

# Maria Pia Repetto

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Dynamic Identification of a Vertical Axis Wind Turbine. <i>Research Topics in Wind Energy</i> , 2019, , 165-175.	0.2	0
4	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
5	Extreme wind speed distribution in a mixed wind climate. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 176, 239-253.	1.7	45
6	Full scale behavior of a small size vertical axis wind turbine. <i>Renewable Energy</i> , 2018, 127, 41-55.	4.3	19
7	A web-based GIS platform for the safe management and risk assessment of complex structural and infrastructural systems exposed to wind. <i>Advances in Engineering Software</i> , 2018, 117, 29-45.	1.8	57
8	A refined analysis of thunderstorm outflow characteristics relevant to the wind loading of structures. <i>Probabilistic Engineering Mechanics</i> , 2018, 54, 9-24.	1.3	59
9	Response to the further discussion on "The annual rate of independent events for the analysis of extreme wind speed, by N. Cook". <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 174, 464-465.	1.7	1
10	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
11	Integrated tools for improving the resilience of seaports under extreme wind events. <i>Sustainable Cities and Society</i> , 2017, 32, 277-294.	5.1	41
12	Response to the Discussion on "The annual rate of independent events for the analysis of extreme wind speed, by R. Ian Harris". <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 164, 179-181.	1.7	4
13	Long term simulation of wind-induced fatigue loadings. <i>Engineering Structures</i> , 2017, 132, 551-561.	2.6	17
14	Local-scale forcing effects on wind flows in an urban environment: Impact of geometrical simplifications. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 170, 238-255.	1.7	47
15	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
16	Experimental power curve of small-size wind turbines in turbulent urban environment. <i>Applied Energy</i> , 2015, 154, 112-121.	5.1	163
17	Thunderstorm response spectrum: Fundamentals and case study. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 143, 62-77.	1.7	71
18	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

#	ARTICLE	IF	CITATIONS
19	Characteristics of thunderstorms relevant to the wind loading of structures. <i>Wind and Structures, an International Journal</i> , 2015, 20, 763-791.	0.8	116
20	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
21	Separation and classification of extreme wind events from anemometric records. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 126, 132-143.	1.7	96
22	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
23	Wind climate analysis in complex terrains. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 123, 349-362.	1.7	32
24	Extreme wind speeds from long-term synthetic records. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 115, 22-38.	1.7	47
25	Wind Loading and Response of Structures in Mixed Climates. , 2013, , .		4
26	Closed-Form Prediction of the Alongwind-Induced Fatigue of Structures. <i>Journal of Structural Engineering</i> , 2012, 138, 1149-1160.	1.7	13
27	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
28	The wind forecast for safety management of port areas. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2012, 104-106, 266-277.	1.7	95
29	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
30	Long-term simulation of the mean wind speed. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011, 99, 1139-1150.	1.7	30
31	Wind-induced fatigue collapse of real slender structures. <i>Engineering Structures</i> , 2010, 32, 3888-3898.	2.6	52
32	Closed form solution of the alongwind-induced fatigue damage to structures. <i>Engineering Structures</i> , 2009, 31, 2414-2425.	2.6	21
33	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
34	Bimodal Alongwind Fatigue of Structures. <i>Journal of Structural Engineering</i> , 2006, 132, 899-908.	1.7	17
35	Cycle counting methods for bi-modal stationary Gaussian processes. <i>Probabilistic Engineering Mechanics</i> , 2005, 20, 229-238.	1.3	17
36	Equivalent static wind actions on vertical structures. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2004, 92, 335-357.	1.7	43

#	ARTICLE	IF	CITATIONS
37	Directional Wind-Induced Fatigue of Slender Vertical Structures. Journal of Structural Engineering, 2004, 130, 1032-1040.	1.7	39
38	General tendencies and classification of vertical structures under gust buffeting. Journal of Wind Engineering and Industrial Aerodynamics, 2002, 90, 1299-1319.	1.7	11
39	Dynamic crosswind fatigue of slender vertical structures. Wind and Structures, an International Journal, 2002, 5, 527-542.	0.8	33
40	Dynamic alongwind fatigue of slender vertical structures. Engineering Structures, 2001, 23, 1622-1633.	2.6	54
41	The annual rate of independent events " A key interpretation for traditional extreme value distributions of wind velocity. Wind Energy, 0, , .	1.9	0