

# Sergio Avila-Sanchez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8076945/publications.pdf>

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