

Etienne Cheynet

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

389
citations

759233

12
h-index

794594

19
g-index

31
all docs

31
docs citations

31
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Buffeting response of a suspension bridge in complex terrain. Engineering Structures, 2016, 128, 474-487.	5.3	84
2	Velocity Spectra and Coherence Estimates in the Marine Atmospheric Boundary Layer. Boundary-Layer Meteorology, 2018, 169, 429-460.	2.3	44
3	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.	3.9	23
4	Application of short-range dual-Doppler lidars to evaluate the coherence of turbulence. Experiments in Fluids, 2016, 57, 1.	2.4	20
5	Spectral characteristics of surface-layer turbulence in the North Sea. Energy Procedia, 2017, 137, 414-427.	1.8	20
6	Damping estimation of large wind-sensitive structures. Procedia Engineering, 2017, 199, 2047-2053.	1.2	19
7	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.	3.9	19
8	Measurements of Surface-Layer Turbulence in a Wide Norwegian Fjord Using Synchronized Long-Range Doppler Wind Lidars. Remote Sensing, 2017, 9, 977.	4.0	18
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.	3.9	17
10	The influence of terrain on the mean wind flow characteristics in a fjord. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 205, 104331.	3.9	15
11	Temperature Effects on the Modal Properties of a Suspension Bridge. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 87-93.	0.5	15
12	Full-scale observation of the flow downstream of a suspension bridge deck. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 171, 261-272.	3.9	14
13	Improved long-span bridge modeling using data-driven identification of vehicle-induced vibrations. Structural Control and Health Monitoring, 2020, 27, e2574.	4.0	12
14	Wind Coherence Measurement by a Single Pulsed Doppler Wind Lidar. Energy Procedia, 2016, 94, 462-477.	1.8	11
15	Observations of bridge stay cable vibrations in dry and wet conditions: A case study. Journal of Sound and Vibration, 2021, 503, 116106.	3.9	10
16	The COTUR project: remote sensing of offshore turbulence for wind energy application. Atmospheric Measurement Techniques, 2021, 14, 6137-6157.	3.1	9
17	Full-scale monitoring of wind and suspension bridge response. IOP Conference Series: Materials Science and Engineering, 2017, 276, 012007.	0.6	5
18	Influence of the Measurement Height on the Vertical Coherence of Natural Wind. Lecture Notes in Civil Engineering, 2019, , 207-221.	0.4	5

#	ARTICLE	IF	CITATIONS
19	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.	3.9	5
20	Full scale monitoring of wind and traffic induced response of a suspension bridge. MATEC Web of Conferences, 2015, 24, 04003.	0.2	4
21	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
22	Damping Estimation from Full-Scale Traffic-Induced Vibrations of a Suspension Bridge. , 2019, , .		3
23	Time-Domain Analysis of Wind-Induced Response of a Suspension Bridge in Comparison With the Full-Scale Measurements. , 2017, , .		2
24	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.	0.4	2
25	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.	3.9	1
26	Flow Distortion Recorded by Sonic Anemometers on a Long-Span Bridge. Lecture Notes in Civil Engineering, 2019, , 192-206.	0.4	1
27	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.	0.5	1