

You-Lin Xu

List of Publications by Year in descending order

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326
papers

10,830
citations

26630

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62596

80
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345
all docs

345
docs citations

345
times ranked

4317
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration-based monitoring of civil infrastructure: challenges and successes. Journal of Civil Structural Health Monitoring, 2011, 1, 79-95.	3.9	242
2	Temperature effect on vibration properties of civil structures: a literature review and case studies. Journal of Civil Structural Health Monitoring, 2012, 2, 29-46.	3.9	224
3	Dynamic response of damper-connected adjacent buildings under earthquake excitation. Engineering Structures, 1999, 21, 135-148.	5.3	193
4	2.5D large eddy simulation of vertical axis wind turbine in consideration of high angle of attack flow. Renewable Energy, 2013, 51, 317-330.	8.9	177
5	Dynamics of wind-rail vehicle-bridge systems. Journal of Wind Engineering and Industrial Aerodynamics, 2005, 93, 483-507.	3.9	171
6	Field monitoring and numerical analysis of Tsing Ma Suspension Bridge temperature behavior. Structural Control and Health Monitoring, 2013, 20, 560-575.	4.0	168
7	Control of Along-Wind Response of Structures by Mass and Liquid Dampers. Journal of Engineering Mechanics - ASCE, 1992, 118, 20-39.	2.9	162
8	Linear electromagnetic devices for vibration damping and energy harvesting: Modeling and testing. Engineering Structures, 2012, 34, 198-212.	5.3	162
9	Characterizing Nonstationary Wind Speed Using Empirical Mode Decomposition. Journal of Structural Engineering, 2004, 130, 912-920.	3.4	139
10	Dynamic analysis of coupled road vehicle and cable-stayed bridge systems under turbulent wind. Engineering Structures, 2003, 25, 473-486.	5.3	129
11	Dynamic characteristics and seismic response of adjacent buildings linked by discrete dampers. Earthquake Engineering and Structural Dynamics, 1999, 28, 1163-1185.	4.4	126
12	DYNAMIC INTERACTION OF LONG SUSPENSION BRIDGES WITH RUNNING TRAINS. Journal of Sound and Vibration, 2000, 237, 263-280.	3.9	119
13	Seismic response control of frame structures using magnetorheological/electrorheological dampers. Earthquake Engineering and Structural Dynamics, 2000, 29, 557-575.	4.4	115
14	Sidereal filtering based on single differences for mitigating GPS multipath effects on short baselines. Journal of Geodesy, 2010, 84, 145-158.	3.6	105
15	Modal parameter identification of Tsing Ma suspension bridge under Typhoon Victor: EMD-HT method. Journal of Wind Engineering and Industrial Aerodynamics, 2004, 92, 805-827.	3.9	98
16	An integrated GPS-accelerometer data processing technique for structural deformation monitoring. Journal of Geodesy, 2006, 80, 705-719.	3.6	98
17	Vibration of coupled train and cable-stayed bridge systems in cross winds. Engineering Structures, 2004, 26, 1389-1406.	5.3	96
18	Vibration Studies of Tsing Ma Suspension Bridge. Journal of Bridge Engineering, 1997, 2, 149-156.	2.9	93

#	ARTICLE	IF	CITATIONS
19	Long-term condition assessment of suspenders under traffic loads based on structural monitoring system: Application to the Tsing Ma Bridge. <i>Structural Control and Health Monitoring</i> , 2012, 19, 82-101.	4.0	93
20	Damage identification in civil engineering structures utilizing PCA-compressed residual frequency response functions and neural network ensembles. <i>Structural Control and Health Monitoring</i> , 2011, 18, 207-226.	4.0	91
21	Field measurements of Di Wang Tower during Typhoon York. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2001, 89, 73-93.	3.9	90
22	Structural Damage Detection Using Empirical Mode Decomposition: Experimental Investigation. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 1279-1288.	2.9	89
23	Variation of structural vibration characteristics versus non-uniform temperature distribution. <i>Engineering Structures</i> , 2011, 33, 146-153.	5.3	88
24	FULLY COMPUTERIZED APPROACH TO STUDY CABLE-STAYED BRIDGEâ€™VEHICLE INTERACTION. <i>Journal of Sound and Vibration</i> , 2001, 248, 745-761.	3.9	86
25	VIBRATION ANALYSIS OF TWO BUILDINGS LINKED BY MAXWELL MODEL-DEFINED FLUID DAMPERS. <i>Journal of Sound and Vibration</i> , 2000, 233, 775-796.	3.9	83
26	Buffeting response of long-span cable-supported bridges under skew winds. Part 2: case study. <i>Journal of Sound and Vibration</i> , 2005, 281, 675-697.	3.9	81
27	Substructure based approach to finite element model updating. <i>Computers and Structures</i> , 2011, 89, 772-782.	4.4	81
28	Assessment of Dynamic Measurement Accuracy of GPS in Three Directions. <i>Journal of Surveying Engineering, - ASCE</i> , 2006, 132, 108-117.	1.7	79
29	Optimal multi-type sensor placement for response and excitation reconstruction. <i>Journal of Sound and Vibration</i> , 2016, 360, 112-128.	3.9	79
30	Optimization of blade pitch in H-rotor vertical axis wind turbines through computational fluid dynamics simulations. <i>Applied Energy</i> , 2018, 212, 1107-1125.	10.1	78
31	A Comparative Study of Stationary and Non-stationary Wind Models Using Field Measurements. <i>Boundary-Layer Meteorology</i> , 2007, 122, 105-121.	2.3	76
32	Typhoon-induced non-stationary buffeting response of long-span bridges in complex terrain. <i>Engineering Structures</i> , 2013, 57, 406-415.	5.3	75
33	Comparative studies on damage identification with Tikhonov regularization and sparse regularization. <i>Structural Control and Health Monitoring</i> , 2016, 23, 560-579.	4.0	75
34	An experimental study on self-powered vibration control and monitoring system using electromagnetic TMD and wireless sensors. <i>Sensors and Actuators A: Physical</i> , 2012, 180, 166-176.	4.1	72
35	Dynamic interaction of bridgeâ€™train system under nonâ€™uniform seismic ground motion. <i>Earthquake Engineering and Structural Dynamics</i> , 2012, 41, 139-157.	4.4	72
36	Wind tunnel investigations of aerodynamic coefficients of road vehicles on bridge deck. <i>Journal of Fluids and Structures</i> , 2012, 30, 35-50.	3.4	71

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37	Concrete bridge-borne low-frequency noise simulation based on train-track-bridge dynamic interaction. <i>Journal of Sound and Vibration</i> , 2012, 331, 2457-2470.	3.9	70
38	Optimum parameters of Maxwell model-defined dampers used to link adjacent structures. <i>Journal of Sound and Vibration</i> , 2005, 279, 253-274.	3.9	69
39	Integrated vibration control and health monitoring of building structures using semi-active friction dampers: Part I—methodology. <i>Engineering Structures</i> , 2008, 30, 1789-1801.	5.3	69
40	Buffeting-induced fatigue damage assessment of a long suspension bridge. <i>International Journal of Fatigue</i> , 2009, 31, 575-586.	5.7	69
41	Damage Detection in Long Suspension Bridges Using Stress Influence Lines. <i>Journal of Bridge Engineering</i> , 2015, 20, .	2.9	68
42	Spectrum Models for Nonstationary Extreme Winds. <i>Journal of Structural Engineering</i> , 2015, 141, .	3.4	68
43	Long-term structural performance monitoring system for the Shanghai Tower. <i>Journal of Civil Structural Health Monitoring</i> , 2013, 3, 49-61.	3.9	67
44	Experimental Seismic Study of Adjacent Buildings with Fluid Dampers. <i>Journal of Structural Engineering</i> , 2003, 129, 197-205.	3.4	66
45	Fatigue analysis of long-span suspension bridges under multiple loading: Case study. <i>Engineering Structures</i> , 2011, 33, 3246-3256.	5.3	65
46	Analytical study of wind-rain-induced cable vibration: SDOF model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2003, 91, 27-40.	3.9	64
47	Dynamic Response of Suspension Bridge to High Wind and Running Train. <i>Journal of Bridge Engineering</i> , 2003, 8, 46-55.	2.9	64
48	Tuned liquid column damper for suppressing pitching motion of structures. <i>Engineering Structures</i> , 2000, 22, 1538-1551.	5.3	62
49	Interaction of railway vehicles with track in cross-winds. <i>Journal of Fluids and Structures</i> , 2006, 22, 295-314.	3.4	62
50	Derivation of time-varying mean for non-stationary downburst winds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 141, 39-48.	3.9	62
51	Digital twin-based collapse fragility assessment of a long-span cable-stayed bridge under strong earthquakes. <i>Automation in Construction</i> , 2021, 123, 103547.	9.8	62
52	Field measurement results of Tsing Ma suspension Bridge during Typhoon Victor. <i>Structural Engineering and Mechanics</i> , 2000, 10, 545-559.	1.0	62
53	Safety Analysis of Moving Road Vehicles on a Long Bridge under Crosswind. <i>Journal of Engineering Mechanics - ASCE</i> , 2006, 132, 438-446.	2.9	58
54	Computer-aided Nonlinear Vehicle-bridge Interaction Analysis. <i>JVC/Journal of Vibration and Control</i> , 2010, 16, 1791-1816.	2.6	58

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55	Structural damage detection-oriented multi-type sensor placement with multi-objective optimization. Journal of Sound and Vibration, 2018, 422, 568-589.	3.9	58
56	Structural damage detection of controlled building structures using frequency response functions. Journal of Sound and Vibration, 2012, 331, 3476-3492.	3.9	57
57	Stress and acceleration analysis of coupled vehicle and long-span bridge systems using the mode superposition method. Engineering Structures, 2010, 32, 1356-1368.	5.3	56
58	Multiscale Modeling and Model Updating of a Cable-Stayed Bridge. II: Model Updating Using Modal Frequencies and Influence Lines. Journal of Bridge Engineering, 2015, 20, .	2.9	56
59	Fatigue life estimation of steel girder of Yangpu cable-stayed Bridge due to buffeting. Journal of Wind Engineering and Industrial Aerodynamics, 1999, 80, 383-400.	3.9	55
60	Control of Wind-Excited Truss Tower Using Semiactive Friction Damper. Journal of Structural Engineering, 2001, 127, 861-868.	3.4	55
61	Modal identification of Di Wang Building under Typhoon York using the Hilbert-Huang transform method. Structural Design of Tall and Special Buildings, 2003, 12, 21-47.	1.9	55
62	Monitoring temperature effect on a long suspension bridge. Structural Control and Health Monitoring, 2009, 17, n/a-n/a.	4.0	55
63	MITIGATION OF THREE-DIMENSIONAL VIBRATION OF INCLINED SAG CABLE USING DISCRETE OIL DAMPERS II. APPLICATION. Journal of Sound and Vibration, 1998, 214, 675-693.	3.9	54
64	Integrated vibration control and health monitoring of building structures using semi-active friction dampers: Part II Numerical investigation. Engineering Structures, 2008, 30, 573-587.	5.3	53
65	Multi-type sensor placement and response reconstruction for structural health monitoring of long-span suspension bridges. Science Bulletin, 2016, 61, 313-329.	9.0	53
66	Control of wind-induced tall building vibration by tuned mass dampers. Journal of Wind Engineering and Industrial Aerodynamics, 1992, 40, 1-32.	3.9	52
67	The effect of tuned mass dampers and liquid dampers on cross-wind response of tall/slender structures. Journal of Wind Engineering and Industrial Aerodynamics, 1992, 40, 33-54.	3.9	52
68	Fully coupled buffeting analysis of Tsing Ma suspension bridge. Journal of Wind Engineering and Industrial Aerodynamics, 2000, 85, 97-117.	3.9	52
69	Buffeting response of long-span cable-supported bridges under skew winds. Part 1: theory. Journal of Sound and Vibration, 2005, 281, 647-673.	3.9	52
70	An iterative substructuring approach to the calculation of eigensolution and eigensensitivity. Journal of Sound and Vibration, 2011, 330, 3368-3380.	3.9	52
71	INTEGRATED OPTIMAL PLACEMENT OF DISPLACEMENT TRANSDUCERS AND STRAIN GAUGES FOR BETTER ESTIMATION OF STRUCTURAL RESPONSE. International Journal of Structural Stability and Dynamics, 2011, 11, 581-602.	2.4	51
72	Multiscale Modeling and Model Updating of a Cable-Stayed Bridge. I: Modeling and Influence Line Analysis. Journal of Bridge Engineering, 2015, 20, .	2.9	51

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73	Energy regenerative tuned mass dampers in high-rise buildings. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2072.	4.0	51
74	Semi-active control of a building complex with variable friction dampers. <i>Engineering Structures</i> , 2007, 29, 1209-1225.	5.3	49
75	Inverse substructure method for model updating of structures. <i>Journal of Sound and Vibration</i> , 2012, 331, 5449-5468.	3.9	48
76	Hybrid identification method for multi-story buildings with unknown ground motion: theory. <i>Journal of Sound and Vibration</i> , 2006, 291, 215-239.	3.9	47
77	Experimental investigation of adjacent buildings connected by fluid damper. <i>Earthquake Engineering and Structural Dynamics</i> , 1999, 28, 609-631.	4.4	46
78	Improved substructuring method for eigensolutions of large-scale structures. <i>Journal of Sound and Vibration</i> , 2009, 323, 718-736.	3.9	46
79	Dynamic Stress Analysis of Long Suspension Bridges under Wind, Railway, and Highway Loadings. <i>Journal of Bridge Engineering</i> , 2011, 16, 383-391.	2.9	46
80	Dynamic Response of Suspension Bridge to Typhoon and Trains. II: Numerical Results. <i>Journal of Structural Engineering</i> , 2007, 133, 12-21.	3.4	45
81	Mode shape corrections for wind tunnel tests of tall buildings. <i>Engineering Structures</i> , 1993, 15, 387-392.	5.3	44
82	MITIGATION OF THREE-DIMENSIONAL VIBRATION OF INCLINED SAG CABLE USING DISCRETE OIL DAMPERS " I. FORMULATION. <i>Journal of Sound and Vibration</i> , 1998, 214, 659-673.	3.9	44
83	Vibration of Inclined Sag Cables with Oil Dampers in Cable-Stayed Bridges. <i>Journal of Bridge Engineering</i> , 1998, 3, 194-203.	2.9	44
84	Dynamic analysis of wind-excited truss tower with friction dampers. <i>Computers and Structures</i> , 2001, 79, 2817-2831.	4.4	44
85	Seismic Protection of a Building Complex Using Variable Friction Damper: Experimental Investigation. <i>Journal of Engineering Mechanics - ASCE</i> , 2008, 134, 637-649.	2.9	44
86	Tsing Ma bridge deck under skew winds"Part II: flutter derivatives. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002, 90, 807-837.	3.9	41
87	Wind loads on a moving vehicle-bridge deck system by wind-tunnel model test. <i>Wind and Structures, an International Journal</i> , 2014, 19, 145-167.	0.8	41
88	On modelling of typhoon-induced non-stationary wind speed for tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2004, 13, 145-163.	1.9	39
89	Dynamic Response of Suspension Bridge to Typhoon and Trains. I: Field Measurement Results. <i>Journal of Structural Engineering</i> , 2007, 133, 3-11.	3.4	39
90	Wind-induced vibration control of long span cable-stayed bridges using multiple pressurized tuned liquid column dampers. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 166-192.	3.9	39

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91	Experimental Investigation on Statistical Moment-based Structural Damage Detection Method. <i>Structural Health Monitoring</i> , 2009, 8, 555-571.	7.5	39
92	A new statistical moment-based structural damage detection method. <i>Structural Engineering and Mechanics</i> , 2008, 30, 445-466.	1.0	39
93	Electromagnetic energy harvesting from structural vibrations during earthquakes. <i>Smart Structures and Systems</i> , 2016, 18, 449-470.	1.9	39
94	Effects of bridge motion and crosswind on ride comfort of road vehicles. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2004, 92, 641-662.	3.9	38
95	Damping cable vibration for a cable-stayed bridge using adjustable fluid dampers. <i>Journal of Sound and Vibration</i> , 2007, 306, 349-360.	3.9	38
96	SHMS-Based Fatigue Reliability Analysis of Multiloading Suspension Bridges. <i>Journal of Structural Engineering</i> , 2012, 138, 299-307.	3.4	38
97	Integrated vibration control and health monitoring of building structures: a time-domain approach. <i>Smart Structures and Systems</i> , 2010, 6, 811-833.	1.9	38
98	Tsing Ma bridge deck under skew winds—Part I: Aerodynamic coefficients. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002, 90, 781-805.	3.9	37
99	Pseudo-excitation method for vibration analysis of wind-excited structures. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1999, 83, 443-454.	3.9	36
100	STRUCTURAL HEALTH MONITORING ORIENTED FINITE ELEMENT MODEL OF TSING MA BRIDGE TOWER. <i>International Journal of Structural Stability and Dynamics</i> , 2007, 07, 647-668.	2.4	36
101	Experimental study of wind-induced rain-induced cable vibration using a new model setup scheme. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 2438-2451.	3.9	36
102	Multi-Type Sensor Placement for Multi-Scale Response Reconstruction. <i>Advances in Structural Engineering</i> , 2013, 16, 1779-1797.	2.4	35
103	Optimal blade pitch function and control device for high-solidity straight-bladed vertical axis wind turbines. <i>Applied Energy</i> , 2019, 242, 1613-1625.	10.1	35
104	Buffeting analysis of long span bridges: a new algorithm. <i>Computers and Structures</i> , 1998, 68, 303-313.	4.4	34
105	Variations of wind pressure on hip roofs with roof pitch. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1998, 73, 267-284.	3.9	34
106	Conditional Simulation of Nonstationary Fluctuating Wind Speeds for Long-Span Bridges. <i>Journal of Engineering Mechanics - ASCE</i> , 2014, 140, 61-73.	2.9	34
107	Buffeting-induced stresses in a long suspension bridge: structural health monitoring oriented stress analysis. <i>Wind and Structures, an International Journal</i> , 2009, 12, 479-504.	0.8	34
108	Closed-form solution for seismic response of adjacent buildings with linear quadratic Gaussian controllers. <i>Earthquake Engineering and Structural Dynamics</i> , 2002, 31, 235-259.	4.4	33

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109	Seismic reliability analysis of hysteretic structure with viscoelastic dampers. <i>Engineering Structures</i> , 2002, 24, 373-383.	5.3	33
110	Damage detection of mono-coupled periodic structures based on sensitivity analysis of modal parameters. <i>Journal of Sound and Vibration</i> , 2005, 285, 365-390.	3.9	33
111	Dynamic response of the Trinity River Relief Bridge to controlled pile damage: modeling and experimental data analysis comparing Fourier and Hilbert's Huang techniques. <i>Journal of Sound and Vibration</i> , 2005, 285, 1049-1070.	3.9	33
112	Vortex-induced vibration analysis of long-span bridges with twin-box decks under non-uniformly distributed turbulent winds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 172, 31-41.	3.9	33
113	Fatigue Performance of Screw-Fastened Light-Gauge-Steel Roofing Sheets. <i>Journal of Structural Engineering</i> , 1995, 121, 389-398.	3.4	32
114	Wind-rain-induced vibration and control of stay cables in a cable-stayed bridge. <i>Structural Control and Health Monitoring</i> , 2007, 14, 1013-1033.	4.0	32
115	ADVANCED FINITE ELEMENT MODEL OF TSING MA BRIDGE FOR STRUCTURAL HEALTH MONITORING. <i>International Journal of Structural Stability and Dynamics</i> , 2011, 11, 313-344.	2.4	32
116	Dynamic Analysis of Wind-Vehicle-Bridge Coupling System during the Meeting of Two Trains. <i>Advances in Structural Engineering</i> , 2013, 16, 1663-1670.	2.4	32
117	Tropical Storm-Induced Buffeting Response of Long-Span Bridges: Enhanced Nonstationary Buffeting Force Model. <i>Journal of Structural Engineering</i> , 2017, 143, 04017027.	3.4	32
118	Identification of modal damping ratios of structures with closely spaced modal frequencies. <i>Structural Engineering and Mechanics</i> , 2002, 14, 417-434.	1.0	32
119	Updating Multiscale Model of a Long-Span Cable-Stayed Bridge. <i>Journal of Bridge Engineering</i> , 2018, 23, .	2.9	31
120	Modelling and validation of coupled high-speed maglev train-and-viaduct systems considering support flexibility. <i>Vehicle System Dynamics</i> , 2019, 57, 161-191.	3.7	31
121	Hybrid platform for high-tech equipment protection against earthquake and microvibration. <i>Earthquake Engineering and Structural Dynamics</i> , 2006, 35, 943-967.	4.4	30
122	Multi-level damage identification of a bridge structure: a combined numerical and experimental investigation. <i>Engineering Structures</i> , 2018, 156, 53-67.	5.3	30
123	Buffeting Analysis of Long-Span Bridges under Typhoon Winds with Time-Varying Spectra and Coherences. <i>Journal of Structural Engineering</i> , 2020, 146, .	3.4	30
124	Test of screw fastened profiled roofing sheets subject to simulated wind uplift. <i>Engineering Structures</i> , 1993, 15, 423-430.	5.3	29
125	Modal analysis and seismic response of steel frames with connection dampers. <i>Engineering Structures</i> , 2001, 23, 385-396.	5.3	29
126	Mixed-dimensional finite element coupling for structural multi-scale simulation. <i>Finite Elements in Analysis and Design</i> , 2014, 92, 12-25.	3.2	29

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127	Safety analysis of a road vehicle passing by a bridge tower under crosswinds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 137, 25-36.	3.9	29
128	Vehicle-induced fatigue damage prognosis of orthotropic steel decks of cable-stayed bridges. <i>Engineering Structures</i> , 2020, 212, 110509.	5.3	29
129	Calculation of eigenvalue and eigenvector derivatives with the improved Kron's substructuring method. <i>Structural Engineering and Mechanics</i> , 2010, 36, 37-55.	1.0	29
130	Seismic response control of a building complex utilizing passive friction damper: experimental investigation. <i>Earthquake Engineering and Structural Dynamics</i> , 2006, 35, 657-677.	4.4	28
131	Stochastic modelling of traffic-induced building vibration. <i>Journal of Sound and Vibration</i> , 2008, 313, 149-170.	3.9	28
132	An efficient algorithm for simultaneous identification of time-varying structural parameters and unknown excitations of a building structure. <i>Engineering Structures</i> , 2015, 98, 29-37.	5.3	28
133	Structural control and health monitoring of building structures with unknown ground excitations: Experimental investigation. <i>Journal of Sound and Vibration</i> , 2017, 390, 23-38.	3.9	28
134	Traffic Load Simulation for Long-Span Suspension Bridges. <i>Journal of Bridge Engineering</i> , 2019, 24, .	2.9	28
135	High-speed running maglev trains interacting with elastic transitional viaducts. <i>Engineering Structures</i> , 2019, 183, 562-578.	5.3	28
136	Evaluation of atmospheric corrosion damage to steel space structures in coastal areas. <i>International Journal of Solids and Structures</i> , 2005, 42, 4673-4694.	2.7	27
137	Fluid dynamics around an inclined cylinder with running water rivulets. <i>Journal of Fluids and Structures</i> , 2005, 21, 49-64.	3.4	27
138	Semiactive Seismic Response Control of Buildings with Podium Structure. <i>Journal of Structural Engineering</i> , 2005, 131, 890-899.	3.4	27
139	Fatigue assessment of multi-loading suspension bridges using continuum damage model. <i>International Journal of Fatigue</i> , 2012, 40, 27-35.	5.7	27
140	Dual-type sensor placement for multi-scale response reconstruction. <i>Mechatronics</i> , 2014, 24, 376-384.	3.3	27
141	Aeroelastic torsional behaviour of tall buildings in wakes. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1994, 51, 229-248.	3.9	26
142	Parametric study of active mass dampers for wind-excited tall buildings. <i>Engineering Structures</i> , 1996, 18, 64-76.	5.3	26
143	Modal analysis of tower-cable system of Tsing Ma long suspension bridge. <i>Engineering Structures</i> , 1997, 19, 857-867.	5.3	26
144	Structural damage identification via multi-type sensors and response reconstruction. <i>Structural Health Monitoring</i> , 2016, 15, 715-729.	7.5	26

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145	A semi-empirical model for vortex-induced vertical forces on a twin-box deck under turbulent wind flow. <i>Journal of Fluids and Structures</i> , 2017, 71, 183-198.	3.4	26
146	Experimental investigation on multi-objective multi-type sensor optimal placement for structural damage detection. <i>Structural Health Monitoring</i> , 2019, 18, 882-901.	7.5	26
147	Semianalytical Method for Parametric Study of Tuned Mass Dampers. <i>Journal of Structural Engineering</i> , 1994, 120, 747-764.	3.4	25
148	Multiple tuned liquid column dampers for reducing coupled lateral and torsional vibration of structures. <i>Engineering Structures</i> , 2004, 26, 745-758.	5.3	25
149	OPTIMUM PARAMETERS OF TUNED LIQUID COLUMN DAMPER FOR SUPPRESSING PITCHING VIBRATION OF AN UNDAMPED STRUCTURE. <i>Journal of Sound and Vibration</i> , 2000, 235, 639-653.	3.9	24
150	Microvibration control platform for high technology facilities subject to traffic-induced ground motion. <i>Engineering Structures</i> , 2003, 25, 1069-1082.	5.3	24
151	Running safety analysis of a train on the Tsing Ma Bridge under turbulent winds. <i>Earthquake Engineering and Engineering Vibration</i> , 2010, 9, 307-318.	2.3	24
152	Time-varying power spectra and coherences of non-stationary typhoon winds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 198, 104115.	3.9	24
153	A new damage index for detecting sudden change of structural stiffness. <i>Structural Engineering and Mechanics</i> , 2007, 26, 315-341.	1.0	24
154	Experimental Study of Vibration Mitigation of Bridge Stay Cables. <i>Journal of Structural Engineering</i> , 1999, 125, 977-986.	3.4	23
155	Semi-active control of seismic response of tall buildings with podium structure using ER/MR dampers. <i>Structural Design of Tall Buildings</i> , 2001, 10, 179-192.	0.3	23
156	Multiple-tuned liquid column dampers for torsional vibration control of structures: experimental investigation. <i>Earthquake Engineering and Structural Dynamics</i> , 2002, 31, 977-991.	4.4	23
157	Structural damage identification via response reconstruction under unknown excitation. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1953.	4.0	23
158	Making good use of structural health monitoring systems of long-span cable-supported bridges. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 477-497.	3.9	23
159	Determination of Wind-Induced Fatigue Loading on Roof Cladding. <i>Journal of Engineering Mechanics - ASCE</i> , 1995, 121, 956-963.	2.9	22
160	Modal analysis of suspension bridge deck units in erection stage. <i>Engineering Structures</i> , 1998, 20, 1102-1112.	5.3	22
161	Optimum design of active/passive control devices for tall buildings under earthquake excitation. <i>Structural Design of Tall Buildings</i> , 2002, 11, 109-127.	0.3	22
162	Aerodynamic Coefficients of Inclined Circular Cylinders with Artificial Rivulet in Smooth Flow. <i>Advances in Structural Engineering</i> , 2006, 9, 265-278.	2.4	22

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163	DATA FUSION-BASED STRUCTURAL DAMAGE DETECTION UNDER VARYING TEMPERATURE CONDITIONS. International Journal of Structural Stability and Dynamics, 2012, 12, 1250052.	2.4	22
164	Testbed for Structural Health Monitoring of Long-Span Suspension Bridges. Journal of Bridge Engineering, 2012, 17, 896-906.	2.9	22
165	Dynamic Analysis of a Coupled System of High-Speed Maglev Train and Curved Viaduct. International Journal of Structural Stability and Dynamics, 2018, 18, 1850143.	2.4	22
166	NON-LINEAR VIBRATION OF CABLE“DAMPER SYSTEMS PART II: APPLICATION AND VERIFICATION. Journal of Sound and Vibration, 1999, 225, 465-481.	3.9	21
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