

Sergio Avila-Sanchez

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

336
citations

1163117

8
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

327
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracting energy from Vortex-Induced Vibrations: A parametric study. Applied Mathematical Modelling, 2012, 36, 3153-3160.	4.2	140
2	On Cup Anemometer Rotor Aerodynamics. Sensors, 2012, 12, 6198-6217.	3.8	50
3	Characterisation of cross-flow above a railway bridge equipped with solid windbreaks. Engineering Structures, 2016, 126, 133-146.	5.3	37
4	A study on the inclusion of forest canopy morphology data in numerical simulations for the purpose of wind resource assessment. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 126, 24-37.	3.9	22
5	On the effects of windbreaks on the aerodynamic loads over parabolic solar troughs. Applied Energy, 2014, 115, 293-300.	10.1	22
6	Wind Tunnel Analysis of the Aerodynamic Loads on Rolling Stock over Railway Embankments: The Effect of Shelter Windbreaks. Scientific World Journal, The, 2014, 2014, 1-17.	2.1	20
7	Assesment of the transverse galloping stability of a railway overhead located above a railway bridge. International Journal of Mechanical Sciences, 2017, 131-132, 649-662.	6.7	18
8	Turbulence intensity on catenary contact wires due to parapets placed on a double track bridge. Journal of Wind Engineering and Industrial Aerodynamics, 2010, 98, 504-511.	3.9	13
9	Measurement of spectra over the Bolund hill in wind tunnel. Wind Energy, 2018, 21, 87-99.	4.2	6
10	Influence of Embankments With Parapets on the Cross-Wind Turbulence Intensity at the Contact Wire of Railway Overheads. , 2010, , .		3
11	A tutorial on reproducing a predefined autocovariance function through AR models: application to stationary homogeneous isotropic turbulence. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2711-2736.	4.0	3
12	A two-dimensional computational parametric analysis of the sheltering effect of fences on a railway vehicle standing on a bridge and experiencing crosswinds. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2015, 229, 186-200.	2.0	1
13	Another look at rotational sampling of atmospheric turbulence with focus on the transference of energy from different frequency intervals of the Eulerian spectrum to the rotational spectrum. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104803.	3.9	1
14	The Effect of Windbreaks on Railway Overheads subject to Cross-Winds at OÂEixo Viaduct. , 0, , .		0