Qiu Sheng Li

List of Publications by Year
in descending order

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		34016	79541
395	9,904	52	73
papers	citations	h-index	g-index

395	395	395	4690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical evaluation of wind effects on a tall steel building by CFD. Journal of Constructional Steel Research, 2007, 63, 612-627.	1.7	198
2	A general inflow turbulence generator for large eddy simulation. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 600-617.	1.7	161
3	A new artificial neural network-based response surface method for structural reliability analysis. Probabilistic Engineering Mechanics, 2008, 23, 51-63.	1.3	148
4	Statistical analysis of wind characteristics and wind energy potential in Hong Kong. Energy Conversion and Management, 2015, 101, 644-657.	4.4	138
5	Dynamic Behavior of Taipei 101 Tower: Field Measurement and Numerical Analysis. Journal of Structural Engineering, 2011, 137, 143-155.	1.7	128
6	Development of structuralâ€“functional integrated concrete with macro-encapsulated PCM for thermal energy storage. Applied Energy, 2015, 150, 245-257.	5.1	127
7	Investigation of offshore wind energy potential in Hong Kong based on Weibull distribution function. Applied Energy, 2015, 156, 362-373.	5.1	120
8	Electrowetting on liquid-infused film (EWOLF): Complete reversibility and controlled droplet oscillation suppression for fast optical imaging. Scientific Reports, 2014, 4, 6846.	1.6	116
9	Vibration control of steel jacket offshore platform structures with damping isolation systems. Engineering Structures, 2007, 29, 1525-1538.	2.6	114
10	Structural vibration control by shape memory alloy damper. Earthquake Engineering and Structural Dynamics, 2003, 32, 483-494.	2.5	106
11	Seismic spatial effects for long-span bridges, using the pseudo excitation method. Engineering Structures, 2004, 26, 1207-1216.	2.6	104
12	Field measurements of typhoon effects on a super tall building. Engineering Structures, 2004, 26, 233-244.	2.6	102
13	Reliability analysis of structures using artificial neural network based genetic algorithms. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3742-3750.	3.4	96
14	Finite element model updating for a high-rise structure based on ambient vibration measurements. Engineering Structures, 2004, 26, 979-990.	2.6	91
15	Full-scale measurements of wind effects on the Jin Mao building. Journal of Wind Engineering and Industrial Aerodynamics, 2007, 95, 445-466.	1.7	91
16	Typhoon wind hazard analysis for southeast China coastal regions. Structural Safety, 2011, 33, 286-295.	2.8	90
17	Structural parameter identification and damage detection for a steel structure using a two-stage finite element model updating method. Journal of Constructional Steel Research, 2006, 62, 231-239.	1.7	87
18	Static and dynamic analysis of straight bars with variable cross-section. Computers and Structures, 1996, 59, 1185-1191.	2.4	86

#	Article	IF	Citations
19	Boundary layer wind structure from observations on a 325m tower. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 818-832.	1.7	86
20	Performance assessment of tall building-integrated wind turbines for power generation. Applied Energy, 2016, 165, 777-788.	5.1	86
21	Full-scale monitoring of typhoon effects on super tall buildings. Journal of Fluids and Structures, 2005, 20, 697-717.	1.5	85
22	Assessment of onshore wind energy potential under different geographical climate conditions in China. Energy, 2018, 152, 498-511.	4.5	84
23	Structural performance of multi-outrigger-braced tall buildings. Structural Design of Tall and Special Buildings, 2003, 12, 155-176.	0.9	82
24	Mathematical model of acrosswind dynamic loads on rectangular tall buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2002, 90, 1757-1770.	1.7	78
25	Random vibration analysis of long-span structures subjected to spatially varying ground motions. Soil Dynamics and Earthquake Engineering, 2009, 29, 620-629.	1.9	78
26	The effect of amplitude-dependent damping on wind-induced vibrations of a super tall building. Journal of Wind Engineering and Industrial Aerodynamics, 2003, 91, 1175-1198.	1.7	77
27	Wind tunnel and full-scale study of wind effects on Chinaâ€™s tallest building. Engineering Structures, 2006, 28, 1745-1758.	2.6	76
28	Inflow turbulence generation methods with large eddy simulation for wind effects on tall buildings. Computers and Fluids, 2015, 116, 158-175.	1.3	76
29	Full-scale measurements and numerical evaluation of wind-induced vibration of a 63-story reinforced concrete tall building. Engineering Structures, 2004, 26, 1779-1794.	2.6	75
30	Bending and buckling analysis of antisymmetric laminates using the moving least square differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 3471-3492.	3.4	73
31	Typhoon effects on super-tall buildings. Journal of Sound and Vibration, 2008, 313, 581-602.	2.1	72
32	Observations of offshore wind characteristics by Doppler-LiDAR for wind energy applications. Applied Energy, 2016, 169, 150-163.	5.1	72
33	Full scale measurements of wind effects on tall buildings. Journal of Wind Engineering and Industrial Aerodynamics, 1998, 74-76, 741-750.	1.7	71
34	An experimental investigation of the effects of free-stream turbulence on streamwise surface pressures in separated and reattaching flows. Journal of Wind Engineering and Industrial Aerodynamics, 1995, 54-55, 313-323.	1.7	69
35	Numerical simulations of wind-driven rain on building envelopes based on Eulerian multiphase model. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 843-857.	1.7	68
36	Field measurements of boundary layer wind characteristics and wind-induced responses of super-tall buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 1332-1358.	1.7	67

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37	Analysis of Free Vibrations of Tall Buildings. Journal of Engineering Mechanics - ASCE, 1994, 120, 1861-1876.	1.6	66
38	The effect of large-scale turbulence on pressure fluctuations in separated and reattaching flows. Journal of Wind Engineering and Industrial Aerodynamics, 1999, 83, 159-169.	1.7	63
39	EXACT SOLUTIONS FOR FREE LONGITUDINAL VIBRATIONS OF NON-UNIFORM RODS. Journal of Sound and Vibration, 2000, 234, 1-19.	2.1	62
40	Seismic analysis of the worldâ€™s tallest building. Journal of Constructional Steel Research, 2009, 65, 1206-1215.	1.7	62
41	Wind tunnel and full-scale study of wind effects on a super-tall building. Journal of Fluids and Structures, 2015, 58, 236-253.	1.5	62
42	FREE VIBRATION ANALYSIS OF NON-UNIFORM BEAMS WITH AN ARBITRARY NUMBER OF CRACKS AND CONCENTRATED MASSES. Journal of Sound and Vibration, 2002, 252, 509-525.	2.1	61
43	Thermomechanical postbuckling of shear deformable laminated cylindrical shells with local geometric imperfections. International Journal of Solids and Structures, 2002, 39, 4525-4542.	1.3	61
44	Structural health monitoring for a 600Âm high skyscraper. Structural Design of Tall and Special Buildings, 2018, 27, e1490.	0.9	60
45	Genetic evolutionary structural optimization. Journal of Constructional Steel Research, 2008, 64, 305-311.	1.7	59
46	Dynamic characteristics and wind-induced responses of a super-tall building during typhoons. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 121, 116-130.	1.7	59
47	Full-scale measurements of wind effects on Guangzhou West Tower. Engineering Structures, 2012, 35, 120-139.	2.6	58
48	Monitoring of typhoon effects on a super-tall building in Hong Kong. Structural Control and Health Monitoring, 2014, 21, 926-949.	1.9	58
49	Shear Lag in Box Girder Bridges. Journal of Bridge Engineering, 2002, 7, 308-313.	1.4	57
50	Shear Lag of Thin-Walled Curved Box Girder Bridges. Journal of Engineering Mechanics - ASCE, 2000, 126, 1111-1114.	1.6	55
51	Coupled on-site measurement/CFD based approach for high-resolution wind resource assessment over complex terrains. Energy Conversion and Management, 2016, 117, 351-366.	4.4	55
52	Stability analysis of bars with varying cross-section. International Journal of Solids and Structures, 1995, 32, 3217-3228.	1.3	54
53	Aerodynamic treatments for reduction of wind loads on high-rise buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 172, 107-115.	1.7	54
54	Implementing wind turbines in a tall building for power generation: A study of wind loads and wind speed amplifications. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 116, 70-82.	1.7	53

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55	Observation of wind fields over different terrains and wind effects on a super-tall building during a severe typhoon and verification of wind tunnel predictions. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 162, 73-84.	1.7	53
56	Wind characteristics over different terrains. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 120, 51-69.	1.7	51
57	RANS simulation of neutral atmospheric boundary layer flows over complex terrain by proper imposition of boundary conditions and modification on the k-ĵµ model. Environmental Fluid Mechanics, 2016, 16, 1-23.	0.7	51
58	Wind characteristics of a strong typhoon in marine surface boundary layer. Wind and Structures, an International Journal, 2012, 15, 1-15.	0.8	51
59	Timeâ€“frequency analysis of typhoon effects on a 79-storey tall building. Journal of Wind Engineering and Industrial Aerodynamics, 2007, 95, 1648-1666.	1.7	50
60	Stability analysis of a bar with multi-segments of varying cross-section. Computers and Structures, 1994, 53, 1085-1089.	2.4	49
61	Prediction of wind-induced pressures on a large gymnasium roof using artificial neural networks. Computers and Structures, 2007, 85, 179-192.	2.4	49
62	Observations of vertical wind profiles of tropical cyclones at coastal areas. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 152, 1-14.	1.7	49
63	Damping in buildings: its neural network model and AR model. Engineering Structures, 2000, 22, 1216-1223.	2.6	48
64	Comparative study of onshore and offshore wind characteristics and wind energy potentials: A case study for southeast coastal region of China. Sustainable Energy Technologies and Assessments, 2020, 39, 100711.	1.7	48
65	A revised empirical model and CFD simulations for 3D axisymmetric steady-state flows of downbursts and impinging jets. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 102, 48-60.	1.7	47
66	Multi-level optimal design of buildings with active control under winds using genetic algorithms. Journal of Wind Engineering and Industrial Aerodynamics, 2000, 86, 65-86.	1.7	46
67	Combinatorial optimal design of number and positions of actuators in actively controlled structures using genetic algorithms. Journal of Sound and Vibration, 2004, 270, 611-624.	2.1	45
68	Wind tunnel study of interference effects between twin super-tall buildings with aerodynamic modifications. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 156, 129-145.	1.7	45
69	Postbuckling of shear deformable laminated plates resting on a tensionless elastic foundation subjected to mechanical or thermal loading. International Journal of Solids and Structures, 2004, 41, 4769-4785.	1.3	44
70	Damping of tall buildings: its evaluation and probabilistic characteristics. Structural Design of Tall Buildings, 1999, 8, 145-153.	0.3	43
71	Frequency domain analysis of fluidâ€“structure interaction in liquid-filled pipe systems by transfer matrix method. International Journal of Mechanical Sciences, 2002, 44, 2067-2087.	3.6	43
72	Modified independent modal space control of m.d.o.f. systems. Journal of Sound and Vibration, 2003, 261, 421-441.	2.1	43

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73	Analysis of load-transfer of single pile in layered soil. Computers and Geotechnics, 2004, 31, 127-135.	2.3	43
74	Probability distributions of extreme wind speed and its occurrence interval. Engineering Structures, 2006, 28, 1173-1181.	2.6	43
75	Application of the response surface methods to solve inverse reliability problems with implicit response functions. Computational Mechanics, 2009, 43, 451-459.	2.2	43
76	Evaluation of wind effects on a supertall building based on full-scale measurements. Earthquake Engineering and Structural Dynamics, 2000, 29, 1845-1862.	2.5	42
77	Field measurements of amplitude-dependent damping in a 79-storey tall building and its efects on the structural dynamic responses. Structural Design of Tall Buildings, 2002, 11, 129-153.	0.3	42
78	Postbuckling of cross-ply laminated cylindrical shells with piezoelectric actuators under complex loading conditions. International Journal of Mechanical Sciences, 2002, 44, 1731-1754.	3.6	41
79	Dynamic Behavior of Supertall Building with Active Control System during Super Typhoon Mangkhut. Journal of Structural Engineering, 2020, 146, .	1.7	41
80	Vibratory characteristics of flexural non-uniform Eulerâ€“Bernoulli beams carrying an arbitrary number of springâ€“mass systems. International Journal of Mechanical Sciences, 2002, 44, 725-743.	3.6	40
81	Exact solutions for buckling of non-uniform columns under axial concentrated and distributed loading. European Journal of Mechanics, A/Solids, 2001, 20, 485-500.	2.1	39
82	Torsional dynamic wind loads on rectangular tall buildings. Engineering Structures, 2004, 26, 129-137.	2.6	39
83	Seismic response analysis of structures with velocity-dependent dampers. Journal of Constructional Steel Research, 2007, 63, 628-638.	1.7	39
84	Gust factors for tropical cyclone, monsoon and thunderstorm winds. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 142, 1-14.	1.7	39
85	Monitoring Wind Characteristics and Structural Performance of a Supertall Building during a Landfall Typhoon. Journal of Structural Engineering, 2016, 142, .	1.7	39
86	Analytical Solution for Fluid-Structure Interaction in Liquid-Filled Pipes Subjected to Impact-Induced Water Hammer. Journal of Engineering Mechanics - ASCE, 2003, 129, 1408-1417.	1.6	38
87	Prediction of wind loads on a large flat roof using fuzzy neural networks. Engineering Structures, 2006, 28, 153-161.	2.6	38
88	Monitoring of wind effects on 600â€¯m high Ping-An Finance Center during Typhoon Haima. Engineering Structures, 2018, 167, 308-326.	2.6	37
89	Observational study of wind characteristics, wind speed and turbulence profiles during Super Typhoon Mangkhut. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 206, 104362.	1.7	37
90	Buckling of multi-step non-uniform beams with elastically restrained boundary conditions. Journal of Constructional Steel Research, 2001, 57, 753-777.	1.7	36

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91	Optimum positioning of actuators in tall buildings using genetic algorithm. Computers and Structures, 2003, 81, 2823-2827.	2.4	36
92	3D aerodynamic admittances of streamlined box bridge decks. Engineering Structures, 2019, 179, 321-331.	2.6	36
93	Field measurements of extreme pressures on a flat roof of a low-rise building during typhoons. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 111, 14-29.	1.7	35
94	Aerodynamic performance of CAARC standard tall building model by various corner chamfers. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 202, 104197.	1.7	35
95	Free vibration analysis of cantilevered tall structures under various axial loads. Engineering Structures, 2000, 22, 525-534.	2.6	34
96	Longitudinal vibration analysis of multi-span liquid-filled pipelines with rigid constraints. Journal of Sound and Vibration, 2004, 273, 125-147.	2.1	34
97	Vertical wind profiles for typhoon, monsoon and thunderstorm winds. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 168, 190-199.	1.7	34
98	Experimental studies on shear lag of box girders. Engineering Structures, 2002, 24, 469-477.	2.6	33
99	New control strategies for active tuned mass damper systems. Computers and Structures, 2004, 82, 2341-2350.	2.4	33
100	Experimental and numerical seismic investigations of the Three Gorges dam. Engineering Structures, 2005, 27, 501-513.	2.6	33
101	Wind tunnel study of wind-induced torques on L-shaped tall buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 167, 41-50.	1.7	33
102	Monitoring Structural Performance of a Supertall Building during 14 Tropical Cyclones. Journal of Structural Engineering, 2018, 144, .	1.7	33
103	Field measurements of wind effects on the tallest building in Hong Kong. Structural Design of Tall and Special Buildings, 2003, 12, 67-82.	0.9	32
104	Identification of Wind Loads and Estimation of Structural Responses of Superâ€Tall Buildings by an Inverse Method. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 966-982.	6.3	32
105	Field measurements of wind effects on a low-rise building with roof overhang during typhoons. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 176, 143-157.	1.7	32
106	Vibratory Characteristics of Timoshenko Beams with Arbitrary Number of Cracks. Journal of Engineering Mechanics - ASCE, 2003, 129, 1355-1359.	1.6	31
107	Aerodynamic characteristics of a long-span cable-stayed bridge under construction. Engineering Structures, 2019, 184, 232-246.	2.6	31
108	Spatiotemporal analysis of offshore wind field characteristics and energy potential in Hong Kong. Energy, 2020, 201, 117622.	4.5	31

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109	Random damping in buildings and its AR model. Journal of Wind Engineering and Industrial Aerodynamics, 1999, 79, 159-167.	1.7	30
110	Probabilistic characteristics of pressure fluctuations in separated and reattaching flows for various free-stream turbulence. Journal of Wind Engineering and Industrial Aerodynamics, 1999, 82, 125-145.	1.7	30
111	Buckling of multi-step cracked columns with shear deformation. Engineering Structures, 2001, 23, 356-364.	2.6	30
112	Vibratory characteristics of multi-step beams with an arbitrary number of cracks and concentrated masses. Applied Acoustics, 2001, 62, 691-706.	1.7	30
113	Buckling of shallow spherical shells including the effects of transverse shear deformation. International Journal of Mechanical Sciences, 2003, 45, 1519-1529.	3.6	30
114	A finite segment model for shear lag analysis. Engineering Structures, 2004, 26, 2113-2124.	2.6	30
115	Nonlinear aeroelastic flutter and dynamic response of composite laminated cylindrical shell in supersonic air flow. Composite Structures, 2017, 168, 474-484.	3.1	30
116	Field measurements of wind pressures on a 600â€m high skyscraper during a landfall typhoon and comparison with wind tunnel test. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 175, 391-407.	1.7	30
117	Vortex-Induced Vibration Performance and Suppression Mechanism for a Long Suspension Bridge with Wide Twin-Box Girder. Journal of Structural Engineering, 2018, 144, .	1.7	30
118	Failure probability prediction of concrete components. Cement and Concrete Research, 2003, 33, 1631-1636.	4.6	29
119	Optimal sensor locations for structural vibration measurements. Applied Acoustics, 2004, 65, 807-818.	1.7	29
120	Large eddy simulation of wind effects on a long-span complex roof structure. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 100, 1-18.	1.7	29
121	Insights from Super Typhoon Mangkhut (1822) for wind engineering practices. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 203, 104238.	1.7	29
122	Wind profiles of tropical cyclones as observed by Doppler wind profiler and anemometer. Wind and Structures, an International Journal, 2013, 17, 419-433.	0.8	29
123	Correlation of dynamic characteristics of a super-tall building from full-scale measurements and numerical analysis with various finite element models. Earthquake Engineering and Structural Dynamics, 2004, 33, 1311-1336.	2.5	28
124	Field monitoring of boundary layer wind characteristics in urban area. Wind and Structures, an International Journal, 2009, 12, 553-574.	0.8	28
125	Seismic random vibration analysis of tall buildings. Engineering Structures, 2004, 26, 1767-1778.	2.6	27
126	Standardization of raw wind speed data under complex terrain conditions: A data-driven scheme. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 131, 12-30.	1.7	27

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127	Detached-eddy and large-eddy simulations of wind effects on a high-rise structure. Computers and Fluids, 2017, 150, 74-83.	1.3	27
128	Observational study of veering wind by Doppler wind profiler and surface weather station. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 178, 18-25.	1.7	27
129	Buckling Analysis of Multi-Step Non-Uniform Columns. Advances in Structural Engineering, 2000, 3, 139-144.	1.2	26
130	Finite Segment Method for Shear Lag Analysis of Cable-Stayed Bridges. Journal of Structural Engineering, 2002, 128, 1617-1622.	1.7	26
131	Effects of amplitude-dependent damping and time constant on wind-induced responses of super tall building. Computers and Structures, 2007, 85, 1165-1176.	2.4	26
132	An experimental investigation of surface pressures in separated and reattaching flows: effects of freestream turbulence and leading edge geometry. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 165, 58-66.	1.7	26
133	Exact solutions for longitudinal vibration of rods coupled by translational springs. International Journal of Mechanical Sciences, 2000, 42, 1135-1152.	3.6	25
134	Monitoring of dynamic behaviour of super-tall buildings during typhoons. Structure and Infrastructure Engineering, 2016, 12, 289-311.	2.0	25
135	A multilevel genetic algorithm for the optimum design of structural control systems. International Journal for Numerical Methods in Engineering, 2002, 55, 817-834.	1.5	24
136	Wind effects on a long-span beam string roof structure: Wind tunnel test, field measurement and numerical analysis. Journal of Constructional Steel Research, 2011, 67, 1591-1604.	1.7	24
137	Specifications and applications of the technical code for monitoring of building and bridge structures in China. Advances in Mechanical Engineering, 2017, 9, 168781401668427.	0.8	24
138	Characterising the fractal dimension of wind speed time series under different terrain conditions. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 201, 104165.	1.7	24
139	Multi-level design model and genetic algorithm for structural control system optimization. Earthquake Engineering and Structural Dynamics, 2001, 30, 927-942.	2.5	23
140	A new dynamic oneâ€equation subgridâ€scale model for large eddy simulations. International Journal for Numerical Methods in Engineering, 2010, 81, 835-865.	1.5	23
141	Wind tunnel test and field measurement study of wind effects on a 600â€mâ€high superâ€tall building. Structural Design of Tall and Special Buildings, 2017, 26, e1385.	0.9	23
142	Free longitudinal vibration analysis of multi-step non-uniform bars based on piecewise analytical solutions. Engineering Structures, 2000, 22, 1205-1215.	2.6	22
143	Classes of exact solutions for buckling of multi-step non-uniform columns with an arbitrary number of cracks subjected to concentrated and distributed axial loads. International Journal of Engineering Science, 2003, 41, 569-586.	2.7	22
144	A new approach for bending analysis of thin circular plates with large deflection. International Journal of Mechanical Sciences, 2004, 46, 173-180.	3.6	22

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145	Identification of wind loads on super-tall buildings by Kalman filter. Computers and Structures, 2018, 208, 105-117.	2.4	22
146	Evaluation of wind effects on a large span retractable roof stadium by wind tunnel experiment and numerical simulation. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 39-57.	1.7	22
147	Monitoring wind effects of a landfall typhoon on a 600 m high skyscraper. Structure and Infrastructure Engineering, 2019, 15, 54-71.	2.0	22
148	Calculation of vertical dynamic characteristics of tall buildings with viscous damping. International Journal of Solids and Structures, 1998, 35, 3165-3176.	1.3	21
149	Evaluation of 2D coupled galloping oscillations of slender structures. Computers and Structures, 1998, 66, 513-523.	2.4	21
150	Exact solutions for free longitudinal vibration of stepped non-uniform rods. Applied Acoustics, 2000, 60, 13-28.	1.7	21
151	Equivalent Static Wind Loads on Long-Span Roof Structures. Journal of Structural Engineering, 2008, 134, 1115-1128.	1.7	21
152	Large-eddy simulation of wind effects on a super-tall building in urban environment conditions. Structure and Infrastructure Engineering, 2016, 12, 765-785.	2.0	21
153	Flexural free vibration of cantilevered structures of variable stiffness and mass. Structural Engineering and Mechanics, 1999, 8, 243-256.	1.0	21
154	Optimal design of wind-induced vibration control of tall buildings and high-rise structures. Wind and Structures, an International Journal, 1999, 2, 69-83.	0.8	21
155	Prediction of load-settlement relationship for large-diameter piles. Structural Design of Tall Buildings, 2002, 11, 285-293.	0.3	20
156	Nonlinear elastoplastic dynamic analysis of single-layer reticulated shells subjected to earthquake excitation. Computers and Structures, 2003, 81, 177-188.	2.4	20
157	A hybrid artificial neural network method with uniform design for structural optimization. Computational Mechanics, 2009, 44, 61-71.	2.2	20
158	Across-wind dynamic loads on L-shaped tall buildings. Wind and Structures, an International Journal, 2016, 23, 385-403.	0.8	20
159	An exact approach for free vibration analysis of rectangular plates with line-concentrated mass and elastic line-support. International Journal of Mechanical Sciences, 2003, 45, 669-685.	3.6	19
160	Reliability analysis of a long span steel arch bridge against wind-induced stability failure during construction. Journal of Constructional Steel Research, 2009, 65, 552-558.	1.7	19
161	Monitoring and time-dependent analysis of vertical deformations of the tallest building in China. Structural Control and Health Monitoring, 2017, 24, e1936.	1.9	19
162	Observations of typhoon effects on a high-rise building and verification of wind tunnel predictions. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 184, 174-184.	1.7	19

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163	Field measurements and numerical simulations of wind-driven rain on a low-rise building during typhoons. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 204, 104274.	1.7	19
164	Turbulence effects on surface pressures of rectangular cylinders. Wind and Structures, an International Journal, 1999, 2, 253-266.	0.8	19
165	Shallow rectangular TLD for structural control implementation. Applied Acoustics, 2002, 63, 1125-1135.	1.7	18
166	Wind effects on the worldâ€™s longest spatial lattice structure: Loading characteristics and numerical prediction. Journal of Constructional Steel Research, 2007, 63, 1341-1350.	1.7	18
167	Large Eddy Simulations of Wind-Driven Rain on Tall Building Facades. Journal of Structural Engineering, 2012, 138, 967-983.	1.7	18
168	The jump phenomenon effect on the sound absorption of a nonlinear panel absorber and sound transmission loss of a nonlinear panel backed by a cavity. Nonlinear Dynamics, 2012, 69, 99-116.	2.7	18
169	Investigation of low-level jet characteristics based on wind profiler observations. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 369-381.	1.7	18
170	Identification of modal parameters of a 600â€mâ€high skyscraper from field vibration tests. Earthquake Engineering and Structural Dynamics, 2019, 48, 1678-1698.	2.5	18
171	Eliminating Beating Effects in Damping Estimation of High-Rise Buildings. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	18
172	Field monitoring and wind tunnel study of wind effects on roof overhang of a lowâ€rise building. Structural Control and Health Monitoring, 2020, 27, e2484.	1.9	18
173	Experimental investigation of characteristics of torsional wind loads on rectangular tall buildings. Structural Engineering and Mechanics, 2014, 49, 129-145.	1.0	18
174	Modal Identification of Civil Structures via Stochastic Subspace Algorithm with Monte Carloâ€“Based Stabilization Diagram. Journal of Structural Engineering, 2022, 148, .	1.7	18
175	Buckling analysis of non-uniform bars with rotational and translational springs. Engineering Structures, 2003, 25, 1289-1299.	2.6	17
176	EVALUATION OF THE LEVER-TYPE MULTIPLE TUNED MASS DAMPERS FOR MITIGATING HARMONICALLY FORCED VIBRATION. International Journal of Structural Stability and Dynamics, 2005, 05, 641-664.	1.5	17
177	Eigenvalues of structures with uncertain elastic boundary restraints. Applied Acoustics, 2007, 68, 350-363.	1.7	17
178	Dynamic responses of a 492-m-high tall building with active tuned mass damping system during a typhoon. Structural Control and Health Monitoring, 2013, 21, n/a-n/a.	1.9	17
179	Estimation of roughness length at Hong Kong International Airport via different micrometeorological methods. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 171, 121-136.	1.7	17
180	Nonlinear dynamics of a foldable multibeam structure with one to two internal resonances. International Journal of Mechanical Sciences, 2019, 150, 369-378.	3.6	17

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181	Observation of Typhoon Hato based on the 356-m high meteorological gradient tower at Shenzhen. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 207, 104408.	1.7	17
182	A new exact approach for determining natural frequencies and mode shapes of non-uniform shear beams with arbitrary distribution of mass or stiffness. International Journal of Solids and Structures, 2000, 37, 5123-5141.	1.3	16
183	Negative Shear Lag Effect in Box Girderswith Varying Depth. Journal of Structural Engineering, 2001, 127, 1236-1239.	1.7	16
184	Buckling of an elastically restrained multi-step non-uniform beam with multiple cracks. Archive of Applied Mechanics, 2002, 72, 522-535.	1.2	16
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