

Maria Pia Repetto

List of Publications by Year in descending order

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41
papers

1,450
citations

304602

22
h-index

315616

38
g-index

42
all docs

42
docs citations

42
times ranked

782
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental power curve of small-size wind turbines in turbulent urban environment. Applied Energy, 2015, 154, 112-121.	5.1	163
2	Characteristics of thunderstorms relevant to the wind loading of structures. Wind and Structures, an International Journal, 2015, 20, 763-791.	0.8	116
3	Separation and classification of extreme wind events from anemometric records. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 126, 132-143.	1.7	96
4	The wind forecast for safety management of port areas. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 104-106, 266-277.	1.7	95
5	Thunderstorm response spectrum: Fundamentals and case study. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 143, 62-77.	1.7	71
6	A refined analysis of thunderstorm outflow characteristics relevant to the wind loading of structures. Probabilistic Engineering Mechanics, 2018, 54, 9-24.	1.3	59
7	A web-based GIS platform for the safe management and risk assessment of complex structural and infrastructural systems exposed to wind. Advances in Engineering Software, 2018, 117, 29-45.	1.8	57
8	Dynamic alongwind fatigue of slender vertical structures. Engineering Structures, 2001, 23, 1622-1633.	2.6	54
9	Wind-induced fatigue collapse of real slender structures. Engineering Structures, 2010, 32, 3888-3898.	2.6	52
10	Extreme wind speeds from long-term synthetic records. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 115, 22-38.	1.7	47
11	Local-scale forcing effects on wind flows in an urban environment: Impact of geometrical simplifications. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 170, 238-255.	1.7	47
12	Extreme wind speed distribution in a mixed wind climate. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 176, 239-253.	1.7	45
13	Equivalent static wind actions on vertical structures. Journal of Wind Engineering and Industrial Aerodynamics, 2004, 92, 335-357.	1.7	43
14	Integrated tools for improving the resilience of seaports under extreme wind events. Sustainable Cities and Society, 2017, 32, 277-294.	5.1	41
15	Directional Wind-Induced Fatigue of Slender Vertical Structures. Journal of Structural Engineering, 2004, 130, 1032-1040.	1.7	39
16	Dynamic crosswind fatigue of slender vertical structures. Wind and Structures, an International Journal, 2002, 5, 527-542.	0.8	33
17	Wind climate analysis in complex terrains. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 123, 349-362.	1.7	32
18	Long-term simulation of the mean wind speed. Journal of Wind Engineering and Industrial Aerodynamics, 2011, 99, 1139-1150.	1.7	30

#	ARTICLE	IF	CITATIONS
19	Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020, 200, 104142.	1.7	30
20	Wind-induced fatigue of structures under neutral and non-neutral atmospheric conditions. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2007, 95, 1364-1383.	1.7	27
21	Numerical and experimental methods to investigate the behaviour of vertical-axis wind turbines with stators. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 144, 125-133.	1.7	26
22	The role of parameter uncertainties in the damage prediction of the alongwind-induced fatigue. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2012, 104-106, 227-238.	1.7	23
23	Closed form solution of the alongwind-induced fatigue damage to structures. <i>Engineering Structures</i> , 2009, 31, 2414-2425.	2.6	21
24	Simulation of urban boundary and canopy layer flows in port areas induced by different marine boundary layer inflow conditions. <i>Science of the Total Environment</i> , 2019, 670, 876-892.	3.9	21
25	Full scale behavior of a small size vertical axis wind turbine. <i>Renewable Energy</i> , 2018, 127, 41-55.	4.3	19
26	Cycle counting methods for bi-modal stationary Gaussian processes. <i>Probabilistic Engineering Mechanics</i> , 2005, 20, 229-238.	1.3	17
27	Bimodal Alongwind Fatigue of Structures. <i>Journal of Structural Engineering</i> , 2006, 132, 899-908.	1.7	17
28	Long term simulation of wind-induced fatigue loadings. <i>Engineering Structures</i> , 2017, 132, 551-561.	2.6	17
29	Large-scale forcing effects on wind flows in the urban canopy: Impact of inflow conditions. <i>Sustainable Cities and Society</i> , 2018, 42, 593-610.	5.1	17
30	Short-term wind forecast for the safety management of complex areas during hazardous wind events. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 135, 170-181.	1.7	15
31	A refined analysis and simulation of the wind speed macro-meteorological components. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 132, 54-65.	1.7	15
32	Closed-Form Prediction of the Alongwind-Induced Fatigue of Structures. <i>Journal of Structural Engineering</i> , 2012, 138, 1149-1160.	1.7	13
33	General tendencies and classification of vertical structures under gust buffeting. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002, 90, 1299-1319.	1.7	11
34	The Annual Rate of Independent Events for the analysis of the extreme wind speed. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2016, 156, 104-114.	1.7	11
35	Structural response and fatigue assessment of a small vertical axis wind turbine under stationary and non-stationary excitation. <i>Renewable Energy</i> , 2021, 170, 251-266.	4.3	11
36	Neutral and non-neutral atmosphere: Probabilistic characterization and wind-induced response of structures. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011, 99, 969-978.	1.7	10

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37	Response to the Discussion on “The annual rate of independent events for the analysis of extreme wind speed, by R. Ian Harris”, Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 179-181.	1.7	4
38	Wind Loading and Response of Structures in Mixed Climates. , 2013, , .		4
39	Response to the further discussion on “The annual rate of independent events for the analysis of extreme wind speed, by N. Cook”, Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 464-465.	1.7	1
40	Dynamic Identification of a Vertical Axis Wind Turbine. Research Topics in Wind Energy, 2019, , 165-175.	0.2	0
41	The annual rate of independent events “ A key interpretation for traditional extreme value distributions of wind velocity. Wind Energy, 0, , .	1.9	0