You-Lin Xu

List of Publications by Year
in descending order

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326 papers	10,830 citations	26630 56 h-index	62596 80 g-index
345 all docs	345 docs citations	345 times ranked	4317 citing authors

#	Article	IF	Citations
1	C-AHP rating system for routine general inspection of long-span suspension bridges. Structure and Infrastructure Engineering, 2023, 19, 663-677.	3.7	6
2	A webâ€based and designâ€oriented structural health evaluation system for longâ€span bridges with structural health monitoring system. Structural Control and Health Monitoring, 2022, 29, e2879.	4.0	8
3	Multi-taper S-transform method for evolutionary spectrum estimation. Mechanical Systems and Signal Processing, 2022, 168, 108667.	8.0	14
4	Optimized C-vine copula and environmental contour of joint wind-wave environment for sea-crossing bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 225, 104989.	3.9	13
5	Conditional simulation of 3D nonstationary wind field for sea-crossing bridges. Advances in Structural Engineering, 2022, 25, 2508-2526.	2.4	3
6	Time history analysis-based nonlinear finite element model updating for a long-span cable-stayed bridge. Structural Health Monitoring, 2021, 20, 2566-2584.	7.5	13
7	Component-Level Seismic Performance Assessment of Instrumented Super High-Rise Buildings under Bidirectional Long-Period Ground Motions. Journal of Structural Engineering, 2021, 147, .	3.4	9
8	Collapse prognosis of a longâ€span cableâ€stayed bridge based on shake table test and nonlinear model updating. Earthquake Engineering and Structural Dynamics, 2021, 50, 455-474.	4.4	14
9	A Multi-Taper S-Transform Method for Spectral Estimation of Stationary Processes. IEEE Transactions on Signal Processing, 2021, 69, 1452-1467.	5.3	16
10	Digital twin-based collapse fragility assessment of a long-span cable-stayed bridge under strong earthquakes. Automation in Construction, 2021, 123, 103547.	9.8	62
11	System design and demonstration of performance monitoring of a butterflyâ€shaped arch footbridge. Structural Control and Health Monitoring, 2021, 28, e2738.	4.0	7
12	Conditionally simulating nonstationary typhoon winds with time-varying coherences for long-span bridges. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 212, 104599.	3.9	13
13	Multiscale fatigue damage evolution in orthotropic steel deck of cable-stayed bridges. Engineering Structures, 2021, 237, 112144.	5.3	19
14	Vehicle-induced dynamic stress analysis of orthotropic steel decks of cable-stayed bridges. Structure and Infrastructure Engineering, 2020, 16, 1067-1081.	3.7	13
15	Nonlinear model updating of a reinforced concrete pedestrian cableâ€stayed bridge. Structural Control and Health Monitoring, 2020, 27, e2487.	4.0	15
16	Optimization of horizontally curved track in the alignment design of a high-speed maglev line. Structure and Infrastructure Engineering, 2020, 16, 1019-1036.	3.7	5
17	Buffeting Analysis of Long-Span Bridges under Typhoon Winds with Time-Varying Spectra and Coherences. Journal of Structural Engineering, 2020, 146, .	3.4	30
18	Cluster computingâ€aided model updating for a highâ€fidelity finite element model of a longâ€span cableâ€stayed bridge. Earthquake Engineering and Structural Dynamics, 2020, 49, 904-923.	4.4	20

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19	Optimal multiâ€type sensor placement for monitoring highâ€rise buildings under bidirectional longâ€period ground motions. Structural Control and Health Monitoring, 2020, 27, e2541.	4.0	8
20	Time-varying power spectra and coherences of non-stationary typhoon winds. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 198, 104115.	3.9	24
21	Vehicle-induced fatigue damage prognosis of orthotropic steel decks of cable-stayed bridges. Engineering Structures, 2020, 212, 110509.	5.3	29
22	Autoâ€adaptive multiblock cycle jump algorithm for fatigue damage simulation of longâ€span steel bridges. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 919-928.	3.4	11
23	Experimental investigation on multi-objective multi-type sensor optimal placement for structural damage detection. Structural Health Monitoring, 2019, 18, 882-901.	7.5	26
24	High-solidity straight-bladed vertical axis wind turbine: Numerical simulation and validation. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 193, 103960.	3.9	8
25	Structural Analysis of Large-Scale Vertical-Axis Wind Turbines, Part I: Wind Load Simulation. Energies, 2019, 12, 2573.	3.1	6
26	Structural Analysis of Large-Scale Vertical Axis Wind Turbines Part II: Fatigue and Ultimate Strength Analyses. Energies, 2019, 12, 2584.	3.1	7
27	Seismic Responses and Collapse of a RC Pedestrian Cable-Stayed Bridge: Shake Table Tests. International Journal of Structural Stability and Dynamics, 2019, 19, 1950067.	2.4	13
28	Multi-scale fatigue damage prognosis for long-span steel bridges under vehicle loading. Structure and Infrastructure Engineering, 2019, 15, 524-538.	3.7	19
29	Multistage damage detection of a transmission tower: Numerical investigation and experimental validation. Structural Control and Health Monitoring, 2019, 26, e2366.	4.0	13
30	A hybrid DMST model for pitch optimization and performance assessment of high-solidity straight-bladed vertical axis wind turbines. Applied Energy, 2019, 250, 215-228.	10.1	11
31	SHM-Based Seismic Performance Assessment of High-Rise Buildings under Long-Period Ground Motion. Journal of Structural Engineering, 2019, 145, 04019038.	3.4	16
32	Traffic Load Simulation for Long-Span Suspension Bridges. Journal of Bridge Engineering, 2019, 24, .	2.9	28
33	Buffeting-induced stress analysis of long-span twin-box-beck bridges based on POD pressure modes. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 188, 397-409.	3.9	11
34	Optimal blade pitch function and control device for high-solidity straight-bladed vertical axis wind turbines. Applied Energy, 2019, 242, 1613-1625.	10.1	35
35	Dynamic stress analysis for fatigue damage prognosis of long-span bridges. Structure and Infrastructure Engineering, 2019, 15, 582-599.	3.7	7
36	High-speed running maglev trains interacting with elastic transitional viaducts. Engineering Structures, 2019, 183, 562-578.	5.3	28

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37	High-solidity straight-bladed vertical axis wind turbine: Aerodynamic force measurements. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 184, 34-48.	3.9	18
38	Modelling and validation of coupled high-speed maglev train-and-viaduct systems considering support flexibility. Vehicle System Dynamics, 2019, 57, 161-191.	3.7	31
39	Concurrent multi-scale fatigue damage evolution simulation method for long-span steel bridges. International Journal of Damage Mechanics, 2019, 28, 165-182.	4.2	18
40	Multi-type sensor placement and response reconstruction for building structures: Experimental investigations. Earthquake Engineering and Engineering Vibration, 2018, 17, 29-46.	2.3	14
41	Multi-level damage identification of a bridge structure: a combined numerical and experimental investigation. Engineering Structures, 2018, 156, 53-67.	5.3	30
42	Updating Multiscale Model of a Long-Span Cable-Stayed Bridge. Journal of Bridge Engineering, 2018, 23, .	2.9	31
43	Refined dynamic progressive collapse analysis of RC structures. Bulletin of Earthquake Engineering, 2018, 16, 1293-1322.	4.1	12
44	Optimization of blade pitch in H-rotor vertical axis wind turbines through computational fluid dynamics simulations. Applied Energy, 2018, 212, 1107-1125.	10.1	78
45	Making good use of structural health monitoring systems of long-span cable-supported bridges. Journal of Civil Structural Health Monitoring, 2018, 8, 477-497.	3.9	23
46	Structural damage detection-oriented multi-type sensor placement with multi-objective optimization. Journal of Sound and Vibration, 2018, 422, 568-589.	3.9	58
47	Long-Period Ground Motion Simulation and its Impact on Seismic Response of High-Rise Buildings. Journal of Earthquake Engineering, 2018, 22, 1285-1315.	2.5	14
48	Seismic Retrofitting of Non-Seismically Designed RC Beam-Column Joints using Buckling-Restrained Haunches: Design and Analysis. Journal of Earthquake Engineering, 2018, 22, 1188-1208.	2.5	21
49	Multi-Scale Failure Analysis of Transmission Towers Under Downburst Loading. International Journal of Structural Stability and Dynamics, 2018, 18, 1850029.	2.4	17
50	Vortex-induced vibration analysis of long-span bridges with twin-box decks under non-uniformly distributed turbulent winds. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 31-41.	3.9	33
51	Modelling of distributed aerodynamic pressures on bridge decks based on proper orthogonal decomposition. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 181-195.	3.9	4
52	Response covariance-based sensor placement for structural damage detection. Structure and Infrastructure Engineering, 2018, 14, 1207-1220.	3.7	9
53	Energy regenerative tuned mass dampers in high-rise buildings. Structural Control and Health Monitoring, 2018, 25, e2072.	4.0	51
54	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

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55	POD-based spanwise correlation analysis of aerodynamic and aeroelastic pressures on twin-box bridge decks. Journal of Fluids and Structures, 2018, 82, 520-537.	3.4	5
56	POD-based modelling of distributed aerodynamic and aeroelastic pressures on bridge decks. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 524-540.	3.9	9
57	Two-Stage Covariance-Based Multisensing Damage Detection Method. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	10
58	Simulation of support settlement and cable slippage by using a long-span suspension bridge testbed. Structure and Infrastructure Engineering, 2017, 13, 401-415.	3.7	4
59	Tropical Stormâ€"Induced Buffeting Response of Long-Span Bridges: Enhanced Nonstationary Buffeting Force Model. Journal of Structural Engineering, 2017, 143, 04017027.	3.4	32
60	Investigation on characteristics and span-wise correlation of vortex-induced forces on a twin-box deck using newly-developed wind-tunnel test technique. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 69-81.	3.9	20
61	A semi-empirical model for vortex-induced vertical forces on a twin-box deck under turbulent wind flow. Journal of Fluids and Structures, 2017, 71, 183-198.	3.4	26
62	Multi-level damage identification with response reconstruction. Mechanical Systems and Signal Processing, 2017, 95, 42-57.	8.0	14
63	Structural control and health monitoring of building structures with unknown ground excitations: Experimental investigation. Journal of Sound and Vibration, 2017, 390, 23-38.	3.9	28
64	Structural damage identification via response reconstruction under unknown excitation. Structural Control and Health Monitoring, 2017, 24, e1953.	4.0	23
65	Multi-scale model updating of a transmission tower structure using Kriging meta-method. Structural Control and Health Monitoring, 2017, 24, e1952.	4.0	15
66	Research of earthquake engineering in Hong Kong: current status and future challenge. , 2017, , 77-99.		0
67	Moving-window extended Kalman filter for structural damage detection with unknown process and measurement noises. Measurement: Journal of the International Measurement Confederation, 2016, 88, 428-440.	5.0	20
68	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
69	Stress-level buffeting analysis of a long-span cable-stayed bridge with a twin-box deck under distributed wind loads. Engineering Structures, 2016, 127, 416-433.	5.3	21
70	Structural damage identification via multi-type sensors and response reconstruction. Structural Health Monitoring, 2016, 15, 715-729.	7.5	26
71	Comparative studies on damage identification with Tikhonov regularization and sparse regularization. Structural Control and Health Monitoring, 2016, 23, 560-579.	4.0	75
72	Multi-scale fatigue model and image-based simulation of collective short cracks evolution process. Computational Materials Science, 2016, 117, 24-32.	3.0	18

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73	Field measurements and analyses of environmental vibrations induced by high-speed Maglev. Science of the Total Environment, 2016, 568, 1295-1307.	8.0	20
74	Optimal multi-type sensor placement for response and excitation reconstruction. Journal of Sound and Vibration, 2016, 360, 112-128.	3.9	79
75	Electromagnetic energy harvesting from structural vibrations during earthquakes. Smart Structures and Systems, 2016, 18, 449-470.	1.9	39
76	Imperfect Correlation of Vortex-Induced Fluctuating Pressures and Vertical Forces on a Typical Flat Closed Box Deck. Advances in Structural Engineering, 2015, 18, 1597-1618.	2.4	7
77	Damage Detection in Long Suspension Bridges Using Stress Influence Lines. Journal of Bridge Engineering, 2015, 20, .	2.9	68
78	Derivation of time-varying mean for non-stationary downburst winds. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 141, 39-48.	3.9	62
79	An efficient algorithm for simultaneous identification of time-varying structural parameters and unknown excitations of a building structure. Engineering Structures, 2015, 98, 29-37.	5.3	28
80	Spectrum Models for Nonstationary Extreme Winds. Journal of Structural Engineering, 2015, 141, .	3.4	68
81	Safety analysis of a road vehicle passing by a bridge tower under crosswinds. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 137, 25-36.	3.9	29
82	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
83	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
84	Optimum control system for earthquake-excited building structures with minimal number of actuators and sensors. Smart Structures and Systems, 2015, 16, 981-1002.	1.9	4
85	Dynamic analysis of wind-vehicle-bridge systems using mutually-affected aerodynamic parameters. Wind and Structures, an International Journal, 2015, 20, 191-211.	0.8	3
86	Conditional Simulation of Nonstationary Fluctuating Wind Speeds for Long-Span Bridges. Journal of Engineering Mechanics - ASCE, 2014, 140, 61-73.	2.9	34
87	Crosswind Effect Studies on Road Vehicle Passing by Bridge Tower using Computational Fluid Dynamics. Engineering Applications of Computational Fluid Mechanics, 2014, 8, 330-344.	3.1	15
88	Extreme value of typhoon-induced non-stationary buffeting response of long-span bridges. Probabilistic Engineering Mechanics, 2014, 36, 19-27.	2.7	21
89	Nonlinear aerodynamic forces on thin flat plate: Numerical study. Journal of Fluids and Structures, 2014, 44, 182-194.	3.4	18
90	FRF-based structural damage detection of controlled buildings with podium structures: Experimental investigation. Journal of Sound and Vibration, 2014, 333, 2762-2775.	3.9	13

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91	Synthesis of vibration control and health monitoring of building structures under unknown excitation. Smart Materials and Structures, 2014, 23, 105025.	3.5	17
92	Mixed-dimensional finite element coupling for structural multi-scale simulation. Finite Elements in Analysis and Design, 2014, 92, 12-25.	3.2	29
93	Dual-type sensor placement for multi-scale response reconstruction. Mechatronics, 2014, 24, 376-384.	3.3	27
94	Characteristics of distributed aerodynamic forces on a twin-box bridge deck. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 131, 31-45.	3.9	20
95	Analysis of Rain-Wind Induced Cable Vibration Using Spatially Measured Aerodynamic Coefficients. Advances in Structural Engineering, 2014, 17, 961-977.	2.4	4
96	Crosswind effects on high-sided road vehicles with and without movement. Wind and Structures, an International Journal, 2014, 18, 155-180.	0.8	7
97	Wind loads on a moving vehicle-bridge deck system by wind-tunnel model test. Wind and Structures, an International Journal, 2014, 19, 145-167.	0.8	41
98	Field monitoring and numerical analysis of Tsing Ma Suspension Bridge temperature behavior. Structural Control and Health Monitoring, 2013, 20, 560-575.	4.0	168
99	Long-term structural performance monitoring system for the Shanghai Tower. Journal of Civil Structural Health Monitoring, 2013, 3, 49-61.	3.9	67
100	Typhoon-induced non-stationary buffeting response of long-span bridges in complex terrain. Engineering Structures, 2013, 57, 406-415.	5.3	75
101	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
102	Statistical moment-based structural damage detection method in time domain. Earthquake Engineering and Engineering Vibration, 2013, 12, 13-23.	2.3	12
103	Identification of damage in dome-like structures using hybrid sensor measurements and artificial neural networks. Smart Materials and Structures, 2013, 22, 105014.	3.5	11
104	Determination of Aerodynamic Forces on Stationary/Moving Vehicle-Bridge Deck System Under Crosswinds using Computational Fluid Dynamics. Engineering Applications of Computational Fluid Mechanics, 2013, 7, 355-368.	3.1	14
105	Dynamic Analysis of Wind-Vehicle-Bridge Coupling System during the Meeting of Two Trains. Advances in Structural Engineering, 2013, 16, 1663-1670.	2.4	32
106	Multi-Type Sensor Placement for Multi-Scale Response Reconstruction. Advances in Structural Engineering, 2013, 16, 1779-1797.	2.4	35
107	Two-Step Method for Instability Damage Detection in Tower Body of Transmission Structures. Advances in Structural Engineering, 2013, 16, 219-232.	2.4	11
108	Prediction of typhoon design wind speed and profile over complex terrain. Structural Engineering and Mechanics, 2013, 45, 1-18.	1.0	15

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109	Yaw wind effect on flutter instability of four typical bridge decks. Wind and Structures, an International Journal, 2013, 17, 317-343.	0.8	10
110	SHMS-Based Fatigue Reliability Analysis of Multiloading Suspension Bridges. Journal of Structural Engineering, 2012, 138, 299-307.	3.4	38
111	DATA FUSION-BASED STRUCTURAL DAMAGE DETECTION UNDER VARYING TEMPERATURE CONDITIONS. International Journal of Structural Stability and Dynamics, 2012, 12, 1250052.	2.4	22
112	Inverse substructure method for model updating of structures. Journal of Sound and Vibration, 2012, 331, 5449-5468.	3.9	48
113	An experimental study on self-powered vibration control and monitoring system using electromagnetic TMD and wireless sensors. Sensors and Actuators A: Physical, 2012, 180, 166-176.	4.1	72
114	Testbed for Structural Health Monitoring of Long-Span Suspension Bridges. Journal of Bridge Engineering, 2012, 17, 896-906.	2.9	22
115	A Refined Model for Typhoon Wind Field Simulation in Boundary Layer. Advances in Structural Engineering, 2012, 15, 77-89.	2.4	19
116	Long-term condition assessment of suspenders under traffic loads based on structural monitoring system: Application to the Tsing Ma Bridge. Structural Control and Health Monitoring, 2012, 19, 82-101.	4.0	93
117	Conditional simulation of spatially variable seismic ground motions based on evolutionary spectra. Earthquake Engineering and Structural Dynamics, 2012, 41, 2125-2139.	4.4	18
118	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
119	Fatigue assessment of multi-loading suspension bridges using continuum damage model. International Journal of Fatigue, 2012, 40, 27-35.	5.7	27
120	Linear electromagnetic devices for vibration damping and energy harvesting: Modeling and testing. Engineering Structures, 2012, 34, 198-212.	5.3	162
121	Concrete bridge-borne low-frequency noise simulation based on trainâ€“trackâ€“bridge dynamic interaction. Journal of Sound and Vibration, 2012, 331, 2457-2470.	3.9	70
122	Structural damage detection of controlled building structures using frequency response functions. Journal of Sound and Vibration, 2012, 331, 3476-3492.	3.9	57
123	Wind tunnel investigations of aerodynamic coefficients of road vehicles on bridge deck. Journal of Fluids and Structures, 2012, 30, 35-50.	3.4	71
124	Dynamic interaction of bridgeâ€“train system under nonâ€uniform seismic ground motion. Earthquake Engineering and Structural Dynamics, 2012, 41, 139-157.	4.4	72
125	A Substructuring Method for Model Updating and Damage Identification. Procedia Engineering, 2011, 14, 3095-3103.	1.2	5
126	Verification of a Cable Element for Cable Parametric Vibration of One-Cable-Beam System Subject to Harmonic Excitation and Random Excitation. Advances in Structural Engineering, 2011, 14, 589-595.	2.4	7

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127	Integrated system identification and reliability evaluation of stochastic building structures. Probabilistic Engineering Mechanics, 2011, 26, 528-538.	2.7	9
128	Fatigue analysis of long-span suspension bridges under multiple loading: Case study. Engineering Structures, 2011, 33, 3246-3256.	5.3	65
129	SHM-based F-AHP bridge rating system with application to Tsing Ma Bridge. Frontiers of Architecture and Civil Engineering in China, 2011, 5, 465-478.	0.4	8
130	Substructure based approach to finite element model updating. Computers and Structures, 2011, 89, 772-782.	4.4	81
131	Vibration-based monitoring of civil infrastructure: challenges and successes. Journal of Civil Structural Health Monitoring, 2011, 1, 79-95.	3.9	242
132	Damage identification in civil engineering structures utilizing PCA-compressed residual frequency response functions and neural network ensembles. Structural Control and Health Monitoring, 2011, 18, 207-226.	4.0	91
133	Variation of structural vibration characteristics versus non-uniform temperature distribution. Engineering Structures, 2011, 33, 146-153.	5.3	88
134	An iterative substructuring approach to the calculation of eigensolution and eigensensitivity. Journal of Sound and Vibration, 2011, 330, 3368-3380.	3.9	52
135	Stochastic damage detection method for building structures with parametric uncertainties. Journal of Sound and Vibration, 2011, 330, 4725-4737.	3.9	21
136	ADVANCED FINITE ELEMENT MODEL OF TSING MA BRIDGE FOR STRUCTURAL HEALTH MONITORING. International Journal of Structural Stability and Dynamics, 2011, 11, 313-344.	2.4	32
137	Dynamic Stress Analysis of Long Suspension Bridges under Wind, Railway, and Highway Loadings. Journal of Bridge Engineering, 2011, 16, 383-391.	2.9	46
138	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
139	Generalization of the statistical moment-based damage detection method. Structural Engineering and Mechanics, 2011, 38, 715-732.	1.0	11
140	Displacement-based design approach for highway bridges with SMA isolators. Smart Structures and Systems, 2011, 8, 173-190.	1.9	13
141	PREDICTION OF DESIGN TYPHOON WIND SPEEDS AND PROFILES USING REFINED TYPHOON WIND FIELD MODEL. , 2011, , 387-402.		1
142	Threeâ€dimensional vibration control of highâ€tech facilities against earthquakes and microvibration using hybrid platform. Earthquake Engineering and Structural Dynamics, 2010, 39, 615-634.	4.4	3
143	Sidereal filtering based on single differences for mitigating GPS multipath effects on short baselines. Journal of Geodesy, 2010, 84, 145-158.	3.6	105
144	Running safety analysis of a train on the Tsing Ma Bridge under turbulent winds. Earthquake Engineering and Engineering Vibration, 2010, 9, 307-318.	2.3	24

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145	Corrosion damage assessment and monitoring of large steel space structures. Frontiers of Architecture and Civil Engineering in China, 2010, 4, 354-369.	0.4	5
146	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
147	Computer-aided Nonlinear Vehicle-bridge Interaction Analysis. JVC/Journal of Vibration and Control, 2010, 16, 1791-1816.	2.6	58
148	Calculation of eigenvalue and eigenvector derivatives with the improved Kron's substructuring method. Structural Engineering and Mechanics, 2010, 36, 37-55.	1.0	29
149	Integrated vibration control and health monitoring of building structures: a time-domain approach. Smart Structures and Systems, 2010, 6, 811-833.	1.9	38
150	Monitoring temperature effect on a long suspension bridge. Structural Control and Health Monitoring, 2009, 17, n/a-n/a.	4.0	55
151	Buffeting-induced fatigue damage assessment of a long suspension bridge. International Journal of Fatigue, 2009, 31, 575-586.	5.7	69
152	Improved substructuring method for eigensolutions of large-scale structures. Journal of Sound and Vibration, 2009, 323, 718-736.	3.9	46
153	Experimental Investigation on Statistical Moment-based Structural Damage Detection Method. Structural Health Monitoring, 2009, 8, 555-571.	7.5	39
154	Experimental and numerical verification of hydraulic displacement amplification damping system. Structural Engineering and Mechanics, 2009, 33, 1-14.	1.0	8
155	Buffeting-induced stresses in a long suspension bridge: structural health monitoring oriented stress analysis. Wind and Structures, an International Journal, 2009, 12, 479-504.	0.8	34
156	Integrated vibration control and health monitoring of building structures using semi-active friction dampers: Part Iâ€"methodology. Engineering Structures, 2008, 30, 1789-1801.	5.3	69
157	Active stiffness control of windâ€rainâ€induced vibration of prototype stay cable. International Journal for Numerical Methods in Engineering, 2008, 74, 80-100.	2.8	7
158	Experimental study of a hybrid platform for high-tech equipment protection against earthquake and microvibration. Earthquake Engineering and Structural Dynamics, 2008, 37, 747-767.	4.4	14
159	Stochastic modelling of traffic-induced building vibration. Journal of Sound and Vibration, 2008, 313, 149-170.	3.9	28
160	Wind-induced vibration control of long span cable-stayed bridges using multiple pressurized tuned liquid column dampers. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 166-192.	3.9	39
161	Experimental study of windâ€"rain-induced cable vibration using a new model setup scheme. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 2438-2451.	3.9	36
162	Integrated vibration control and health monitoring of building structures using semi-active friction dampers: Part II â€" Numerical investigation. Engineering Structures, 2008, 30, 573-587.	5.3	53

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163	Occurrence Probability of Wind-Rain-Induced Stay Cable Vibration. Advances in Structural Engineering, 2008, 11, 53-69.	2.4	15
164	Seismic Protection of a Building Complex Using Variable Friction Damper: Experimental Investigation. Journal of Engineering Mechanics - ASCE, 2008, 134, 637-649.	2.9	44
165	A new statistical moment-based structural damage detection method. Structural Engineering and Mechanics, 2008, 30, 445-466.	1.0	39
166	STRUCTURAL HEALTH MONITORING ORIENTED FINITE ELEMENT MODEL OF TSING MA BRIDGE TOWER. International Journal of Structural Stability and Dynamics, 2007, 07, 647-668.	2.4	36
167	Dynamic Response of Suspension Bridge to Typhoon and Trains. II: Numerical Results. Journal of Structural Engineering, 2007, 133, 12-21.	3.4	45
168	Dynamic Response of Suspension Bridge to Typhoon and Trains. I: Field Measurement Results. Journal of Structural Engineering, 2007, 133, 3-11.	3.4	39
169	Semi-active control of a building complex with variable friction dampers. Engineering Structures, 2007, 29, 1209-1225.	5.3	49
170	Two-stage damage diagnosis approach for steel braced space frame structures. Engineering Structures, 2007, 29, 3277-3292.	5.3	8
171	Damping cable vibration for a cable-stayed bridge using adjustable fluid dampers. Journal of Sound and Vibration, 2007, 306, 349-360.	3.9	38
172	Windâ€“rain-induced vibration and control of stay cables in a cable-stayed bridge. Structural Control and Health Monitoring, 2007, 14, 1013-1033.	4.0	32
173	A Comparative Study of Stationary and Non-stationary Wind Models Using Field Measurements. Boundary-Layer Meteorology, 2007, 122, 105-121.	2.3	76
174	Dynamic performance of cable-stayed bridge tower with multi-stage pendulum mass damper under wind excitations â€” I: Theory. Earthquake Engineering and Engineering Vibration, 2007, 6, 295-306.	2.3	13
175	Dynamic performance of cable-stayed bridge tower with multi-stage pendulum mass damper under wind excitations â€” II: Experiment. Earthquake Engineering and Engineering Vibration, 2007, 6, 417-424.	2.3	4
176	Multi-hazard performance assessment of a transfer-plate high-rise building. Earthquake Engineering and Engineering Vibration, 2007, 6, 371-382.	2.3	10
177	Dynamic response of a long span suspension bridge and running safety of a train under wind action. Frontiers of Architecture and Civil Engineering in China, 2007, 1, 71-79.	0.4	7
178	A new damage index for detecting sudden change of structural stiffness. Structural Engineering and Mechanics, 2007, 26, 315-341.	1.0	24
179	Generation of critical and compatible seismic ground acceleration time histories for high-tech facilities. Structural Engineering and Mechanics, 2007, 26, 687-707.	1.0	3
180	Wind-induced self-excited vibrations of a twin-deck bridge and the effects of gap-width. Wind and Structures, an International Journal, 2007, 10, 463-479.	0.8	12

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