Miguel Ãngel Padilla Marcos

List of Publications by Year
in descending order

28 papers	370 citations	933410 10 h-index	794568 19 g-index
28 all docs	28 docs citations	28 times ranked	294 citing authors

#	ARTICLE	IF	CITATIONS
1	Airtightness and energy impact of air infiltration in residential buildings in Spain. International Journal of Ventilation, 2021, 20, 258-264.	0.4	4
2	Three-dimensional characterization of air infiltration using infrared thermography. Energy and Buildings, 2021, 233, 110656.	6.7	2
3	On the potential of demand-controlled ventilation system to enhance indoor air quality and thermal condition in Australian school classrooms. Energy and Buildings, 2021, 238, 110838.	6.7	42
4	Impact of Air Infiltration on IAQ and Ventilation Efficiency in Higher Educational Classrooms in Spain. Sustainability, 2021, 13, 6875.	3.2	2
5	Indoor Air Quality in Naturally Ventilated Classrooms. Lessons Learned from a Case Study in a COVID-19 Scenario. Sustainability, 2021, 13, 8446.	3.2	21
6	Implementation of a Ventilation Protocol for SARS-CoV-2 in a Higher Educational Centre. Energies, 2021, 14, 6172.	3.1	3
7	Ventilation efficiency assessment according to the variation of opening position in L-shaped rooms. Building Simulation, 2020, 13, 213-221.	5.6	8
8	Residential buildings airtightness frameworks: A review on the main databases and setups in Europe and North America. Building and Environment, 2020, 183, 107221.	6.9	24
9	A Graphical Tool to Estimate the Air Change Efficiency in Rooms with Heat Recovery Systems. Sustainability, 2020, 12, 1031.	3.2	8
10	Assessment of the ventilation efficiency in the breathing zone during sleep through computational fluid dynamics techniques. Journal of Building Physics, 2019, 42, 458-483.	2.4	10
11	Air infiltration monitoring using thermography and neural networks. Energy and Buildings, 2019, 191, 187-199.	6.7	10
12	Energy impact of the air infiltration in residential buildings in the Mediterranean area of Spain and the Canary islands. Energy and Buildings, 2019, 188-189, 226-238.	6.7	43
13	Airtightness of residential buildings in the Continental area of Spain. Building and Environment, 2019, 148, 299-308.	6.9	45
14	Effects of the radiant heating system location on both the airflow and ventilation efficiency in a room. Indoor and Built Environment, 2019, 28, 372-383.	2.8	14
15	Computational fluid dynamics evaluation of the furniture arrangement for ventilation efficiency. Building Services Engineering Research and Technology, 2018, 39, 557-571.	1.8	19
16	Experimental validation of the age-of-the-air CFD analysis: A case study. Science and Technology for the Built Environment, 2018, 24, 994-1003.	1.7	20
17	Assessment for the Age-Of-The-Air and Ventilation Efficiency in Confined Outdoor Spaces through Computational Fluid Dynamics Techniques. Energies, 2018, 11, 1932.	3.1	4
18	Methodology for the Study of the Envelope Airtightness of Residential Buildings in Spain: A Case Study. Energies, 2018, 11, 704.	3.1	26

#	Article	IF	Citations
19	A new application model of building ventilation with light shafts: a proposal based on case study assessment. Journal of Zhejiang University: Science A, 2018, 19, 796-810.	2.4	0
20	The effects of wind velocity and building geometry on air change efficiency in light shafts: Case studies. Building Services Engineering Research and Technology, 2017, 38, 5-20.	1.8	4
21	Ventilation rate determination method for residential buildings according to TVOC emissions from building materials. Building and Environment, 2017, 123, 555-563.	6.9	27
22	Proposal for a Simplified CFD Procedure for Obtaining Patterns of the Age of Air in Outdoor Spaces for the Natural Ventilation of Buildings. Energies, 2017, 10, 1252.	3.1	6
23	Methodology Applied to the Evaluation of Natural Ventilation in Residential Building Retrofits: A Case Study. Energies, 2017, 10, 456.	3.1	9
24	Natural Ventilation of Buildings through Light Shafts. Design-Based Solution Proposals. IOP Conference Series: Materials Science and Engineering, 2017, 245, 052036.	0.6	0
25	Confined-air quality based on the geometric efficiency of urban outdoor spaces. Cases study. International Journal of Ventilation, 2016, 15, 15-30.	0.4	5
26	Wind velocity effects on the quality and efficiency of ventilation in the modelling of outdoor spaces. Case studies. Building Services Engineering Research and Technology, 2016, 37, 33-50.	1.8	7
27	EvaluaciÃ³n, diseÃ±o y propuestas de sistemas de ventilaciÃ³n en la rehabilitaciÃ³n de edificios residenciales espaÃ±oles. Estudio de caso. Informes De La Construccion, 2016, 68, e148.	0.3	4
28	Eficiencia isoterma de los modelos de ventilaciÃ³n exterior en patios de edificios residenciales. Estudio de casos. Informes De La Construccion, 2015, 67, e121.	0.3	3