Qiu Sheng Li

List of Publications by Citations

Source: https://exaly.com/author-pdf/4704310/qiu-sheng-li-publications-by-citations.pdf
Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

385 papers	7,366 citations	45 h-index	62 g-index
395 ext. papers	8,592 ext. citations	3.5 avg, IF	6.59 L-index

#	Paper	IF	Citations
385	Numerical evaluation of wind effects on a tall steel building by CFD. *Journal of Constructional Steel Research*, **2007**, 63, 612-627	3.8	153
384	A general inflow turbulence generator for large eddy simulation. *Journal of Wind Engineering and Industrial Aerodynamics*, **2010**, 98, 600-617	3.7	119
383	A new artificial neural network-based response surface method for structural reliability analysis. *Probabilistic Engineering Mechanics*, **2008**, 23, 51-63	2.6	117
382	Statistical analysis of wind characteristics and wind energy potential in Hong Kong. *Energy Conversion and Management*, **2015**, 101, 644-657	10.6	108
381	Investigation of offshore wind energy potential in Hong Kong based on Weibull distribution function. *Applied Energy*, **2015**, 156, 362-373	10.7	92
380	Dynamic Behavior of Taipei 101 Tower: Field Measurement and Numerical Analysis. *Journal of Structural Engineering*, **2011**, 137, 143-155	3	89
379	Field measurements of typhoon effects on a super tall building. *Engineering Structures*, **2004**, 26, 233-244	4.7	86
378	Structural vibration control by shape memory alloy damper. *Earthquake Engineering and Structural Dynamics*, **2003**, 32, 483-494	4	86
377	Seismic spatial effects for long-span bridges, using the pseudo excitation method. *Engineering Structures*, **2004**, 26, 1207-1216	4.7	85
376	Development of structural-functional integrated concrete with macro-encapsulated PCM for thermal energy storage. *Applied Energy*, **2015**, 150, 245-257	10.7	81
375	Vibration control of steel jacket offshore platform structures with damping isolation systems. *Engineering Structures*, **2007**, 29, 1525-1538	4.7	81
374	Finite element model updating for a high-rise structure based on ambient vibration measurements. *Engineering Structures*, **2004**, 26, 979-990	4.7	81
373	Electrowetting on liquid-infused film (EWOLF): complete reversibility and controlled droplet oscillation suppression for fast optical imaging. *Scientific Reports*, **2014**, 4, 6846	4.9	77
372	Full-scale monitoring of typhoon effects on super tall buildings. *Journal of Fluids and Structures*, **2005**, 20, 697-717	3.1	77
371	Reliability analysis of structures using artificial neural network based genetic algorithms. *Computer Methods in Applied Mechanics and Engineering*, **2008**, 197, 3742-3750	5.7	76
370	Full-scale measurements of wind effects on the Jin Mao building. *Journal of Wind Engineering and Industrial Aerodynamics*, **2007**, 95, 445-466	3.7	75
369	Static and dynamic analysis of straight bars with variable cross-section. *Computers and Structures*, **1996**, 59, 1185-1191	4.5	74

368	Boundary layer wind structure from observations on a 325 m tower. *Journal of Wind Engineering and Industrial Aerodynamics*, **2010**, 98, 818-832	3.7	71
367	Full-scale measurements and numerical evaluation of wind-induced vibration of a 63-story reinforced concrete tall building. *Engineering Structures*, **2004**, 26, 1779-1794	4.7	69
366	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	3.8	68
365	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	5.7	68
364	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	3.7	65
363	Performance assessment of tall building-integrated wind turbines for power generation. *Applied Energy*, **2016**, 165, 777-788	10.7	64
362	Full scale measurements of wind effects on tall buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **1998**, 74-76, 741-750	3.7	63
361	Structural performance of multi-outrigger-braced tall buildings. *Structural Design of Tall and Special Buildings*, **2003**, 12, 155-176	1.8	61
360	Random vibration analysis of long-span structures subjected to spatially varying ground motions. *Soil Dynamics and Earthquake Engineering*, **2009**, 29, 620-629	3.5	60
359	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	3.7	59
358	Typhoon wind hazard analysis for southeast China coastal regions. *Structural Safety*, **2011**, 33, 286-295	4.9	58
357	Wind tunnel and full-scale study of wind effects on China□ tallest building. *Engineering Structures*, **2006**, 28, 1745-1758	4.7	58
356	Analysis of Free Vibrations of Tall Buildings. *Journal of Engineering Mechanics - ASCE*, **1994**, 120, 1861-1876	2.4	58
355	Typhoon effects on super-tall buildings. *Journal of Sound and Vibration*, **2008**, 313, 581-602	3.9	57
354	Observations of offshore wind characteristics by Doppler-LiDAR for wind energy applications. *Applied Energy*, **2016**, 169, 150-163	10.7	56
353	Mathematical model of acrosswind dynamic loads on rectangular tall buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **2002**, 90, 1757-1770	3.7	56
352	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	3.9	55
351	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	3.7	54

350	Assessment of onshore wind energy potential under different geographical climate conditions in China. *Energy*, **2018**, 152, 498-511	7.9	53
349	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	3.7	53
348	Thermomechanical postbuckling of shear deformable laminated cylindrical shells with local geometric imperfections. *International Journal of Solids and Structures*, **2002**, 39, 4525-4542	3.1	52
347	Shear Lag of Thin-Walled Curved Box Girder Bridges. *Journal of Engineering Mechanics - ASCE*, **2000**, 126, 1111-1114	2.4	51
346	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	3.7	50
345	EXACT SOLUTIONS FOR FREE LONGITUDINAL VIBRATIONS OF NON-UNIFORM RODS. *Journal of Sound and Vibration*, **2000**, 234, 1-19	3.9	50
344	Stability analysis of bars with varying cross-section. *International Journal of Solids and Structures*, **1995**, 32, 3217-3228	3.1	50
343	Shear Lag in Box Girder Bridges. *Journal of Bridge Engineering*, **2002**, 7, 308-313	2.7	48
342	Wind characteristics of a strong typhoon in marine surface boundary layer. *Wind and Structures, an International Journal*, **2012**, 15, 1-15		46
341	Monitoring of typhoon effects on a super-tall building in Hong Kong. *Structural Control and Health Monitoring*, **2014**, 21, 926-949	4.5	45
340	Wind characteristics over different terrains. *Journal of Wind Engineering and Industrial Aerodynamics*, **2013**, 120, 51-69	3.7	45
339	Stability analysis of a bar with multi-segments of varying cross-section. *Computers and Structures*, **1994**, 53, 1085-1089	4.5	45
338	Inflow turbulence generation methods with large eddy simulation for wind effects on tall buildings. *Computers and Fluids*, **2015**, 116, 158-175	2.8	44
337	Full-scale measurements of wind effects on Guangzhou West Tower. *Engineering Structures*, **2012**, 35, 120-139	4.7	44
336	Seismic analysis of the world's tallest building. *Journal of Constructional Steel Research*, **2009**, 65, 1206-1213	3.8	44
335	Damping in buildings: its neural network model and AR model. *Engineering Structures*, **2000**, 22, 1216-1223	4.7	44
334	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	3.7	43
333	Genetic evolutionary structural optimization. *Journal of Constructional Steel Research*, **2008**, 64, 305-311	3.8	43

332	Dynamic characteristics and wind-induced responses of a super-tall building during typhoons. *Journal of Wind Engineering and Industrial Aerodynamics*, **2013**, 121, 116-130	3.7	42
331	Time–frequency analysis of typhoon effects on a 79-storey tall building. *Journal of Wind Engineering and Industrial Aerodynamics*, **2007**, 95, 1648-1666	3.7	42
330	Evaluation of wind effects on a supertall building based on full-scale measurements. *Earthquake Engineering and Structural Dynamics*, **2000**, 29, 1845-1862	4	41
329	RANS simulation of neutral atmospheric boundary layer flows over complex terrain by proper imposition of boundary conditions and modification on the k-ε model. *Environmental Fluid Mechanics*, **2016**, 16, 1-23	2.2	40
328	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	3.7	40
327	Damping of tall buildings: its evaluation and probabilistic characteristics. *Structural Design of Tall Buildings*, **1999**, 8, 145-153		40
326	Wind tunnel and full-scale study of wind effects on a super-tall building. *Journal of Fluids and Structures*, **2015**, 58, 236-253	3.1	39
325	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	3.7	39
324	Postbuckling of cross-ply laminated cylindrical shells with piezoelectric actuators under complex loading conditions. *International Journal of Mechanical Sciences*, **2002**, 44, 1731-1754	5.5	38
323	Coupled on-site measurement/CFD based approach for high-resolution wind resource assessment over complex terrains. *Energy Conversion and Management*, **2016**, 117, 351-366	10.6	38
322	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		37
321	Prediction of wind-induced pressures on a large gymnasium roof using artificial neural networks. *Computers and Structures*, **2007**, 85, 179-192	4.5	36
320	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	3.1	36
319	Vibratory characteristics of flexural non-uniform Euler–Bernoulli beams carrying an arbitrary number of spring–mass systems. *International Journal of Mechanical Sciences*, **2002**, 44, 725-743	5.5	36
318	Modified independent modal space control of m.d.o.f. systems. *Journal of Sound and Vibration*, **2003**, 261, 421-441	3.9	35
317	Aerodynamic treatments for reduction of wind loads on high-rise buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 172, 107-115	3.7	35
316	Observations of vertical wind profiles of tropical cyclones at coastal areas. *Journal of Wind Engineering and Industrial Aerodynamics*, **2016**, 152, 1-14	3.7	34
315	Application of the response surface methods to solve inverse reliability problems with implicit response functions. *Computational Mechanics*, **2009**, 43, 451-459	4	34

314	Seismic response analysis of structures with velocity-dependent dampers. *Journal of Constructional Steel Research*, **2007**, 63, 628-638	3.8	34
313	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	3.9	34
312	Probability distributions of extreme wind speed and its occurrence interval. *Engineering Structures*, **2006**, 28, 1173-1181	4.7	33
311	Buckling of multi-step non-uniform beams with elastically restrained boundary conditions. *Journal of Constructional Steel Research*, **2001**, 57, 753-777	3.8	33
310	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	3.7	32
309	Analysis of load-transfer of single pile in layered soil. *Computers and Geotechnics*, **2004**, 31, 127-135	4.4	32
308	Exact solutions for buckling of non-uniform columns under axial concentrated and distributed loading. *European Journal of Mechanics, A/Solids*, **2001**, 20, 485-500	3.7	32
307	Gust factors for tropical cyclone, monsoon and thunderstorm winds. *Journal of Wind Engineering and Industrial Aerodynamics*, **2015**, 142, 1-14	3.7	31
306	Torsional dynamic wind loads on rectangular tall buildings. *Engineering Structures*, **2004**, 26, 129-137	4.7	31
305	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	2.4	31
304	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	3.7	30
303	Monitoring Wind Characteristics and Structural Performance of a Supertall Building during a Landfall Typhoon. *Journal of Structural Engineering*, **2016**, 142, 04016097	3	30
302	Free vibration analysis of cantilevered tall structures under various axial loads. *Engineering Structures*, **2000**, 22, 525-534	4.7	30
301	Prediction of wind loads on a large flat roof using fuzzy neural networks. *Engineering Structures*, **2006**, 28, 153-161	4.7	29
300	Field measurements of wind effects on the tallest building in Hong Kong. *Structural Design of Tall and Special Buildings*, **2003**, 12, 67-82	1.8	29
299	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	4.7	28
298	Experimental studies on shear lag of box girders. *Engineering Structures*, **2002**, 24, 469-477	4.7	28
297	Optimum positioning of actuators in tall buildings using genetic algorithm. *Computers and Structures*, **2003**, 81, 2823-2827	4.5	28

296	Field monitoring of boundary layer wind characteristics in urban area. *Wind and Structures, an International Journal*, **2009**, 12, 553-574		28
295	Vibratory Characteristics of Timoshenko Beams with Arbitrary Number of Cracks. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 1355-1359	2.4	27
294	Frequency domain analysis of fluid□structure interaction in liquid-filled pipe systems by transfer matrix method. *International Journal of Mechanical Sciences*, **2002**, 44, 2067-2087	5.5	27
293	Buckling of multi-step cracked columns with shear deformation. *Engineering Structures*, **2001**, 23, 356-364	4.7	27
292	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	3.7	26
291	Field measurements of wind pressures on a 600 m high skyscraper during a landfall typhoon and comparison with wind tunnel test. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 175, 391-407	3.7	25
290	Structural health monitoring for a 600□m high skyscraper. *Structural Design of Tall and Special Buildings*, **2018**, 27, e1490	1.8	25
289	Vibratory characteristics of multi-step beams with an arbitrary number of cracks and concentrated masses. *Applied Acoustics*, **2001**, 62, 691-706	3.1	25
288	Buckling Analysis of Multi-Step Non-Uniform Columns. *Advances in Structural Engineering*, **2000**, 3, 139-144	1.9	25
287	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	3.7	24
286	Wind tunnel study of wind-induced torques on L-shaped tall buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **2017**, 167, 41-50	3.7	24
285	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	3.7	24
284	A finite segment model for shear lag analysis. *Engineering Structures*, **2004**, 26, 2113-2124	4.7	24
283	Buckling of shallow spherical shells including the effects of transverse shear deformation. *International Journal of Mechanical Sciences*, **2003**, 45, 1519-1529	5.5	24
282	Experimental and numerical seismic investigations of the Three Gorges dam. *Engineering Structures*, **2005**, 27, 501-513	4.7	24
281	Random damping in buildings and its AR model. *Journal of Wind Engineering and Industrial Aerodynamics*, **1999**, 79, 159-167	3.7	24
280	Wind profiles of tropical cyclones as observed by Doppler wind profiler and anemometer. *Wind and Structures, an International Journal*, **2013**, 17, 419-433		24
279	3D aerodynamic admittances of streamlined box bridge decks. *Engineering Structures*, **2019**, 179, 321-331	4.7	24

278	Vertical wind profiles for typhoon, monsoon and thunderstorm winds. *Journal of Wind Engineering and Industrial Aerodynamics*, **2017**, 168, 190-199	3.7	23
277	Longitudinal vibration analysis of multi-span liquid-filled pipelines with rigid constraints. *Journal of Sound and Vibration*, **2004**, 273, 125-147	3.9	23
276	New control strategies for active tuned mass damper systems. *Computers and Structures*, **2004**, 82, 2341-2350	4.5	23
275	Optimal sensor locations for structural vibration measurements. *Applied Acoustics*, **2004**, 65, 807-818	3.1	23
274	Failure probability prediction of concrete components. *Cement and Concrete Research*, **2003**, 33, 1631-1636	3.3	23
273	Insights from Super Typhoon Mangkhut (1822) for wind engineering practices. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 203, 104238	3.7	22
272	Large eddy simulation of wind effects on a long-span complex roof structure. *Journal of Wind Engineering and Industrial Aerodynamics*, **2012**, 100, 1-18	3.7	22
271	Seismic random vibration analysis of tall buildings. *Engineering Structures*, **2004**, 26, 1767-1778	4.7	22
270	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	4	22
269	A multilevel genetic algorithm for the optimum design of structural control systems. *International Journal for Numerical Methods in Engineering*, **2002**, 55, 817-834	2.4	22
268	Exact solutions for longitudinal vibration of rods coupled by translational springs. *International Journal of Mechanical Sciences*, **2000**, 42, 1135-1152	5.5	22
267	Monitoring of wind effects on 600 m high Ping-An Finance Center during Typhoon Haima. *Engineering Structures*, **2018**, 167, 308-326	4.7	22
266	Identification of Wind Loads and Estimation of Structural Responses of Super-Tall Buildings by an Inverse Method. *Computer-Aided Civil and Infrastructure Engineering*, **2016**, 31, 966-982	8.4	21
265	Monitoring Structural Performance of a Supertall Building during 14 Tropical Cyclones. *Journal of Structural Engineering*, **2018**, 144, 04018176	3	21
264	Effects of amplitude-dependent damping and time constant on wind-induced responses of super tall building. *Computers and Structures*, **2007**, 85, 1165-1176	4.5	21
263	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	5.7	21
262	Nonlinear aeroelastic flutter and dynamic response of composite laminated cylindrical shell in supersonic air flow. *Composite Structures*, **2017**, 168, 474-484	5.3	20
261	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	3.7	20

260	Vortex-Induced Vibration Performance and Suppression Mechanism for a Long Suspension Bridge with Wide Twin-Box Girder. *Journal of Structural Engineering*, **2018**, 144, 04018202	3	20
259	Evaluation of 2D coupled galloping oscillations of slender structures. *Computers and Structures*, **1998**, 66, 513-523	4.5	20
258	Finite Segment Method for Shear Lag Analysis of Cable-Stayed Bridges. *Journal of Structural Engineering*, **2002**, 128, 1617-1622	3	20
257	Monitoring of dynamic behaviour of super-tall buildings during typhoons. *Structure and Infrastructure Engineering*, **2016**, 12, 289-311	2.9	19
256	Calculation of vertical dynamic characteristics of tall buildings with viscous damping. *International Journal of Solids and Structures*, **1998**, 35, 3165-3176	3.1	19
255	Detached-eddy and large-eddy simulations of wind effects on a high-rise structure. *Computers and Fluids*, **2017**, 150, 74-83	2.8	18
254	Aerodynamic characteristics of a long-span cable-stayed bridge under construction. *Engineering Structures*, **2019**, 184, 232-246	4.7	18
253	Spatiotemporal analysis of offshore wind field characteristics and energy potential in Hong Kong. *Energy*, **2020**, 201, 117622	7.9	18
252	A new approach for bending analysis of thin circular plates with large deflection. *International Journal of Mechanical Sciences*, **2004**, 46, 173-180	5.5	18
251	Prediction of load□settlement relationship for large-diameter piles. *Structural Design of Tall Buildings*, **2002**, 11, 285-293		18
250	Multi-level design model and genetic algorithm for structural control system optimization. *Earthquake Engineering and Structural Dynamics*, **2001**, 30, 927-942	4	18
249	Free longitudinal vibration analysis of multi-step non-uniform bars based on piecewise analytical solutions. *Engineering Structures*, **2000**, 22, 1205-1215	4.7	18
248	Wind tunnel test and field measurement study of wind effects on a 600-m-high super-tall building. *Structural Design of Tall and Special Buildings*, **2017**, 26, e1385	1.8	17
247	Aerodynamic performance of CAARC standard tall building model by various corner chamfers. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 202, 104197	3.7	17
246	Observational study of veering wind by Doppler wind profiler and surface weather station. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 178, 18-25	3.7	17
245	Monitoring and time-dependent analysis of vertical deformations of the tallest building in China. *Structural Control and Health Monitoring*, **2017**, 24, e1936	4.5	17
244	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	3.8	17
243	Observational study of wind characteristics, wind speed and turbulence profiles during Super Typhoon Mangkhut. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 206, 104362	3.7	17

242	Large-eddy simulation of wind effects on a super-tall building in urban environment conditions. *Structure and Infrastructure Engineering*, **2016**, 12, 765-785	2.9	16
241	Specifications and applications of the technical code for monitoring of building and bridge structures in China. *Advances in Mechanical Engineering*, **2017**, 9, 168781401668427	1.2	16
240	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	3.7	16
239	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	5	16
238	Wind effects on the world's longest spatial lattice structure: Loading characteristics and numerical prediction. *Journal of Constructional Steel Research*, **2007**, 63, 1341-1350	3.8	16
237	Buckling analysis of non-uniform bars with rotational and translational springs. *Engineering Structures*, **2003**, 25, 1289-1299	4.7	16
236	Flexural free vibration of cantilevered structures of variable stiffness and mass. *Structural Engineering and Mechanics*, **1999**, 8, 243-256		16
235	Optimal design of wind-induced vibration control of tall buildings and high-rise structures. *Wind and Structures, an International Journal*, **1999**, 2, 69-83		16
234	Across-wind dynamic loads on L-shaped tall buildings. *Wind and Structures, an International Journal*, **2016**, 23, 385-403		16
233	Characterising the fractal dimension of wind speed time series under different terrain conditions. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 201, 104165	3.7	15
232	A hybrid artificial neural network method with uniform design for structural optimization. *Computational Mechanics*, **2009**, 44, 61-71	4	15
231	Equivalent Static Wind Loads on Long-Span Roof Structures. *Journal of Structural Engineering*, **2008**, 134, 1115-1128	3	15
230	Eigenvalues of structures with uncertain elastic boundary restraints. *Applied Acoustics*, **2007**, 68, 350-363	3.1	15
229	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	1.9	15
228	Exact solutions for free longitudinal vibration of stepped non-uniform rods. *Applied Acoustics*, **2000**, 60, 13-28	3.1	15
227	Buckling of elastically restrained non-uniform columns. *Engineering Structures*, **2000**, 22, 1231-1243	4.7	15
226	Using neural networks to model and predict amplitude dependent damping in buildings. *Wind and Structures, an International Journal*, **1999**, 2, 25-40		15
225	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	3.7	14

224	Investigation of low-level jet characteristics based on wind profiler observations. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 174, 369-381	3.7	14
223	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	5.5	14
222	Nonlinear elastoplastic dynamic analysis of single-layer reticulated shells subjected to earthquake excitation. *Computers and Structures*, **2003**, 81, 177-188	4.5	14
221	Turbulence effects on surface pressures of rectangular cylinders. *Wind and Structures, an International Journal*, **1999**, 2, 253-266		14
220	Exact Solutions for the Generalized Euler Problem. *Journal of Applied Mechanics, Transactions ASME*, **2009**, 76,	2.7	13
219	Buckling of an elastically restrained multi-step non-uniform beam with multiple cracks. *Archive of Applied Mechanics*, **2002**, 72, 522-535	2.2	13
218	Shear lag analysis of beam-columns. *Engineering Structures*, **2003**, 25, 1131-1138	4.7	13
217	Analytical solutions for buckling of multi-step non-uniform columns with arbitrary distribution of flexural stiffness or axial distributed loading. *International Journal of Mechanical Sciences*, **2001**, 43, 349-366	5.5	13
216	FREE VIBRATION OF ELASTICALLY RESTRAINED FLEXURAL-SHEAR PLATES WITH VARYING CROSS-SECTION. *Journal of Sound and Vibration*, **2000**, 235, 63-85	3.9	13
215	Modelling of structural response and optimization of structural control system using neural network and genetic algorithm. *Structural Design of Tall Buildings*, **2000**, 9, 279-293		13
214	Experimental investigation of characteristics of torsional wind loads on rectangular tall buildings. *Structural Engineering and Mechanics*, **2014**, 49, 129-145		13
213	Toward modeling the spatial pressure field of tropical cyclones: Insights from Typhoon Hato (1713). *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 184, 378-390	3.7	12
212	Integrated wind-induced response analysis and design optimization of tall steel buildings using Micro-GA. *Structural Design of Tall and Special Buildings*, **2011**, 20, 951-971	1.8	12
211	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	3.8	12
210	Shallow rectangular TLD for structural control implementation. *Applied Acoustics*, **2002**, 63, 1125-1135	3.1	12
209	Negative Shear Lag Effect in Box Girderswith Varying Depth. *Journal of Structural Engineering*, **2001**, 127, 1236-1239	3	12
208	Optimum Design of Actively Controlled Structures Using Genetic Algorithms. *Advances in Structural Engineering*, **1999**, 2, 109-118	1.9	12
207	Field monitoring of wind effects on a super-tall building during typhoons. *Wind and Structures, an International Journal*, **2011**, 14, 253-283		12

206	Observational study on thermodynamic and kinematic structures of Typhoon Vicente (2012) at landfall. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 172, 280-297	3.7	12
205	Eliminating Beating Effects in Damping Estimation of High-Rise Buildings. *Journal of Engineering Mechanics - ASCE*, **2019**, 145, 04019102	2.4	11
204	Decision framework for optimal installation of outriggers in tall buildings. *Automation in Construction*, **2018**, 93, 200-213	9.6	11
203	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	4.5	11
202	Large Eddy Simulations of Wind-Driven Rain on Tall Building Facades. *Journal of Structural Engineering*, **2012**, 138, 967-983	3	11
201	Recursive approach for random response analysis using non-orthogonal polynomial expansion. *Computational Mechanics*, **2009**, 44, 309-320	4	11
200	Longitudinal vibration of multi-step non-uniform structures with lumped masses and spring supports. *Applied Acoustics*, **2002**, 63, 333-350	3.1	11
199	The stochastic finite segment in the analysis of the shear-lag effect on box-girders. *Engineering Structures*, **2001**, 23, 1461-1468	4.7	11
198	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	3.1	11
197	Free vibration analysis of multi-storey buildings with narrow rectangular plane configuration. *Engineering Structures*, **1999**, 21, 507-518	4.7	11
196	Wind-induced response based optimal design of irregular shaped tall buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **2016**, 155, 197-207	3.7	11
195	Monitoring wind effects of a landfall typhoon on a 600 m high skyscraper. *Structure and Infrastructure Engineering*, **2019**, 15, 54-71	2.9	11
194	Investigation of wind effect reduction on square high-rise buildings by corner modification. *Advances in Structural Engineering*, **2019**, 22, 1488-1500	1.9	11
193	Nonlinear dynamics of a foldable multibeam structure with one to two internal resonances. *International Journal of Mechanical Sciences*, **2019**, 150, 369-378	5.5	11
192	Time-frequency analysis of structural dynamic characteristics of tall buildings. *Structure and Infrastructure Engineering*, **2015**, 11, 971-989	2.9	10
191	Damping estimation of high-rise buildings considering structural modal directions. *Earthquake Engineering and Structural Dynamics*, **2020**, 49, 543-566	4	10
190	Reliability analysis of long span steel arch bridges against wind-induced stability failure. *Journal of Wind Engineering and Industrial Aerodynamics*, **2009**, 97, 132-139	3.7	10
189	Decoupling control law for structural control implementation. *International Journal of Solids and Structures*, **2001**, 38, 6147-6162	3.1	10

188	Dynamic behavior of multistep cracked beams with varying cross section. *Journal of the Acoustical Society of America*, **2001**, 109, 3072-3075	2.2	10
187	Field measurements of wind and structural responses of a 70-storey tall building under typhoon conditions. *Structural Design of Tall Buildings*, **2000**, 9, 325-342		10
186	An evaluation of onset wind velocity for 2D coupled galloping oscillations of tower buildings. *Journal of Wind Engineering and Industrial Aerodynamics*, **1993**, 50, 329-339	3.7	10
185	Evaluation of structural dynamic responses by stochastic finite element method. *Structural Engineering and Mechanics*, **1999**, 8, 477-490		10
184	Dynamic Behavior of Supertall Building with Active Control System during Super Typhoon Mangkhut. *Journal of Structural Engineering*, **2020**, 146, 04020077	3	9
183	Identification of modal parameters of a 600-m-high skyscraper from field vibration tests. *Earthquake Engineering and Structural Dynamics*, **2019**, 48, 1678-1698	4	9
182	Monitoring of wind effects on a low-rise building during typhoon landfalls and comparison to wind tunnel test results. *Structural Control and Health Monitoring*, **2014**, 21, 1360-1386	4.5	9
181	Concise formula for the critical buckling stresses of an elastic plate under biaxial compression and shear. *Journal of Constructional Steel Research*, **2009**, 65, 1507-1510	3.8	9
180	Membrane forces acting on thin-walled box girders considering shear lag effect. *Thin-Walled Structures*, **2004**, 42, 741-757	4.7	9
179	Large eddy simulation of wind effects on a super-tall building. *Wind and Structures, an International Journal*, **2010**, 13, 557-580		9
178	Investigation of chaotic features of surface wind speeds using recurrence analysis. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 210, 104550	3.7	9
177	Monitoring of Near-Surface Winds and Wind Pressures on an Instrumented Low-Rise Building during Super Typhoon Rammasun. *Journal of Structural Engineering*, **2019**, 145, 04018255	3	9
176	Estimation of roughness length at Hong Kong International Airport via different micrometeorological methods. *Journal of Wind Engineering and Industrial Aerodynamics*, **2017**, 171, 121-136	3.7	8
175	Nonlinear Dynamics of a Fluid–Structure Coupling Model for Vortex-Induced Vibration. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950071	1.9	8
174	Multiobjective Equivalent Static Wind Loads on Complex Tall Buildings Using Non-Gaussian Peak Factors. *Journal of Structural Engineering*, **2015**, 141, 04015033	3	8
173	Identification of wind loads on super-tall buildings by Kalman filter. *Computers and Structures*, **2018**, 208, 105-117	4.5	8
172	Stability of non-uniform columns under the combined action of concentrated follower forces and variably distributed loads. *Journal of Constructional Steel Research*, **2008**, 64, 367-376	3.8	8
171	Moving Least-Squares Differential Quadrature Method for Free Vibration of Antisymmetric Laminates. *Journal of Engineering Mechanics - ASCE*, **2004**, 130, 1447-1457	2.4	8

170	Torsional vibration of multi-step non-uniform rods with various concentrated elements. *Journal of Sound and Vibration*, **2003**, 260, 637-651	3.9	8
169	A computational approach for free vibration of non-uniform flexural–shear plates. *Computer Methods in Applied Mechanics and Engineering*, **2000**, 190, 3-23	5.7	8
168	Exact Solutions for Longitudinal Vibration of Multi-Step Bars with Varying Cross-Section. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2000**, 122, 183-187	1.6	8
167	Simplified formulas for evaluation of across-wind dynamic responses of rectangular tall buildings. *Wind and Structures, an International Journal*, **2005**, 8, 197-212		8
166	Large eddy simulation of wind loads on a long-span spatial lattice roof. *Wind and Structures, an International Journal*, **2010**, 13, 57-82		8
165	Investigation of the effects of free-stream turbulence on wind-induced responses of tall building by Large Eddy Simulation. *Wind and Structures, an International Journal*, **2014**, 18, 599-618		8
164	Wind pressure characteristics of a low-rise building with various openings on a roof corner. *Wind and Structures, an International Journal*, **2015**, 21, 1-23		8
163	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	3.7	8
162	Experimental Study of Across-Wind Aerodynamic Behavior of a Bridge Tower. *Journal of Bridge Engineering*, **2019**, 24, 04018116	2.7	8
161	Monitoring of structural modal parameters and dynamic responses of a 600m-high skyscraper during a typhoon. *Structural Design of Tall and Special Buildings*, **2018**, 27, e1456	1.8	8
160	Analysis of Flutter and Nonlinear Dynamics of a Composite Laminated Plate. *International Journal of Structural Stability and Dynamics*, **2016**, 16, 1550019	1.9	7
159	A height-resolving model of tropical cyclone pressure field. *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 186, 84-93	3.7	7
158	A comparison of micrometeorological methods for marine roughness estimation at a coastal area. *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 195, 104010	3.7	7
157	Estimation of wind loads on a tall building by an inverse method. *Structural Control and Health Monitoring*, **2017**, 24, e1908	4.5	7
156	Model test and numerical analysis of a special joint for a truss bridge. *Journal of Constructional Steel Research*, **2009**, 65, 1261-1268	3.8	7
155	Spectral characteristics and correlation of dynamic wind forces on a super-tall building. *Structural Design of Tall and Special Buildings*, **2008**, 17, 471-489	1.8	7
154	Four-node incompatible plane and axisymmetric elements with quadratic completeness in the physical space. *International Journal for Numerical Methods in Engineering*, **2004**, 61, 1603-1624	2.4	7
153	Shallow cylindrical tuned liquid damper for vibration control of high-rise structures. *Structural Design of Tall Buildings*, **2002**, 11, 295-308		7

152	Time-dependent reliability analysis of glass cladding under wind action. *Engineering Structures*, **2005**, 27, 1599-1612	4.7	7
151	Exact solutions for free vibration of shear-type structures with arbitrary distribution of mass or stiffness. *Journal of the Acoustical Society of America*, **2001**, 110, 1958-66	2.2	7
150	A New Exact Approach for Analyzing Free Vibration of SDOF Systems with Nonperiodically Time Varying Parameters. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2000**, 122, 175-179	1.6	7
149	Vibration analysis of flexural-shear plates with varying cross-section. *International Journal of Solids and Structures*, **2000**, 37, 1339-1360	3.1	7
148	An Exact Approach for Free Flexural Vibrations of Multistep Nonuniform Beams. *JVC/Journal of Vibration and Control*, **2000**, 6, 963-983	2	7
147	Field measurements of wind characteristics over hilly terrain within surface layer. *Wind and Structures, an International Journal*, **2014**, 19, 541-563		7
146	Dynamic Characterization of Wind Speed under Extreme Conditions by Recurrence-Based Techniques: Comparative Study. *Journal of Aerospace Engineering*, **2021**, 34, 04020114	1.4	7
145	Monitoring of wind effects on an instrumented low-rise building during the landfall of a severe tropical storm. *Structural Control and Health Monitoring*, **2017**, 24, e1917	4.5	6
144	Observation and Real-Time Simulation of a Tornado Event in Hong Kong on 29 August 2018. *Advances in Meteorology*, **2019**, 2019, 1-13	1.7	6
143	Seasonal and diurnal variation of marine wind characteristics based on lidar measurements. *Meteorological Applications*, **2020**, 27, e1918	2.1	6
142	Characteristics of Wind Structure and Nowcasting of Gust Associated with Subtropical Squall Lines over Hong Kong and Shenzhen, China. *Atmosphere*, **2020**, 11, 270	2.7	6
141	Standardization of Offshore Surface Wind Speeds. *Journal of Applied Meteorology and Climatology*, **2016**, 55, 1107-1121	2.7	6
140	Wind effects on the world's tallest reinforced concrete building. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2010**, 163, 97-110	0.9	6
139	A new dynamic one-equation subgrid-scale model for large eddy simulations. *International Journal for Numerical Methods in Engineering*, **2009**, 81, n/a-n/a	2.4	6
138	Effects of a vectored trailing edge jet on delta wing vortex breakdown. *Experiments in Fluids*, **2003**, 34, 651-654	2.5	6
137	Nonlinear analysis of plate–truss composite steel girders. *Engineering Structures*, **2003**, 25, 1377-1385	4.7	6
136	Reduced order control for wind-induced vibrations of tall buildings. *Structural Design of Tall and Special Buildings*, **2003**, 12, 177-190	1.8	6
135	A modified finite segment method for thin-walled single-cell box girders with shear lag. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2001**, 146, 41-46	0.9	6

134	Stability of tall buildings with shear-wall structures. *Engineering Structures*, **2001**, 23, 1177-1185	4.7	6
133	Free vibration of SDOF systems with arbitrary time-varying coefficients. *International Journal of Mechanical Sciences*, **2001**, 43, 759-770	5.5	6
132	Vibratory characteristics of multistep nonuniform orthotropic shear plates with line spring supports and line masses. *Journal of the Acoustical Society of America*, **2001**, 110, 1360-70	2.2	6
131	Comparison between wind load by wind tunnel test and in-site measurement of long-span spatial structure. *Wind and Structures, an International Journal*, **2011**, 14, 301-319		6
130	Full-Scale Measurements of Wind Pressures on a Low-Rise Building during Typhoons and Comparison with Wind Tunnel Test Results and Aerodynamic Database. *Journal of Structural Engineering*, **2020**, 146, 04020196	3	6
129	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	3.7	6
128	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	3.7	6
127	Dynamic analysis of meteorological time series in Hong Kong: A nonlinear perspective. *International Journal of Climatology*, **2021**, 41, 4920-4932	3.5	6
126	A fast partition method for wind pressure coefficient of large-span roof based on modified GK clustering. *Structures*, **2021**, 30, 518-530	3.4	6
125	Effects of time-variant modal frequencies of high-rise buildings on damping estimation. *Earthquake Engineering and Structural Dynamics*, **2021**, 50, 394-414	4	6
124	Characterization of daily rainfall variability in Hong Kong: A nonlinear dynamic perspective. *International Journal of Climatology*, **2021**, 41, E2913	3.5	6
123	Impact of a Fifty-Year-Recurrence Super Typhoon on Skyscrapers in Hong Kong: Large-Scale Field Monitoring Study. *Journal of Structural Engineering*, **2021**, 147, 04021004	3	6
122	Wind tunnel study of separated and reattaching flows by particle image velocimetry and pressure measurements. *Advances in Structural Engineering*, **2019**, 22, 1769-1782	1.9	5
121	Hermite Extreme Value Estimation of Non-Gaussian Wind Load Process on a Long-Span Roof Structure. *Journal of Structural Engineering*, **2014**, 140, 04014061	3	5
120	Analytical Evaluation of Dynamic Responses of Time-varying Systems. *JVC/Journal of Vibration and Control*, **2009**, 15, 1123-1142	2	5
119	Free longitudinal vibrations of tall buildings and high-rise structures. *Structural Design of Tall Buildings*, **1998**, 7, 167-176		5
118	Exact solutions for free vibration of multi-step orthotropic shear plates. *Structural Engineering and Mechanics*, **2000**, 9, 269-288		5
117	Non-spillover control design of tall buildings in modal space. *Wind and Structures, an International Journal*, **1999**, 2, 189-200		5

116	Monitoring of wind effects on an instrumented low-rise building during severe tropical storm. *Wind and Structures, an International Journal*, **2015**, 20, 469-488		5
115	Field monitoring and wind tunnel study of wind effects on roof overhang of a low-rise building. *Structural Control and Health Monitoring*, **2020**, 27, e2484	4.5	5
114	Prediction Models for Modal Parameters of Supertall Buildings Based on Field Measurements. *Journal of Structural Engineering*, **2020**, 146, 06019004	3	5
113	Wind-resistant optimal design of tall buildings based on improved genetic algorithm. *Structures*, **2020**, 27, 2182-2191	3.4	5
112	Investigation of Marine Wind Veer Characteristics Using Wind Lidar Measurements. *Atmosphere*, **2020**, 11, 1178	2.7	5
111	Mitigation of Wind-Induced Vibration of a 600m High Skyscraper. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950015	1.9	5
110	Reduced gust factor for extreme tropical cyclone winds over ocean. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 208, 104445	3.7	5
109	Dynamic Wind Load Combination for a Tall Building Based on Copula Functions. *International Journal of Structural Stability and Dynamics*, **2017**, 17, 1750092	1.9	4
108	Some observations of low level wind shear at the Hong Kong International Airport in association with tropical cyclones. *Meteorological Applications*, **2020**, 27, e1898	2.1	4
107	Analytical 3-D p-element for quadrilateral plates—Part 1: Thick isotropic plate structures. *Journal of Sound and Vibration*, **2007**, 303, 171-184	3.9	4
106	A spatial displacement model for skewed multi-rib T-beams. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2003**, 156, 227-233	0.9	4
105	Non-conservative stability of multi-step non-uniform columns. *International Journal of Solids and Structures*, **2002**, 39, 2387-2399	3.1	4
104	Calculation of Moments on Top Slab in Single-Cell Box Girders. *Journal of Structural Engineering*, **2003**, 129, 130-134	3	4
103	A spatial elastic displacement model for curved box girders with corner stiffeners. *Computers and Structures*, **2005**, 83, 1021-1029	4.5	4
102	Semi-active control devices in structural control implementation. *Structural Design of Tall and Special Buildings*, **2005**, 14, 165-174	1.8	4
101	The quintic finite element and finite strip with generalized degrees of freedom in structural analysis. *International Journal of Solids and Structures*, **2001**, 38, 5355-5372	3.1	4
100	Forced Vibrations of Single-Degree-of-Freedom Systems with Nonperiodically Time-Varying Parameters. *Journal of Engineering Mechanics - ASCE*, **2002**, 128, 1267-1275	2.4	4
99	Evaluation of Wind-Induced Vibration Of Tall Buildings and Reliability Analysis: A Case Study. *HKIE Transactions*, **2000**, 7, 47-50	2.9	4

98	Classes of exact solutions for several static and dynamic problems of non-uniform beams. *Structural Engineering and Mechanics*, **2001**, 12, 85-100		4
97	Wind effects on a large cantilevered flat roof: loading characteristics and strategy of reduction. *Wind and Structures, an International Journal*, **2005**, 8, 357-372		4
96	A comprehensive study of terrain-disrupted airflow at Hong Kong International Airport observations and numerical simulations. *Weather*, **2020**, 75, 199-206	0.9	4
95	Modal Identification from Non-Stationary Responses of High-Rise Buildings by Variational Mode Decomposition and Direct Interpolation Techniques. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2050115	1.9	4
94	Standardization of marine surface wind speeds at coastal islands. *Ocean Engineering*, **2020**, 213, 107652	3.9	4
93	Characterization of vertical wind velocity variability based on fractal dimension analysis. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 213, 104608	3.7	4
92	Accurate determination of reference wind speed and reference static pressure in wind tunnel tests. *Advances in Structural Engineering*, **2020**, 23, 578-583	1.9	4
91	Comparative study of full-scale and model-scale wind pressure measurements on a gable roof low-rise building. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 208, 104448	3.7	4
90	Aerodynamic pressures on a 5:1 rectangular cylinder in sinusoidal streamwise oscillatory flows with non-zero mean velocities. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 208, 104440	3.7	4
89	Evaluations of Coupled Transverse-Rotational Galloping of Slender Structures with Nonlinear Effect. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950143	1.9	3
88	Experimental study on wind load characteristics of high-rise buildings with opening. *Structural Design of Tall and Special Buildings*, **2020**, 29, e1734	1.8	3
87	Research on the characteristics of wind pressures on L-shaped tall buildings. *Advances in Structural Engineering*, **2020**, 23, 2070-2085	1.9	3
86	Large eddy simulation of wind-driven rain effects on a large span retractable roof stadium. *Journal of Wind Engineering and Industrial Aerodynamics*, **2019**, 195, 104009	3.7	3
85	Failure Patterns and Ultimate Load-Carrying Capacity Evolution of a Prestressed Concrete Cable-Stayed Bridge: Case Study. *Advances in Structural Engineering*, **2013**, 16, 1283-1296	1.9	3
84	A biorthogonality relationship for three-dimensional couple stress problem **2009**, 52, 270-276		3
83	Nonlinear Analysis of Single-Layer Reticulated Spherical Shells Under Static and Dynamic Loads. *JVC/Journal of Vibration and Control*, **2004**, 10, 731-754	2	3
82	Fuzzy variational principle and its applications. *European Journal of Mechanics, A/Solids*, **2002**, 21, 999-1018	3.7	3
81	Dynamic characteristics of single-layer cylindrical lattice shells. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2005**, 158, 41-51	0.9	3

80	Health dynamic measurement of tall building using wireless sensor network **2005**,		3
79	Stability of Tapered Columns Under End-Concentrated and Variably Distributed Follower Forces. *AIAA Journal*, **2002**, 40, 1250-1252	2.1	3
78	Dynamic response and reliability analysis of random structures. *Applied Mathematics and Mechanics (English Edition)*, **1993**, 14, 983-991	3.2	3
77	Large-eddy simulation of the inflow turbulence transport and aerodynamics of a rectangular 5:1 cylinder with high-order numerical methods. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 207, 104366	3.7	3
76	Revisiting Typhoon York (9915) at landfall. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 211, 104583	3.7	3
75	Numerical Simulation of Wind-Driven Rain on a Long-Span Bridge. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950149	1.9	3
74	Reliability analysis of damping estimation by random decrement technique for high-rise buildings. *Earthquake Engineering and Structural Dynamics*, **2021**, 50, 1251-1270	4	3
73	The unsteady lift of an oscillating airfoil encountering a sinusoidal streamwise gust. *Journal of Fluid Mechanics*, **2021**, 908,	3.7	3
72	Characteristics and Vertical Profiles of Mean Wind and Turbulence for Typhoon, Monsoon, and Thunderstorm Winds. *Journal of Structural Engineering*, **2021**, 147, 04021188	3	3
71	Wind-induced interference effects between twin tapered skyscrapers. *Structural Design of Tall and Special Buildings*, **2019**, 28, e1594	1.8	2
70	Monitoring of wind pressures on gable roof of a low-rise building during tropical cyclones and comparisons with wind tunnel test results. *Structural Control and Health Monitoring*, **2019**, 26, e2380	4.5	2
69	Field measurements of Tropical Storm Aere (1619) via airborne GPS-dropsondes over the South China Sea. *Meteorological Applications*, **2020**, 27, e1958	2.1	2
68	Full-Space Response Surface Method for Analysis of Structural Reliability. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2050096	1.9	2
67	Identification of Wind Loads on Supertall Buildings Using Kalman Filtering Based Inverse Method. *Journal of Structural Engineering*, **2017**, 143, 06016004	3	2
66	Buckling analysis of a cable-stayed circular frame. *Journal of Constructional Steel Research*, **2010**, 66, 420-427	3.2	2
65	Vibration analysis of tall buildings with narrow rectangular plane configuration. *Structural Design of Tall Buildings*, **1998**, 7, 307-322		2
64	An efficient method for the solution of Riccati equation in structural control implementation. *Applied Acoustics*, **2002**, 63, 1215-1232	3.1	2
63	Serviceability of a 79-storey tall building under typhoon conditions. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2005**, 158, 219-228	0.9	2

62	The quadratic finite element/strip with generalized degrees of freedom and their application. *Finite Elements in Analysis and Design*, **2001**, 37, 325-339	2.2	2
61	An Exact Approach For Free Vibration Analysis of Multi-Step Nonuniform Shear Plates. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2002**, 124, 141-149	1.6	2
60	Buckling of Flexural-Shear Plates. *Journal of Structural Engineering*, **2000**, 126, 1466-1474	3	2
59	Model Reduction of High-Rise Structures based on a Dynamic Condensation Method. *Advances in Structural Engineering*, **1999**, 2, 329-334	1.9	2
58	Free Vibration Analysis of Shear-Type Buildings. *Advances in Structural Engineering*, **1999**, 2, 163-172	1.9	2
57	Evaluation of vertical dynamic characteristics of cantilevered tall structures. *Structural Engineering and Mechanics*, **2001**, 11, 357-372		2
56	Developments and applications of a modified wall function for boundary layer flow simulations. *Wind and Structures, an International Journal*, **2013**, 17, 361-377		2
55	Dynamic characteristics of single-layer cylindrical lattice shells. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2005**, 158, 41-51	0.9	2
54	Large eddy simulation of the atmospheric boundary layer to investigate the Coriolis effect on wind and turbulence characteristics over different terrains. *Journal of Wind Engineering and Industrial Aerodynamics*, **2022**, 220, 104845	3.7	2
53	Spectral characteristics of surface atmosphere in range of macroscale to microscale at Hong Kong. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 208, 104446	3.7	2
52	Modelling of turbulent dispersion for numerical simulation of wind-driven rain on bridges. *Environmental Fluid Mechanics*, **2018**, 18, 1463-1489	2.2	2
51	Multipoint Synchronous Monitoring of Cladding Pressures on a 600-m-High Skyscraper during Super Typhoon Mangkhut 2018. *Journal of Structural Engineering*, **2021**, 147,	3	2
50	Case studies of springtime fog in Hong Kong. *Weather*, **2019**, 74, 60-67	0.9	1
49	Analysis of a waterspout at Zhuhai, China, on June 12, 2019. *Meteorological Applications*, **2020**, 27, e1904	2.1	1
48	Experimental investigation of the protective effect of wind barriers on high-speed railway bridge in inland strong wind area. *Advances in Structural Engineering*, **2019**, 22, 3306-3318	1.9	1
47	Quality and applications of wind data from sound detection and ranging (SODAR) equipment and microwave wind profilers. *Weather*, **2019**, 74, S76	0.9	1
46	Experimental Investigation of the Wind Pressure Distribution and Wind Interference Effects on a Typical Tall Building. *Advanced Materials Research*, **2013**, 639-640, 444-451	0.5	1
45	PERFORMANCE VARIATIONS OF A CABLE-STAYED BRIDGE WITH DAMAGED CABLES. *International Journal of Structural Stability and Dynamics*, **2013**, 13, 1250083	1.9	1

44	Characteristics of Wind Loads on Long-Span Roof. *Applied Mechanics and Materials*, **2012**, 204-208, 807-812	0.3	1
43	Stability of Nonuniform Cracked Bars Under Arbitrarily Distributed Axial Loading. *AIAA Journal*, **2004**, 42, 168-174	2.1	1
42	Free Vibration Analysis of Flexural-Shear Plates Under the Action of Axial Forces. *Advances in Structural Engineering*, **1999**, 2, 305-319	1.9	1
41	City-Scale Typhoon Hazard Analysis and Field Monitoring of Wind Effects on Skyscrapers during Super Typhoon Mangkhut. *Journal of Structural Engineering*, **2022**, 148,	3	1
40	Nonlinear analysis of interaction between flexible pile group and soil. *Structural Engineering and Mechanics*, **2005**, 20, 575-587		1
39	Evaluation of wind loads and wind induced responses of a super-tall building by large eddy simulation. *Wind and Structures, an International Journal*, **2016**, 23, 313-350		1
38	Control performance of active tuned mass damper for mitigating wind-induced vibrations of a 600-m-tall skyscraper. *Journal of Building Engineering*, **2022**, 45, 103646	5.2	1
37	Torsional Vibration of Non-Uniform Shafts Carrying an Arbitrary Number of Rigid Disks. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2002**, 124, 656-659	1.6	1
36	Observations of wind and turbulence structures of Super Typhoons Hato and Mangkhut over land from a 356□m high meteorological tower. *Atmospheric Research*, **2022**, 265, 105910	5.4	1
35	Refined Mathematical Models for Across-Wind Loads of Rectangular Tall Buildings with Aerodynamic Modifications. *International Journal of Structural Stability and Dynamics*, **2021**, 21, 2150131	1.9	1
34	Effect of sinusoidal vertical gust on the pressure distributions on and flow structures around a rectangular cylinder. *Experiments in Fluids*, **2021**, 62, 1	2.5	1
33	Wind Tunnel Investigations of Aeroelastic Electricity Transmission Tower under Synoptic and Typhoon Winds. *Journal of Aerospace Engineering*, **2021**, 34, 04020102	1.4	1
32	Field measurement and validation of structural dynamic parameters of skyscrapers under super typhoon excitation. *Journal of Civil Structural Health Monitoring*, **2021**, 11, 609-627	2.9	1
31	Experimental investigation of wind loads on wind turbine blade under various turbulent flows. *Advances in Structural Engineering*,136943322110401	1.9	1
30	Experimental investigation of wind pressure characteristics and aerodynamic optimization of a large-span cantilevered roof. *Structures*, **2021**, 34, 303-313	3.4	1
29	Dynamic analysis of non-uniform beams and plates by finite elements with generalized degrees of freedom. *International Journal of Mechanical Sciences*, **2003**, 45, 813-830	5.5	0
28	Investigation of time-varying structural dynamic properties of high-rise buildings under typhoon conditions. *Journal of Building Engineering*, **2022**, 46, 103796	5.2	0
27	Study of Wind Loads and Wind Speed Amplifications on High-Rise Building with Opening by Numerical Simulation and Wind Tunnel Test. *Advances in Civil Engineering*, **2020**, 2020, 1-24	1.3	0

26	Monitoring of wind effects on a super-tall building during multiple typhoons and validation of wind tunnel testing techniques. *Structure and Infrastructure Engineering*, **2020**, 1-17	2.9	0
25	Reduced Sea-Surface Roughness Length at a Coastal Site. *Atmosphere*, **2021**, 12, 991	2.7	0
24	Identification of modal parameters from non-stationary responses of high-rise buildings. *Advances in Structural Engineering*,136943322110339	1.9	0
23	Observation and numerical simulation of a weak waterspout at Hong Kong International Airport. *Meteorological Applications*, **2021**, 28, e1975	2.1	0
22	Characterization of Wind Gusts: A Study Based on Meteorological Tower Observations. *Applied Sciences (Switzerland)*, **2022**, 12, 2105	2.6	0
21	Modal identification of high-rise buildings under earthquake excitations via an improved subspace methodology. *Journal of Building Engineering*, **2022**, 52, 104373	5.2	0
20	Predicting roof-surface wind pressure induced by conical vortex using a BP neural network combined with POD. *Building Simulation*, **2022**, 15, 1475-1490	3.9	0
19	Nonstationary near-ground wind characteristics and wind-induced pressures on the roof of a low-rise building during a typhoon. *Journal of Building Engineering*, **2022**, 104492	5.2	0
18	Characterizing coastal wind energy resources based on sodar and microwave radiometer observations. *Renewable and Sustainable Energy Reviews*, **2022**, 163, 112498	16.2	0
17	Wind tunnel study of odor impact and air ventilation assessments for relocating sewage treatment works to caverns. *Journal of Wind Engineering and Industrial Aerodynamics*, **2015**, 145, 152-165	3.7	
16	Characteristics of Wind Loads Acting on Complex Long-Span Roof Structure. *Advanced Materials Research*, **2013**, 639-640, 523-529	0.5	
15	Wind Load Characteristics of Tall Building with Atrium. *Advanced Materials Research*, **2013**, 639-640, 515-522	0.5	
14	Research on Machanical Behavior of T-Shaped Concrete-Filled Steel Tubular Stub Columns with Steel Bone. *Advanced Materials Research*, **2013**, 639-640, 1077-1082	0.5	
13	Experimental Investigation of Wind Loads on Fish-Shaped Roof Structures. *Advanced Materials Research*, **2013**, 639-640, 434-443	0.5	
12	Buckling of Non-Uniform Columns with an Arbitrary Number of Cracks. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2006**, 220, 773-783	1.3	
11	A new approach for bending analysis of thin circular plates with large deflection. *International Journal of Mechanical Sciences*, **2004**, 46, 173-173	5.5	
10	Free vibration of flexural-shear plates. *Computers and Structures*, **2000**, 76, 663-674	4.5	
9	Calculation of Free Vibration of Multistep Shear Plates. *JVC/Journal of Vibration and Control*, **2000**, 6, 509-530	2	

8	Observation of vertical eddy diffusivity and mixing length during landfalling Super Typhoons. *Journal of Wind Engineering and Industrial Aerodynamics*, **2021**, 219, 104816	3.7
7	Analysis of multi-braced earth retaining structures. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2003**, 156, 307-318	0.9
6	A spatial displacement model for skewed multi-rib T-beams. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2003**, 156, 227-233	0.9
5	Stability of multi-step flexural-shear plates with varying cross-section. *Structural Engineering and Mechanics*, **2003**, 16, 597-612	
4	Influence of atmospheric stability on air ventilation and thermal stress in a compact urban site by large eddy simulation. *Building and Environment*, **2022**, 216, 109049	6.5
3	Dynamic characterization of wind pressure fluctuations in separated and reattaching flows. *Advances in Structural Engineering*,136943322210866	1.9
2	Machine learning based algorithms for wind pressure prediction of high-rise buildings. *Advances in Structural Engineering*,136943322210926	1.9
1	Vortex-induced vibration characteristics of two open girders: A comparison of experimental and numerical investigation. *Advances in Structural Engineering*,136943322211012	1.9