

Etienne Cheynet

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

389
citations

758635

12
h-index

794141

19
g-index

31
all docs

31
docs citations

31
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential and challenges of wind measurements using met-masts in complex topography for bridge design: Part I – Integral flow characteristics. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 211, 104584.	1.7	1
2	Potential and challenges of wind measurements using met-masts in complex topography for bridge design: Part II – Spectral flow characteristics. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 211, 104585.	1.7	5
3	Observations of bridge stay cable vibrations in dry and wet conditions: A case study. Journal of Sound and Vibration, 2021, 503, 116106.	2.1	10
4	The COTUR project: remote sensing of offshore turbulence for wind energy application. Atmospheric Measurement Techniques, 2021, 14, 6137-6157.	1.2	9
5	The influence of terrain on the mean wind flow characteristics in a fjord. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 205, 104331.	1.7	15
6	Improved long-span bridge modeling using data-driven identification of vehicle-induced vibrations. Structural Control and Health Monitoring, 2020, 27, e2574.	1.9	12
7	Identifying Traffic-Induced Vibrations of a Suspension Bridge: A Modelling Approach Based on Full-Scale Data. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 93-101.	0.3	1
8	Damping Estimation from Full-Scale Traffic-Induced Vibrations of a Suspension Bridge. , 2019, , .		3
9	Flow distortion recorded by sonic anemometers on a long-span bridge: Towards a better modelling of the dynamic wind load in full-scale. Journal of Sound and Vibration, 2019, 450, 214-230.	2.1	17
10	Influence of the Measurement Height on the Vertical Coherence of Natural Wind. Lecture Notes in Civil Engineering, 2019, , 207-221.	0.3	5
11	Flow Distortion Recorded by Sonic Anemometers on a Long-Span Bridge. Lecture Notes in Civil Engineering, 2019, , 192-206.	0.3	1
12	Coupled aerodynamic and hydrodynamic response of a long span bridge suspended from floating towers. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 177, 19-31.	1.7	19
13	Complementary use of wind lidars and land-based met-masts for wind measurements in a wide fjord. Journal of Physics: Conference Series, 2018, 1104, 012028.	0.3	2
14	Velocity Spectra and Coherence Estimates in the Marine Atmospheric Boundary Layer. Boundary-Layer Meteorology, 2018, 169, 429-460.	1.2	44
15	Assessing the potential of a commercial pulsed lidar for wind characterisation at a bridge site. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 161, 17-26.	1.7	23
16	Time-Domain Analysis of Wind-Induced Response of a Suspension Bridge in Comparison With the Full-Scale Measurements. , 2017, , .		2
17	Full-scale observation of the flow downstream of a suspension bridge deck. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 171, 261-272.	1.7	14
18	Damping estimation of large wind-sensitive structures. Procedia Engineering, 2017, 199, 2047-2053.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Full-scale monitoring of wind and suspension bridge response. IOP Conference Series: Materials Science and Engineering, 2017, 276, 012007.	0.3	5
20	Spectral characteristics of surface-layer turbulence in the North Sea. Energy Procedia, 2017, 137, 414-427.	1.8	20
21	Measurements of Surface-Layer Turbulence in a Wide Norwegian Fjord Using Synchronized Long-Range Doppler Wind Lidars. Remote Sensing, 2017, 9, 977.	1.8	18
22	Temperature Effects on the Modal Properties of a Suspension Bridge. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 87-93.	0.3	15
23	Application of short-range dual-Doppler lidars to evaluate the coherence of turbulence. Experiments in Fluids, 2016, 57, 1.	1.1	20
24	Buffeting response of a suspension bridge in complex terrain. Engineering Structures, 2016, 128, 474-487.	2.6	84
25	Wind Coherence Measurement by a Single Pulsed Doppler Wind Lidar. Energy Procedia, 2016, 94, 462-477.	1.8	11
26	Full scale monitoring of wind and traffic induced response of a suspension bridge. MATEC Web of Conferences, 2015, 24, 04003.	0.1	4
27	Assessment of Wind Conditions at a Fjord Inlet by Complementary Use of Sonic Anemometers and Lidars. Energy Procedia, 2015, 80, 411-421.	1.8	4