motion control of suspended structures: Principles and applications. Structural Control and Health Monitoring, 2009, 17, n/a-n/a.	1.9	15
93	Hydrodynamic comparison of a semi-submersible, TLP, and Spar: Numerical study in the South China Sea environment. Journal of Marine Science and Application, 2011, 10, 306-314.	0.7	15
94	A macro-level global seismic damage model considering higher modes. Earthquake Engineering and Engineering Vibration, 2014, 13, 425-436.	1.1	15
95	Control strategies and experimental verifications of the electromagnetic mass damper system for structural vibration control. Earthquake Engineering and Engineering Vibration, 2008, 7, 181-192.	1.1	14
96	Fatigue Damage Evolution and Monitoring of Carbon Fiber Reinforced Polymer Bridge Cable by Acoustic Emission Technique. International Journal of Distributed Sensor Networks, 2012, 8, 282139.	1.3	14
97	A new idea: Mobile structural health monitoring using Smart phones. , 2012, , .		14
98	Investigation of Temperature Effects on Modal Parameters of the China National Aquatics Center. Advances in Structural Engineering, 2012, 15, 1139-1153.	1.2	14
99	Optimal design and hydrodynamic response analysis of deep water mooring system with submerged buoys. Ships and Offshore Structures, 2018, 13, 476-487.	0.9	14
100	Design approaches for active, semi-active and passive control systems based on analysis of characteristics of active control force. Earthquake Engineering and Engineering Vibration, 2009, 8, 493-506.	1.1	13
101	Fatigue damage characterization of carbon fiber reinforced polymer bridge cables: Wavelet transform analysis for clustering acoustic emission data. Science China Technological Sciences, 2011, 54, 379-387.	2.0	13
102	Design of Wireless Logging Instrument System for Monitoring Oil Drilling Platform. IEEE Sensors Journal, 2015, 15, 3453-3458.	2.4	13
103	Interface transferring mechanism and error modification of embedded FBG strain sensors. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2007, 2, 92-98.	0.6	12
104	Dynamic performance of a semi-submersible platform subject to wind and waves. Journal of Ocean University of China, 2011, 10, 127-134.	0.6	12
105	Numerical and experimental analysis of hydroelastic response on a very large floating structure edged with a pair of submerged horizontal plates. Journal of Marine Science and Technology, 2015, 20, 127-141.	1.3	12
106	Rank-revealing QR decomposition applied to damage localization in truss structures. Structural Control and Health Monitoring, 2017, 24, e1849.	1.9	12
107	Adaptive fuzzy sliding mode based active vibration control of a smart beam with mass uncertainty. Structural Control and Health Monitoring, 2009, 18, n/a-n/a.	1.9	11
108	DNN Based Fault Tolerant Control of Nonlinear Structural Vibration with Actuator Faults. Advances in Structural Engineering, 2011, 14, 871-879.	1.2	11

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109	Performance and Application of Equivalent Force Control Method for Real-Time Substructure Testing. Journal of Engineering Mechanics - ASCE, 2012, 138, 1303-1316.	1.6	11
110	A Wireless Fatigue Monitoring System Utilizing a Bio-Inspired Tree Ring Data Tracking Technique. Sensors, 2014, 14, 4364-4383.	2.1	11
111	Strain transfer mechanism of quadrate-packaged FBG sensors embedded in rectangular structures. Journal of Civil Structural Health Monitoring, 2015, 5, 469-480.	2.0	11
112	Numerical analysis on design and application of cement-based sensor for structural health monitoring. Journal of Intelligent Material Systems and Structures, 2017, 28, 2579-2602.	1.4	11
113	Semi-Active Control for Benchmark Building Using Innovative TMD with MRE Isolators. International Journal of Structural Stability and Dynamics, 2020, 20, 2040009.	1.5	11
114	Seismic failure mode improvement of RC frame structure based on multiple lateral load patterns of pushover analyses. Science China Technological Sciences, 2011, 54, 2825-2833.	2.0	10
115	BP-PSO-based intelligent case retrieval method for high-rise structural form selection. Science China Technological Sciences, 2013, 56, 940-944.	2.0	10
116	Experimental and numerical studies on a test method for damage diagnosis of stay cables. Advances in Structural Engineering, 2017, 20, 245-256.	1.2	10
117	Thin Fe-C Alloy Solid Film Based Fiber Optic Corrosion Sensor. , 2006, , .		9
118	Experimental Study of Rain Effects on Vortex Shedding of Long Span Bridge Girders. Advances in Structural Engineering, 2012, 15, 1793-1799.	1.2	9
119	Fatigue Analysis of Deepwater Hybrid Mooring Line Under Corrosion Effect. Polish Maritime Research, 2014, 21, 68-76.	0.6	9
120	Realization of the global yield mechanism of RC frame structures by redesigning the columns using column tree method. Science China Technological Sciences, 2015, 58, 1627-1637.	2.0	9
121	Seismic optimization design for uniform damage of reinforced concrete moment-resisting frames using consecutive modal pushover analysis. Advances in Structural Engineering, 2016, 19, 1313-1327.	1.2	9
122	A novel tuned heave plate system for heave motion suppression and energy harvesting on semi-submersible platforms. Science China Technological Sciences, 2016, 59, 897-912.	2.0	9
123	Effect of Circumferentially Nonuniform Lateral Tension on Bond Behavior between Plain Round Bars and Concrete: Analytical Study. Journal of Structural Engineering, 2017, 143, .	1.7	9
124	Hydrodynamic analysis of a novel modular floating structure system with central tension-leg platforms. Ships and Offshore Structures, 2020, 15, 1011-1022.	0.9	9
125	PERFORMANCES OF CONCRETE-FILLED GFRP OR GFRP-STEEL CIRCULAR TUBES SUBJECTED TO FREEZE-THAW CYCLES. International Journal of Structural Stability and Dynamics, 2012, 12, 95-108.	1.5	8
126	Fully coupled time-domain simulation of dynamic positioning semi-submersible platform using dynamic surface control. Journal of Ocean University of China, 2014, 13, 407-414.	0.6	8

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127	Numerical Simulation to Optimize Impressed Current Cathodic Protection Systems for RC Structures. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	8
128	Data-based models for fatigue reliability assessment and life prediction of orthotropic steel deck details considering pavement temperature and traffic loads. Journal of Civil Structural Health Monitoring, 2019, 9, 579-596.	2.0	8
129	Dispersion Analysis of Multiscale Wavelet Finite Element for 2D Elastic Wave Propagation. Journal of Engineering Mechanics - ASCE, 2020, 146, .	1.6	8
130	Integrated Optical Fiber Sensing System by Combing Large-Scale Distributed BOTDA/R and Localized FBGs. International Journal of Distributed Sensor Networks, 2012, 8, 804394.	1.3	8
131	Effect of Steel Wool and Graphite on the Electrical Conductivity and Pavement Properties of Asphalt Mixture. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	8
132	Coupled control of the horizontal and vertical plane motions of a semi-submersible platform by a dynamic positioning system. Journal of Marine Science and Technology, 2015, 20, 776-786.	1.3	7
133	Level 2 safety evaluation of concreteâ€filled steel tubular arch bridges incorporating structural health monitoring and inspection information based on China bridge standards. Structural Control and Health Monitoring, 2019, 26, e2303.	1.9	7
134	An efficient method for optimizing the seismic resistance of reinforced concrete frame structures. Advances in Structural Engineering, 2020, 23, 670-686.	1.2	7
135	Seismic Behavior of Steel Moment Frames with Mechanical Hinge Beam-to-Column Connections. International Journal of Structural Stability and Dynamics, 2020, 20, 2040005.	1.5	7
136	Load-Deflection Response of Concrete Beams Reinforced with FRP Bars. Advances in Structural Engineering, 2004, 7, 427-436.	1.2	6
137	Dynamic numerical simulation for ship-OWT collision. , 2009, , .		6
138	A novel durable intelligent fiber reinforced polymer anchor with embedded optical fiber Bragg grating sensors. Science China Technological Sciences, 2012, 55, 1455-1462.	2.0	6
139	Seismic Damage Detection for a Masonry Building Using Aftershock Monitoring Data. Advances in Structural Engineering, 2013, 16, 605-618.	1.2	6
140	Wave and wave-current actions on a bridge tower: An experimental study. Advances in Structural Engineering, 2019, 22, 1467-1478.	1.2	6
141	Non-baseline method for damage detection in truss structures using displacement and strain measurements. Advances in Structural Engineering, 2019, 22, 818-830.	1.2	6
142	Control of Vortex-Induced Vibration of a Long-Span Bridge by Inclined Railings. Journal of Bridge Engineering, 2021, 26, .	1.4	6
143	Mechanical properties of a novel buckling restrained shear panel damper with octagon restraining plates. Earthquake Engineering and Structural Dynamics, 2022, 51, 259-276.	2.5	6
144	The pseudo-viscous frictional energy dissipator: a new device for mitigating seismic effects. Earthquake Engineering and Structural Dynamics, 2003, 32, 31-48.	2.5	5

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145	Stability of average acceleration method for structures with nonlinear damping. Earthquake Engineering and Engineering Vibration, 2006, 5, 87-92.	1.1	5
146	Semiactive variable stiffness control for parametric vibration of cables. Earthquake Engineering and Engineering Vibration, 2006, 5, 215-222.	1.1	5
147	Pushover analysis procedure for systems considering SSI effects based on capacity spectrum method. Earthquake Engineering and Engineering Vibration, 2007, 6, 269-279.	1.1	5
148	Windborne debris damage prediction analysis. Frontiers of Architecture and Civil Engineering in China, 2010, 4, 326-330.	0.4	5
149	Self-Healing Key-Distribution Scheme with Collusion Attack Resistance Based on One-Way Key Chains and Secret Sharing in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 821486.	1.3	5
150	Structural Health Monitoring Based on Combined Structural Global and Local Frequencies. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	5
151	Design and Implementation of a Multiple Traffic Parameter Detection Sensor Developed With Quantum Tunneling Composites. IEEE Sensors Journal, 2015, 15, 4845-4852.	2.4	5
152	Steady suction for controlling across-wind loading of high-rise buildings. Structural Design of Tall and Special Buildings, 2016, 25, 785-800.	0.9	5
153	Experimental study on flutter stability of a long-span bridge subject to wind-rain actions. Science China Technological Sciences, 2013, 56, 2089-2098.	2.0	4
154	Pressure distributions on prism-shaped buildings in experimentally simulated downburst. Science China Technological Sciences, 2014, 57, 2070-2081.	2.0	4
155	Substructure isolation and damage identification using free responses. Science China Technological Sciences, 2014, 57, 1698-1706.	2.0	4
156	Experimental verification of a semi-submersible platform with truncated mooring system based on static and damping equivalence. Ships and Offshore Structures, 2017, 12, 1145-1153.	0.9	4
157	A feedback latching controller for two-body wave energy converters under irregular wave conditions. Science China Technological Sciences, 2018, 61, 1114-1126.	2.0	4
158	Collapse safety margin-oriented seismic retrofit strategy for corroded reinforced concrete frames using fibre reinforced plastics. Structure and Infrastructure Engineering, 2019, 15, 1025-1035.	2.0	4
159	Experimental Study on Inverse Model-Based Force Tracking Control of MR Damper. Shock and Vibration, 2020, 2020, 1-14.	0.3	4
160	Design of Wireless Intelligent Sensor for Structural Health Monitoring. , 0, , .		3
161	Data Mining and Its Applications for High-rise Structure Intelligent Form-optimization Based on Genetic Algorithm. , 2006, , .		3
162	Numerical simulation of aerodynamic derivatives and critical wind speed for long-span bridges based on simplified steady wind field. Earthquake Engineering and Engineering Vibration, 2007, 6, 197-203.	1.1	3

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163	Deflection measurement using wireless inclination sensors for bridge. , 2010, , .		3
164	PERFORMANCE VARIATIONS OF A CABLE-STAYED BRIDGE WITH DAMAGED CABLES. International Journal of Structural Stability and Dynamics, 2013, 13, 1250083.	1.5	3
165	Use of different mooring models on global response analysis of an innovative deep draft platform. Journal of Ocean University of China, 2014, 13, 215-222.	0.6	3
166	Suction-based active aerodynamic control of wind loads on super high-rise buildings. Advances in Structural Engineering, 2016, 19, 1092-1102.	1.2	3
167	OFBG-Based Smart Double-Skin Tubular Confined-Concrete Column with Basalt FRP-Steel Composite. Sensors, 2019, 19, 3572.	2.1	3
168	Calculation Method of Wave Forces on Large Round-Ended Caisson Foundation. Journal of Shanghai Jiaotong University (Science), 2019, 24, 184-189.	0.5	3
169	Efficient Simulation of RC Shear Walls in High-Rise Buildings Using a Practical Multi-Cross-Line-Model. Journal of Earthquake Engineering, 2021, 25, 1732-1761.	1.4	3
170	Hydrodynamic Analysis of a Modular Floating Structure with Tension-Leg Platforms and Wave Energy Converters. Journal of Marine Science and Engineering, 2021, 9, 424.	1.2	3
171	Numerical Simulation of Surface Roughness Effect on Wind Turbine Thick Airfoils. , 2009, , .		2
172	Numerical study on damage identification using fractal theory and curvature method. , 2011, , .		2
173	Mooring Line Damping Estimation for a Floating Wind Turbine. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	2
174	Hydroelastic analysis of a very large floating structure edged with a pair of submerged horizontal plates. Journal of Ocean University of China, 2015, 14, 228-236.	0.6	2
175	Long-Term Monitoring Reliability and Life Prediction of Fiber Bragg Grating-Based Self-Sensing Steel Strands. Advances in Civil Engineering, 2020, 2020, 1-12.	0.4	2
176	Prior and post peaks compressive behavior of concrete-filled double-skin tubular columns with BFRP-punched-in outer steel and BFRP-circular inner steel. Advances in Structural Engineering, 2020, 23, 2911-2927.	1.2	2
177	Numerical Simulation of Coherent Structures in the Turbulent Boundary Layer under Different Stability Conditions. Energies, 2020, 13, 1068.	1.6	2
178	Field Tests of Vibration Control of Stay Cables by Using Magnetorheological Fluid Dampers. , 0, , .		1
179	BP-based intelligent case retrieval method of high-rise structure form selection. , 2006, , .		1
180	Behavior of high water-cement ratio concrete under biaxial compression after freeze-thaw cycles. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 589-594.	0.4	1

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