

Jinping Ou

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184
papers

3,814
citations

34
h-index

52
g-index

194
ext. papers

4,466
ext. citations

2.9
avg, IF

5.76
L-index

#	Paper	IF	Citations
184	Mechanical properties of a novel buckling restrained shear panel damper with octagon restraining plates. <i>Earthquake Engineering and Structural Dynamics</i> , 2022 , 51, 259	4	1
183	Theoretical models of key parameters for performance-based seismic design of new partially connected steel plate shear wall with vertical square tube stiffeners. <i>Earthquake Engineering and Structural Dynamics</i> , 2022 , 51, 1267-1291	4	
182	Control of Vortex-Induced Vibration of a Long-Span Bridge by Inclined Railings. <i>Journal of Bridge Engineering</i> , 2021 , 26,	2.7	4
181	Hydrodynamic Analysis of a Modular Floating Structure with Tension-Leg Platforms and Wave Energy Converters. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 424	2.4	1
180	Efficient Simulation of RC Shear Walls in High-Rise Buildings Using a Practical Multi-Cross-Line-Model. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 1732-1761	1.8	0
179	Integrated Fatigue Life Evaluation Method for Members in Riveted Steel Truss Bridges. <i>Journal of Performance of Constructed Facilities</i> , 2021 , 35,	2	1
178	Prior and post peaks compressive behavior of concrete-filled double-skin tubular columns with BFRP-punched-in outer steel and BFRP-circular inner steel. <i>Advances in Structural Engineering</i> , 2020 , 23, 2911-2927	1.9	2
177	Dispersion Analysis of Multiscale Wavelet Finite Element for 2D Elastic Wave Propagation. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020022	2.4	7
176	Numerical Simulation of Coherent Structures in the Turbulent Boundary Layer under Different Stability Conditions. <i>Energies</i> , 2020 , 13, 1068	3.1	2
175	Hydrodynamic analysis of a novel modular floating structure system with central tension-leg platforms. <i>Ships and Offshore Structures</i> , 2020 , 15, 1011-1022	1.4	4
174	Experimental Study on Inverse Model-Based Force Tracking Control of MR Damper. <i>Shock and Vibration</i> , 2020 , 2020, 1-14	1.1	2
173	Long-Term Monitoring Reliability and Life Prediction of Fiber Bragg Grating-Based Self-Sensing Steel Strands. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-12	1.3	0
172	An efficient method for optimizing the seismic resistance of reinforced concrete frame structures. <i>Advances in Structural Engineering</i> , 2020 , 23, 670-686	1.9	4
171	Seismic Behavior of Steel Moment Frames with Mechanical Hinge Beam-to-Column Connections. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2040005	1.9	3
170	Semi-Active Control for Benchmark Building Using Innovative TMD with MRE Isolators. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2040009	1.9	4
169	OFBG-Based Smart Double-Skin Tubular Confined-Concrete Column with Basalt FRP-Steel Composite. <i>Sensors</i> , 2019 , 19,	3.8	3
168	Data-based models for fatigue reliability assessment and life prediction of orthotropic steel deck details considering pavement temperature and traffic loads. <i>Journal of Civil Structural Health Monitoring</i> , 2019 , 9, 579-596	2.9	2

167	Calculation Method of Wave Forces on Large Round-Ended Caisson Foundation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019 , 24, 184-189	0.6	2
166	Wave Forces and Moments on a Gravity Pier Foundation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2019 , 24, 305-312	0.6	
165	Assessing and quantifying the earthquake response of reinforced concrete buckling-restrained brace frame structures. <i>Bulletin of Earthquake Engineering</i> , 2019 , 17, 3847-3871	3.7	13
164	Collapse safety margin-oriented seismic retrofit strategy for corroded reinforced concrete frames using fibre reinforced plastics. <i>Structure and Infrastructure Engineering</i> , 2019 , 15, 1025-1035	2.9	1
163	Recent progress and future trends on damage identification methods for bridge structures. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2416	4.5	75
162	Enhanced Impact Properties of Concrete Modified with Nanofiller Inclusions. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019030	3	10
161	Vibration Mitigation of Suspension Bridge Suspender Cables Using a Ring-Shaped Tuned Liquid Damper. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019020	2.7	14
160	Wave and wave-current actions on a bridge tower: An experimental study. <i>Advances in Structural Engineering</i> , 2019 , 22, 1467-1478	1.9	3
159	Non-baseline method for damage detection in truss structures using displacement and strain measurements. <i>Advances in Structural Engineering</i> , 2019 , 22, 818-830	1.9	3
158	Optimal design and hydrodynamic response analysis of deep water mooring system with submerged buoys. <i>Ships and Offshore Structures</i> , 2018 , 13, 476-487	1.4	9
157	Linear-elastic lateral load analysis and seismic design of pin-supported wall-frame structures with yielding dampers. <i>Earthquake Engineering and Structural Dynamics</i> , 2018 , 47, 988-1013	4	11
156	Improved Performance-Based Plastic Design for RC Moment Resisting Frames: Development and a Comparative Case Study. <i>International Journal of Structural Stability and Dynamics</i> , 2018 , 18, 1850050	1.9	16
155	Thermodynamic modeling of the essential physicochemical interactions between the pore solution and the cement hydrates in chloride-contaminated cement-based materials. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 56-63	9.3	15
154	Stress corrosion damage evolution analysis and mechanism identification for prestressed steel strands using acoustic emission technique. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2189	4.5	17
153	Analytical Model for Initial Rotational Stiffness of Steel Beam to Concrete-Filled Steel Tube Column Connections with Bidirectional Bolts. <i>Journal of Structural Engineering</i> , 2018 , 144, 04018199	3	10
152	Structural Damage Localization and Quantification Based on Additional Virtual Masses and Bayesian Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2018 , 144, 04018097	2.4	19
151	Level 2 safety evaluation of concrete-filled steel tubular arch bridges incorporating structural health monitoring and inspection information based on China bridge standards. <i>Structural Control and Health Monitoring</i> , 2018 , 26, e2303	4.5	4
150	Pressure sensitivity of multiscale carbon-admixtures-enhanced cement-based composites. <i>Nanomaterials and Nanotechnology</i> , 2018 , 8, 184798041879352	2.9	17

149	A feedback latching controller for two-body wave energy converters under irregular wave conditions. <i>Science China Technological Sciences</i> , 2018 , 61, 1114-1126	3.5	4
148	Self-sensing cementitious composites incorporated with botryoid hybrid nano-carbon materials for smart infrastructures. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 699-727	2.3	31
147	Rank-revealing QR decomposition applied to damage localization in truss structures. <i>Structural Control and Health Monitoring</i> , 2017 , 24, e1849	4.5	11
146	Experimental Study of the Hydrodynamic Responses of a Bridge Tower to Waves and Wave Currents. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2017 , 143, 04017002	1.7	14
145	Axial Strain Accelerations Approach for Damage Localization in Statically Determinate Truss Structures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017 , 32, 304-318	8.4	19
144	Feasibility of SA-based concrete seismic stress monitoring for high-strength concrete. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 2428-2436	2.3	15
143	Numerical analysis on design and application of cement-based sensor for structural health monitoring. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 2579-2602	2.3	6
142	Numerical Simulation to Optimize Impressed Current Cathodic Protection Systems for RC Structures. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017005	3	6
141	Nonlinear finite element modeling and response analysis of the collapsed Alto Rio building in the 2010 Chile Maule earthquake. <i>Structural Design of Tall and Special Buildings</i> , 2017 , 26, e1364	1.8	16
140	Experimental verification of a semi-submersible platform with truncated mooring system based on static and damping equivalence. <i>Ships and Offshore Structures</i> , 2017 , 12, 1145-1153	1.4	3
139	Effect of Circumferentially Nonuniform Lateral Tension on Bond Behavior between Plain Round Bars and Concrete: Analytical Study. <i>Journal of Structural Engineering</i> , 2017 , 143, 04017170	3	6
138	Optimization Design of Coupling Beam Metal Damper in Shear Wall Structures. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 137	2.6	20
137	A practical numerical substructure method for seismic nonlinear analysis of tall building structures. <i>Structural Design of Tall and Special Buildings</i> , 2017 , 26, e1377	1.8	6
136	Smartphone-Based Mobile Testing Technique for Quick Bridge Cable Force Measurement. <i>Journal of Bridge Engineering</i> , 2017 , 22, 06016012	2.7	19
135	Experimental and numerical studies on a test method for damage diagnosis of stay cables. <i>Advances in Structural Engineering</i> , 2017 , 20, 245-256	1.9	6
134	Structural Health Monitoring and Model Updating of Aizhai Suspension Bridge. <i>Journal of Aerospace Engineering</i> , 2017 , 30,	1.4	20
133	Graphene-engineered cementitious composites: Small makes a big impact. <i>Nanomaterials and Nanotechnology</i> , 2017 , 7, 184798041774230	2.9	49
132	A stereovision-based crack width detection approach for concrete surface assessment. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 803-812	1.9	47

131	Smart aggregate-based seismic stress monitoring system using a specially designed charge amplifier. <i>Journal of Intelligent Material Systems and Structures</i> , 2016 , 27, 418-426	2.3	17
130	A novel tuned heave plate system for heave motion suppression and energy harvesting on semi-submersible platforms. <i>Science China Technological Sciences</i> , 2016 , 59, 897-912	3.5	7
129	Steady suction for controlling across-wind loading of high-rise buildings. <i>Structural Design of Tall and Special Buildings</i> , 2016 , 25, 785-800	1.8	5
128	Suction-based active aerodynamic control of wind loads on super high-rise buildings. <i>Advances in Structural Engineering</i> , 2016 , 19, 1092-1102	1.9	2
127	A degree of dispersion-based damage localization method. <i>Structural Control and Health Monitoring</i> , 2016 , 23, 176-192	4.5	16
126	Study on the reinforcing mechanisms of nano silica to cement-based materials with theoretical calculation and experimental evidence. <i>Journal of Composite Materials</i> , 2016 , 50, 4135-4146	2.7	59
125	Experimental Research on Quick Structural Health Monitoring Technique for Bridges Using Smartphone. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-14	1.5	20
124	Numerical Investigation of a Tuned Heave Plate Energy-Harvesting System of a Semi-Submersible Platform. <i>Energies</i> , 2016 , 9, 82	3.1	12
123	Structural finite element model updating by using response surfaces and radial basis functions. <i>Advances in Structural Engineering</i> , 2016 , 19, 1446-1462	1.9	15
122	Seismic optimization design for uniform damage of reinforced concrete moment-resisting frames using consecutive modal pushover analysis. <i>Advances in Structural Engineering</i> , 2016 , 19, 1313-1327	1.9	7
121	Properties of cobalt nanofiber-based magnetorheological fluids. <i>RSC Advances</i> , 2015 , 5, 13958-13963	3.7	21
120	Hydroelastic analysis of a very large floating structure edged with a pair of submerged horizontal plates. <i>Journal of Ocean University of China</i> , 2015 , 14, 228-236	1	1
119	Design and Implementation of a Multiple Traffic Parameter Detection Sensor Developed With Quantum Tunneling Composites. <i>IEEE Sensors Journal</i> , 2015 , 15, 4845-4852	4	4
118	Application of support vector machine for pattern classification of active thermometry-based pipeline scour monitoring. <i>Structural Control and Health Monitoring</i> , 2015 , 22, 903-918	4.5	24
117	Realization of the global yield mechanism of RC frame structures by redesigning the columns using column tree method. <i>Science China Technological Sciences</i> , 2015 , 58, 1627-1637	3.5	9
116	A Test Method for Damage Diagnosis of Suspension Bridge Suspender Cables. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015 , 30, 771-784	8.4	43
115	Strain transfer mechanism of quadrature-packaged FBG sensors embedded in rectangular structures. <i>Journal of Civil Structural Health Monitoring</i> , 2015 , 5, 469-480	2.9	10
114	Coupled control of the horizontal and vertical plane motions of a semi-submersible platform by a dynamic positioning system. <i>Journal of Marine Science and Technology</i> , 2015 , 20, 776-786	1.7	5

113	Review: optical fiber sensors for civil engineering applications. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 871-906	3.4	214
112	Compressive sensing-based lost data recovery of fast-moving wireless sensing for structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2015 , 22, 433-448	4.5	39
111	Numerical and experimental analysis of hydroelastic response on a very large floating structure edged with a pair of submerged horizontal plates. <i>Journal of Marine Science and Technology</i> , 2015 , 20, 127-141	1.7	10
110	Smart concretes and structures: A review. <i>Journal of Intelligent Material Systems and Structures</i> , 2015 , 26, 1303-1345	2.3	138
109	Design of Wireless Logging Instrument System for Monitoring Oil Drilling Platform. <i>IEEE Sensors Journal</i> , 2015 , 15, 3453-3458	4	10
108	Frequency-Domain Substructure Isolation for Local Damage Identification. <i>Advances in Structural Engineering</i> , 2015 , 18, 137-153	1.9	17
107	Initial Validation of Mobile-Structural Health Monitoring Method Using Smartphones. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 274391	1.7	41
106	Use of different mooring models on global response analysis of an innovative deep draft platform. <i>Journal of Ocean University of China</i> , 2014 , 13, 215-222	1	3
105	Substructure isolation and damage identification using free responses. <i>Science China Technological Sciences</i> , 2014 , 57, 1698-1706	3.5	3
104	Fully coupled time-domain simulation of dynamic positioning semi-submersible platform using dynamic surface control. <i>Journal of Ocean University of China</i> , 2014 , 13, 407-414	1	6
103	Physical modeling and design method of the hysteretic behavior of magnetorheological dampers. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 680-696	2.3	15
102	Coupled wind-wave time domain analysis of floating offshore wind turbine based on Computational Fluid Dynamics method. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 023106	2.5	17
101	Monitoring of structural prestress loss in RC beams by inner distributed Brillouin and fiber Bragg grating sensors on a single optical fiber. <i>Structural Control and Health Monitoring</i> , 2014 , 21, 317-330	4.5	43
100	Innovative approach to design truncated mooring system based on static and damping equivalent. <i>Ships and Offshore Structures</i> , 2014 , 9, 557-568	1.4	18
99	Mooring line damping estimation for a floating wind turbine. <i>Scientific World Journal, The</i> , 2014 , 2014, 840283	2.2	2
98	Structural Health Monitoring Based on Combined Structural Global and Local Frequencies. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-13	1.1	4
97	Pressure distributions on prism-shaped buildings in experimentally simulated downburst. <i>Science China Technological Sciences</i> , 2014 , 57, 2070-2081	3.5	3
96	A wireless fatigue monitoring system utilizing a bio-inspired tree ring data tracking technique. <i>Sensors</i> , 2014 , 14, 4364-83	3.8	10

95	Fatigue Analysis of Deepwater Hybrid Mooring Line Under Corrosion Effect. <i>Polish Maritime Research</i> , 2014 , 21, 68-76	1.7	7
94	A macro-level global seismic damage model considering higher modes. <i>Earthquake Engineering and Engineering Vibration</i> , 2014 , 13, 425-436	2	13
93	Mechanical Behavior of BFRP-Steel Composite Plate under Axial Tension. <i>Polymers</i> , 2014 , 6, 1862-1876	4.5	14
92	SMC structural health monitoring benchmark problem using monitored data from an actual cable-stayed bridge. <i>Structural Control and Health Monitoring</i> , 2014 , 21, 156-172	4.5	92
91	Real-time hybrid simulation approach for performance validation of structural active control systems: a linear motor actuator based active mass driver case study. <i>Structural Control and Health Monitoring</i> , 2014 , 21, 574-589	4.5	46
90	Emerging data technology in structural health monitoring: compressive sensing technology. <i>Journal of Civil Structural Health Monitoring</i> , 2014 , 4, 77-90	2.9	25
89	Experimental and numerical studies on model updating method of damage severity identification utilizing four cost functions. <i>Structural Control and Health Monitoring</i> , 2013 , 20, 107-120	4.5	40
88	Seismic performance of structures incorporating magnetorheological dampers with pseudo-NEGATIVE STIFFNESS. <i>Structural Control and Health Monitoring</i> , 2013 , 20, 405-421	4.5	27
87	A study on PVDF sensor using wireless experimental system for bridge structural local monitoring. <i>Telecommunication Systems</i> , 2013 , 52, 2357-2366	2.3	34
86	Experimental study on flutter stability of a long-span bridge subject to wind-rain actions. <i>Science China Technological Sciences</i> , 2013 , 56, 2089-2098	3.5	3
85	BP-PSO-based intelligent case retrieval method for high-rise structural form selection. <i>Science China Technological Sciences</i> , 2013 , 56, 940-944	3.5	5
84	Experimental and numerical study of the effects of heave plate on the motion of a new deep draft multi-spar platform. <i>Journal of Marine Science and Technology</i> , 2013 , 18, 229-246	1.7	14
83	Structural damage identification by adding virtual masses. <i>Structural and Multidisciplinary Optimization</i> , 2013 , 48, 59-72	3.6	17
82	Response Surface Method Based on Radial Basis Functions for Modeling Large-Scale Structures in Model Updating. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013 , 28, 210-226	8.4	82
81	Compressive samplingBased data loss recovery for wireless sensor networks used in civil structural health monitoring. <i>Structural Health Monitoring</i> , 2013 , 12, 78-95	4.4	89
80	Active Thermometry Based DS18B20 Temperature Sensor Network for Offshore Pipeline Scour Monitoring Using K-Means Clustering Algorithm. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 852090	1.7	14
79	Seismic Damage Detection for a Masonry Building Using Aftershock Monitoring Data. <i>Advances in Structural Engineering</i> , 2013 , 16, 605-618	1.9	4
78	Review of Benchmark Studies and Guidelines for Structural Health Monitoring. <i>Advances in Structural Engineering</i> , 2013 , 16, 1187-1206	1.9	32

77	PERFORMANCE VARIATIONS OF A CABLE-STAYED BRIDGE WITH DAMAGED CABLES. <i>International Journal of Structural Stability and Dynamics</i> , 2013 , 13, 1250083	1.9	1
76	Global responses analysis of a semi-submersible platform with different mooring models in South China Sea. <i>Ships and Offshore Structures</i> , 2013 , 8, 441-456	1.4	16
75	Traceable, group-oriented, signature scheme with multiple signing policies in group-based trust management. <i>IET Information Security</i> , 2013 , 7, 343-348	1.4	1
74	Dynamic behavior monitoring and damage evaluation for arch bridge suspender using GFRP optical fiber Bragg grating sensors. <i>Optics and Laser Technology</i> , 2012 , 44, 1031-1038	4.2	24
73	Conceptual design of a deep draft semi-submersible platform with a moveable heave-plate. <i>Journal of Ocean University of China</i> , 2012 , 11, 7-12	1	14
72	PERFORMANCES OF CONCRETE-FILLED GFRP OR GFRP-STEEL CIRCULAR TUBES SUBJECTED TO FREEZE-THAW CYCLES. <i>International Journal of Structural Stability and Dynamics</i> , 2012 , 12, 95-108	1.9	4
71	Performance and Application of Equivalent Force Control Method for Real-Time Substructure Testing. <i>Journal of Engineering Mechanics - ASCE</i> , 2012 , 138, 1303-1316	2.4	10
70	Effects of CNT concentration level and water/cement ratio on the piezoresistivity of CNT/cement composites. <i>Journal of Composite Materials</i> , 2012 , 46, 19-25	2.7	94
69	Experimental study of the substructure isolation method for local health monitoring. <i>Structural Control and Health Monitoring</i> , 2012 , 19, 491-510	4.5	20
68	A novel durable intelligent fiber reinforced polymer anchor with embedded optical fiber Bragg grating sensors. <i>Science China Technological Sciences</i> , 2012 , 55, 1455-1462	3.5	5
67	Optimal sensor placement in health monitoring of suspension bridge. <i>Science China Technological Sciences</i> , 2012 , 55, 2039-2047	3.5	13
66	Fabrication of Piezoresistive CNT/CNF Cementitious Composites with Superplasticizer as Dispersant. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 658-665	3	67
65	The wind-wave tunnel test of a tension-leg platform type floating offshore wind turbine. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 063117	2.5	15
64	The Effect of Additional Mooring Chains on the Motion Performance of a Floating Wind Turbine with a Tension Leg Platform. <i>Energies</i> , 2012 , 5, 1135-1149	3.1	15
63	Fatigue Damage Evolution and Monitoring of Carbon Fiber Reinforced Polymer Bridge Cable by Acoustic Emission Technique. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 282139	1.7	9
62	Self-Healing Key-Distribution Scheme with Collusion Attack Resistance Based on One-Way Key Chains and Secret Sharing in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 821486	1.7	4
61	A new idea: Mobile structural health monitoring using Smart phones 2012 ,		12
60	Reliability assessment of cable-stayed bridges based on structural health monitoring techniques. <i>Structure and Infrastructure Engineering</i> , 2012 , 8, 829-845	2.9	25

59	Dempster-Shafer evidence theory approach to structural damage detection. <i>Structural Health Monitoring</i> , 2012 , 11, 13-26	4.4	35
58	Experimental Study of Rain Effects on Vortex Shedding of Long Span Bridge Girders. <i>Advances in Structural Engineering</i> , 2012 , 15, 1793-1799	1.9	5
57	Investigation of Temperature Effects on Modal Parameters of the China National Aquatics Center. <i>Advances in Structural Engineering</i> , 2012 , 15, 1139-1153	1.9	14
56	Integrated Optical Fiber Sensing System by Combing Large-Scale Distributed BOTDA/R and Localized FBGs. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 804394	1.7	5
55	Spectral Element Model Updating for Damage Identification Using Clonal Selection Algorithm. <i>Advances in Structural Engineering</i> , 2011 , 14, 837-856	1.9	16
54	DNN Based Fault Tolerant Control of Nonlinear Structural Vibration with Actuator Faults. <i>Advances in Structural Engineering</i> , 2011 , 14, 871-879	1.9	10
53	Fractal Dimension-Based Damage Detection Method for Beams with a Uniform Cross-Section. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011 , 26, 190-206	8.4	64
52	Traffic load modelling based on structural health monitoring data. <i>Structure and Infrastructure Engineering</i> , 2011 , 7, 379-386	2.9	34
51	Sensing properties of CNT-filled cement-based stress sensors. <i>Journal of Civil Structural Health Monitoring</i> , 2011 , 1, 17-24	2.9	42
50	Fatigue damage characterization of carbon fiber reinforced polymer bridge cables: Wavelet transform analysis for clustering acoustic emission data. <i>Science China Technological Sciences</i> , 2011 , 54, 379-387	3.5	12
49	Seismic failure mode improvement of RC frame structure based on multiple lateral load patterns of pushover analyses. <i>Science China Technological Sciences</i> , 2011 , 54, 2825-2833	3.5	9
48	Dynamic performance of a semi-submersible platform subject to wind and waves. <i>Journal of Ocean University of China</i> , 2011 , 10, 127-134	1	9
47	Numerical study on global motion of Truss Spar in frequency and time domains for the Liwan 3-1 area. <i>Journal of Ocean University of China</i> , 2011 , 10, 113-121	1	1
46	Hydrodynamic comparison of a semi-submersible, TLP, and Spar: Numerical study in the South China Sea environment. <i>Journal of Marine Science and Application</i> , 2011 , 10, 306-314	1.2	11
45	Seismic response control of a cable-stayed bridge using negative stiffness dampers. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 265-288	4.5	37
44	A substructure isolation method for local structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 601-618	4.5	29
43	Performance of an offshore platform with MR dampers subjected to ice and earthquake. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 682-697	4.5	26
42	Hybrid active mass damper (AMD) vibration suppression of nonlinear high-rise structure using fuzzy logic control algorithm under earthquake excitations. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 698-709	4.5	35

41	A novel type of angle steel buckling-restrained brace: Cyclic behavior and failure mechanism. <i>Earthquake Engineering and Structural Dynamics</i> , 2011 , 40, 1083-1102	4	114
40	Optimization Design of a Corrosion Monitoring Sensor by FEM for RC Structures. <i>IEEE Sensors Journal</i> , 2011 , 11, 2111-2112	4	17
39	Development and sensing properties study of FRP-BBG smart stay cable for bridge health monitoring applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011 , 44, 722-729	4.6	45
38	Numerical study on damage identification using fractal theory and curvature method 2011 ,		2
37	An Optical Fiber Bragg Grating Sensing System for Scour Monitoring. <i>Advances in Structural Engineering</i> , 2011 , 14, 67-78	1.9	18
36	Deflection measurement using wireless inclination sensors for bridge 2010 ,		2
35	Self-Powered Wireless Corrosion Monitoring Sensors and Networks. <i>IEEE Sensors Journal</i> , 2010 , 10, 1901-1902	2.0	20
34	Influence of water content on conductivity and piezoresistivity of cement-based material with both carbon fiber and carbon black. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 147-151	1	27
33	Windborne debris damage prediction analysis. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2010 , 4, 326-330		3
32	Effect of water content on the piezoresistivity of MWNT/cement composites. <i>Journal of Materials Science</i> , 2010 , 45, 3714-3719	4.3	100
31	Analysis of capability for semi-active or passive damping systems to achieve the performance of active control systems. <i>Structural Control and Health Monitoring</i> , 2010 , 17, 778-794	4.5	27
30	Numerical Simulation of Surface Roughness Effect on Wind Turbine Thick Airfoils 2009 ,		1
29	Dynamic numerical simulation for ship-OWT collision 2009 ,		4
28	Experimental and analytical study on pounding reduction of base-isolated highway bridges using MR dampers. <i>Earthquake Engineering and Structural Dynamics</i> , 2009 , 38, 1307-1333	4	74
27	Design approaches for active, semi-active and passive control systems based on analysis of characteristics of active control force. <i>Earthquake Engineering and Engineering Vibration</i> , 2009 , 8, 493-506	2	6
26	Modal identification of bridges under varying environmental conditions: Temperature and wind effects. <i>Structural Control and Health Monitoring</i> , 2009 , 17, n/a-n/a	4.5	34
25	Swinging motion control of suspended structures: Principles and applications. <i>Structural Control and Health Monitoring</i> , 2009 , 17, n/a-n/a	4.5	14
24	Adaptive fuzzy sliding mode based active vibration control of a smart beam with mass uncertainty. <i>Structural Control and Health Monitoring</i> , 2009 , 18, n/a-n/a	4.5	9

23	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	8.9	55
22	INVESTIGATION OF SEISMIC DAMAGE OF CABLE-STAYED BRIDGES WITH DIFFERENT CONNECTION CONFIGURATION. <i>Journal of Earthquake and Tsunami</i> , 2009 , 03, 227-247	1.1	14
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