

Yi Hui

List of Publications by Year in descending order

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35
papers

529
citations

623734

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677142

22
g-index

35
all docs

35
docs citations

35
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and modal analysis of suspension bridge based on continual formula method. Mechanical Systems and Signal Processing, 2022, 162, 107855.	8.0	21
2	Nonlinear torsional primary resonance analysis of suspension bridge with generalized configuration using mathematical model. Engineering Structures, 2022, 255, 113935.	5.3	4
3	Effects of facade rib arrangement on aerodynamic characteristics and flow structure of a square cylinder. Building and Environment, 2022, 214, 108924.	6.9	7
4	Active flutter control of a bridge-flap system considering aerodynamic interferences in practical considerations. Smart Materials and Structures, 2022, 31, 065006.	3.5	2
5	Non-Linear Dynamic Analysis on a Continuum Suspension Bridge Model with Spatial Layout of Main Cables. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	2
6	Nonlinear characteristics of suspension bridges with inclined hangers under harmonic excitations and countermeasures for vibration control. Structural Control and Health Monitoring, 2022, 29, .	4.0	0
7	Simulation of stationary non-Gaussian stochastic vector processes using an eigenvalue-based iterative translation approximation method. Mechanical Systems and Signal Processing, 2022, 175, 109128.	8.0	14
8	Comparisons of design wind pressures on roof-mounted solar arrays between wind tunnel tests and codes and standards. Advances in Structural Engineering, 2021, 24, 653-666.	2.4	4
9	Efficient algorithm for the dynamic analysis of large civil structures with a small number of nonlinear components. Mechanical Systems and Signal Processing, 2021, 152, 107480.	8.0	10
10	Modeling of wedge-pin joint for the dynamic analysis of a planar temporary demountable structure. Advances in Structural Engineering, 2021, 24, 929-946.	2.4	0
11	Internal resonance of structure with hysteretic base-isolation and its application for seismic mitigation. Engineering Structures, 2021, 229, 111643.	5.3	7
12	Flow field investigation for aerodynamic effects of surface mounted ribs on square-sectioned high-rise buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 211, 104551.	3.9	24
13	LES study of windward-face-mounted-ribsâ€™ effects on flow fields and aerodynamic forces on a square cylinder. Building and Environment, 2021, 200, 107950.	6.9	17
14	Three-to-one internal resonance analysis for a suspension bridge with spatial cable through a continuum model. European Journal of Mechanics, A/Solids, 2021, 90, 104354.	3.7	10
15	Extended IHB method for dynamic analysis of structures with geometrical and material nonlinearities. Engineering Structures, 2020, 205, 110084.	5.3	15
16	Short-Term Response of a Bridge-Winglet Sectional Model under Active Flutter Control. International Journal of Structural Stability and Dynamics, 2020, 20, 2050084.	2.4	4
17	Modification of aerodynamic force characteristics on high-rise buildings with arrangement of vertical plates. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 200, 104155.	3.9	23
18	Non-linear aerodynamic load and parameters estimation for a SDOF wind-structure coupling system in wind tunnel test. Engineering Structures, 2019, 197, 109385.	5.3	9

#	ARTICLE	IF	CITATIONS
19	Characteristics of aerodynamic forces on high-rise buildings with various facade appurtenances. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 191, 76-90.	3.9	31
20	Effect of cut-off order of nonlinear stiffness on the dynamics of a sectional suspension bridge model. Engineering Structures, 2019, 185, 377-391.	5.3	8
21	Parameter and Aerodynamic Force Identification of Single-Degree-of-Freedom System in Wind Tunnel Test. Journal of Engineering Mechanics - ASCE, 2019, 145, .	2.9	16
22	Modeling and nonlinear dynamic analysis of cable-supported bridge with inclined main cables. Engineering Structures, 2018, 156, 351-362.	5.3	21
23	Analysis on two types of internal resonance of a suspended bridge structure with inclined main cables based on its sectional model. European Journal of Mechanics, A/Solids, 2018, 72, 135-147.	3.7	18
24	Effects of facade appurtenances on the local pressure of high-rise building. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 178, 26-37.	3.9	43
25	Analysis of interference effects on torsional moment between two high-rise buildings based on pressure and flow field measurement. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 54-68.	3.9	34
26	Estimation of Extreme Wind Load on Structures and Claddings. Journal of Engineering Mechanics - ASCE, 2017, 143, 04017081.	2.9	13
27	Structural damage detection based on covariance of covariance matrix with general white noise excitation. Journal of Sound and Vibration, 2017, 389, 168-182.	3.9	14
28	Non-stationary and non-Gaussian characteristics of wind speeds. Wind and Structures, an International Journal, 2017, 24, 59-78.	0.8	19
29	Simulation of r Highest-Order Extreme Values of Correlated Random Process. Journal of Engineering Mechanics - ASCE, 2016, 142, 06015003.	2.9	1
30	Wind Pressure Distribution on Through Concentrator. , 2016, , .		0
31	Wind pressure distribution on trough concentrator and fluctuating wind pressure characteristics. Solar Energy, 2015, 120, 464-478.	6.1	19
32	An alternative method for estimation of annual extreme wind speeds. Wind and Structures, an International Journal, 2014, 19, 169-184.	0.8	4
33	Interference effects between two rectangular-section high-rise buildings on local peak pressure coefficients. Journal of Fluids and Structures, 2013, 37, 120-133.	3.4	64
34	Mutual interference effects between two high-rise building models with different shapes on local peak pressure coefficients. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 104-106, 98-108.	3.9	51
35	Wind Loads on Solar Panels Mounted on Facade of High-Rise Residential Building. International Journal of Structural Stability and Dynamics, 0, , .	2.4	0