

Wei Cui

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

439
citations

840585

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times ranked

193
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of long-span suspension bridge erection procedure considering flutter risk in mixed extreme wind events. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022, 222, 104889.	1.7	8
2	Non-Gaussian turbulence induced buffeting responses of long-span bridges based on state augmentation method. <i>Engineering Structures</i> , 2022, 254, 113774.	2.6	7
3	Bayesian spectral density approach for identification of bridge section's flutter derivatives operated in turbulent flow. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108782.	4.4	4
4	Aerodynamics and aeroelastic performance of a rigid-frame bridge with a bluff body girder subjected to short-rise-time gusts. <i>Engineering Structures</i> , 2022, 263, 114376.	2.6	6
5	Life-Cycle Assessment of Long-Span Bridge's Wind Resistant Performance Considering Multisource Time-Variant Effects and Uncertainties. <i>Journal of Structural Engineering</i> , 2022, 148, .	1.7	5
6	Improved state augmentation method for buffeting analysis of structures subjected to non-stationary wind. <i>Probabilistic Engineering Mechanics</i> , 2022, 69, 103309.	1.3	5
7	Bayesian inference based parametric identification of vortex-excited force using on-site measured vibration data on a long-span bridge. <i>Engineering Structures</i> , 2022, 266, 114597.	2.6	5
8	Bayesian optimization of typhoon full-track simulation on the Northwestern Pacific segmented by QuadTree decomposition. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 208, 104428.	1.7	9
9	Data-Based Windstorm Type Identification Algorithm and Extreme Wind Speed Prediction. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	9
10	Non-Gaussian Turbulence Induced Buffeting Responses of Long-Span Bridges. <i>Journal of Bridge Engineering</i> , 2021, 26, 04021057.	1.4	11
11	Probabilistic flutter analysis of a long-span bridge in typhoon-prone regions considering climate change and structural deterioration. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 215, 104701.	1.7	14
12	Extreme Typhoon Wind Speed Mapping for Coastal Region of China: Geographically Weighted Regression's Based Circular Subregion Algorithm. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	31
13	Performance-Based Wind Engineering of Tall Buildings Examining Life-Cycle Downtime and Multisource Wind Damage. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	28
14	Time-cost trade-off analysis for wind-induced inhabitability of tall buildings equipped with tuned mass dampers. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 207, 104394.	1.7	5
15	A novel forced motion apparatus with potential applications in structural engineering. <i>Journal of Zhejiang University: Science A</i> , 2020, 21, 593-608.	1.3	9
16	Optimal structural design searching algorithm for cooling towers based on typical adverse wind load patterns. <i>Thin-Walled Structures</i> , 2020, 151, 106740.	2.7	8
17	A new stochastic formulation for synthetic hurricane simulation over the North Atlantic Ocean. <i>Engineering Structures</i> , 2019, 199, 109597.	2.6	15
18	Wind-resistant design and safety evaluation of cooling towers by reinforcement area criterion. <i>Engineering Structures</i> , 2019, 193, 281-294.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Measurement, modeling and simulation of wind turbulence in typhoon outer region. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 195, 104021.	1.7	27
20	A fully-coupled generalized model for multi-directional wind loads on tall buildings: A development of the quasi-steady theory. Journal of Fluids and Structures, 2018, 78, 52-68.	1.5	16
21	A unified framework for performance-based wind engineering of tall buildings in hurricane-prone regions based on lifetime intervention-cost estimation. Structural Safety, 2018, 73, 75-86.	2.8	46
22	Examination of experimental variability in HFFB testing of a tall building under multi-directional winds. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 171, 34-49.	1.7	32
23	Physics-Based Method for the Removal of Spurious Resonant Frequencies in High-Frequency Force Balance Tests. Journal of Structural Engineering, 2016, 142, .	1.7	12
24	Exploring hurricane wind speed along US Atlantic coast in warming climate and effects on predictions of structural damage and intervention costs. Engineering Structures, 2016, 122, 209-225.	2.6	57
25	Simulation and analysis of intervention costs due to wind-induced damage on tall buildings. Engineering Structures, 2015, 87, 183-197.	2.6	61