JosÃ© M PÃ©rez-Bella

List of Publications by Year
in descending order

28	445	759233 12	713466 21
papers	citations	h-index	g-index

28	28	28	384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of international regulations governing the thermal insulation requirements of residential buildings and the harmonization of envelope energy loss. Renewable and Sustainable Energy Reviews, 2014, 34, 78-90.	16.4	60
2	The use of response surface methodology to improve the thermal transmittance of lightweight concrete hollow bricks by FEM. Construction and Building Materials, 2014, 52, 331-344.	7.2	50
3	Hygrothermal properties of lightweight concrete: Experiments and numerical fitting study. Construction and Building Materials, 2013, 40, 543-555.	7.2	49
4	Estimation of the exposure of buildings to driving rain in Spain from daily wind and rain data. Building and Environment, 2012, 57, 259-270.	6.9	42
5	Combined use of wind-driven rain and wind pressure to define water penetration risk into building faÃ§ades: The Spanish case. Building and Environment, 2013, 64, 46-56.	6.9	42
6	A correction factor to approximate the design thermal conductivity of building materials. Application to Spanish faÃ§ades. Energy and Buildings, 2015, 88, 153-164.	6.7	30
7	Detailed territorial estimation of design thermal conductivity for faÃ§ade materials in North-Eastern Spain. Energy and Buildings, 2015, 102, 266-276.	6.7	20
8	Global analysis of building faÃ§ade exposure to water penetration in Chile. Building and Environment, 2013, 70, 284-297.	6.9	16
9	A new method for determining the water tightness of building facades. Building Research and Information, 2013, 41, 401-414.	3.9	16
10	Quantitative analysis of the divergence in energy losses allowed through building envelopes. Renewable and Sustainable Energy Reviews, 2015, 49, 1000-1008.	16.4	14
11	Optimised method for estimating directional driving rain from synoptic observation data. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 113, 1-11.	3.9	13
12	Assessment of water penetration risk in building facades throughout Brazil. Building Research and Information, 2017, 45, 492-507.	3.9	13
13	An extended method for comparing watertightness tests for facades. Building Research and Information, 2013, 41, 706-721.	3.9	12
14	A comparison of methods for determining watertightness test parameters of building faÃ§ades. Building and Environment, 2014, 78, 145-154.	6.9	12
15	Procedure for a detailed territorial assessment of wind-driven rain and driving-rain wind pressure and its implementation to three Spanish regions. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 128, 76-89.	3.9	10
16	On the significance of the climate-dataset time resolution in characterising wind-driven rain and simultaneous wind pressure. Part II: directional analysis. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1799-1815.	4.0	10
17	Improvement alternatives for determining the watertightness performance of building facades. Building Research and Information, 2015, 43, 723-736.	3.9	7
18	Equivalence between the methods established by ISO 15927-3 to determine wind-driven rain exposure: Reanalysis and improvement proposal. Building and Environment, 2020, 174, 106777.	6.9	6

#	Article	IF	Citations
19	On the significance of the climate-dataset time resolution in characterising wind-driven rain and simultaneous wind pressure. Part I: scalar approach. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1783-1797.	4.0	5
20	Education for Sustainable Development: Methodology and Application within a Construction Course. Journal of Professional Issues in Engineering Education and Practice, 2013, 139, 72-79.	0.9	4
21	Avoiding the need to directionally determine the exposure to rainwater penetration for faÃ§ade designs. Building and Environment, 2020, 176, 106850.	6.9	4
22	An alternative approach to estimate any subdaily extreme of rainfall and wind from usually available records. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1819-1833.	4.0	3
23	Improvement of a functional method to determine the design thermal transmittance of building faÃ§ades. Implementation in southern Spain. Journal of Building Engineering, 2020, 30, 101231.	3.4	2
24	RevisiÃ³n y mejora de la caracterizaciÃ³n del grado de impermeabilidad requerido por el CTE DB-HS1 para fachadas de edificaciÃ³n. Informes De La Construccion, 2015, 67, e059.	0.3	2
25	Directional characterisation of annual and temporary exposure to rainwater penetration on building faÃ§ades throughout Mexico. Building and Environment, 2022, 212, 108837.	6.9	2
26	CALIDAD DE AIRE INTERIOR Y EFICIENCIA ENERGÃ‰TICA. Dyna (Spain), 2012, 87, 74-79.	0.2	1
27	Advances to enhance the utility of traditional wind-driven rain studies already available in multiple regions. , 2021, , .		0
28	APLICACIÃ“N AL CÃ“DIGO TÃ‰CNICO DE LA EDIFICACIÃ“N DE AVANCES EN EL ESTUDIO DE LA EXPOSICIÃ“N A LA HUMEDAD DE FACHADAS. Dyna (Spain), 2014, 89, 440-448.	0.2	0