Juan JosÃ© Sendra

List of Publications by Year
in descending order

57	1,272	304368	395343
papers	citations	22 h-index	33 g-index

57	57	57	1067
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring a Pre-Normative Multi-Family Housing Case-Study in a Mediterranean Climate. Buildings, 2017, 7, 1.	1.4	82
2	Understanding the performance gap in energy retrofitting: Measured input data for adjusting building simulation models. Energy and Buildings, 2020, 209, 109688.	3.1	61
3	Thermal comfort prediction in a building category: Artificial neural network generation from calibrated models for a social housing stock in southern Europe. Applied Thermal Engineering, 2019, 150, 492-505.	3.0	59
4	An approach to modelling envelope airtightness in multi-family social housing in Mediterranean Europe based on the situation in Spain. Energy and Buildings, 2016, 128, 236-253.	3.1	57
5	Towards Energy Demand Reduction in Social Housing Buildings: Envelope System Optimization Strategies. Energies, 2012, 5, 2263-2287.	1.6	55
6	On the assessment of the energy performance and environmental behaviour of social housing stock for the adjustment between simulated and measured data: The case of mild winters in the Mediterranean climate of southern Europe. Energy and Buildings, 2017, 152, 418-433.	3.1	53
7	Intangible cultural heritage: The sound of the Romanesque cathedral of Santiago de Compostela. Journal of Cultural Heritage, 2015, 16, 239-243.	1.5	42
8	Archaeoacoustics of intangible cultural heritage: The sound of the Maior Ecclesia of Cluny. Journal of Cultural Heritage, 2016, 19, 567-572.	1.5	40
9	Energy efficiency and lighting design in courtyards and atriums: A predictive method for daylight factors. Applied Energy, 2018, 211, 1216-1228.	5.1	40
10	Effects of the COVID-19 Pandemic on Indoor Air Quality and Thermal Comfort of Primary Schools in Winter in a Mediterranean Climate. Sustainability, 2021, 13, 2699.	1.6	40
11	Intervención energética en el sector residencial del sur de España: Retos actuales. Informes De La Construccion, 2013, 65, 457-464.	0.1	39
12	Adaptive approach-based assessment of a heritage residential complex in southern Spain for improving comfort and energy efficiency through passive strategies: A study based on a monitored flat. Energy, 2019, 181, 504-520.	4.5	36
13	Evaluation of indoor environment and energy performance of dwellings in heritage buildings. The case of hot summers in historic cities in Mediterranean Europe. Sustainable Cities and Society, 2020, 52, 101798.	5.1	36
14	Acoustic evaluation of the cathedral of Seville as a concert hall and proposals for improving the acoustic quality perceived by listeners. Journal of Building Performance Simulation, 2014, 7, 360-378.	1.0	35
15	Field assessment of thermal comfort conditions and energy performance of social housing: The case of hot summers in the Mediterranean climate. Energy Policy, 2019, 128, 377-392.	4.2	32
16	Towards an Analysis of Daylighting Simulation Software. Energies, 2011, 4, 1010-1024.	1.6	31
17	Social housing airtightness in Southern Europe. Energy and Buildings, 2019, 183, 377-391.	3.1	27
18	CO2 Concentration and Occupantsâ€™ Symptoms in Naturally Ventilated Schools in Mediterranean Climate. Buildings, 2019, 9, 197.	1.4	26

#	Article	IF	Citations
19	Are the dwellings of historic Mediterranean cities cold in winter? A field assessment on their indoor environment and energy performance. Energy and Buildings, 2021, 230, 110567.	3.1	26
20	Protocols for Measuring the Airtightness of Multi-Dwelling Units in Southern Europe. Procedia Engineering, 2011, 21, 98-105.	1.2	25
21	Predicting the Impact of Climate Change on Thermal Comfort in A Building Category: The Case of Linear-type Social Housing Stock in Southern Spain. Energies, 2019, 12, 2238.	1.6	24
22	The Western Latin church as a place for music and preaching: An acoustic assessment. Applied Acoustics, 2009, 70, 781-789.	1.7	23
23	Comparing the impact of presence patterns on energy demand in residential buildings using measured data and simulation models. Building Simulation, 2019, 12, 985-998.	3.0	23
24	Lighting design in courtyards: Predictive method of daylight factors under overcast sky conditions. Renewable Energy, 2014, 71, 243-254.	4.3	22
25	Daylighting design with lightscoop skylights: Towards an optimization of shape under overcast sky conditions. Energy and Buildings, 2013, 60, 232-238.	3.1	19
26	Virtual acoustic environment reconstruction of the hypostyle mosque of Cordoba. Applied Acoustics, 2018, 140, 214-224.	1.7	19
27	Rethinking User Behaviour Comfort Patterns in the South of Spainâ€"What Users Really Do. Sustainability, 2018, 10, 4448.	1.6	18
28	The sound ofÂtheÂcathedral-mosque ofÂCÃ³rdoba. Journal of Cultural Heritage, 2005, 6, 307-312.	1.5	17
29	Daylighting design with lightscoop skylights: Towards an optimization of proportion and spacing under overcast sky conditions. Energy and Buildings, 2012, 49, 394-401.	3.1	17
30	Towards an analysis of the performance of lightwell skylights under overcast sky conditions. Energy and Buildings, 2013, 64, 10-16.	3.1	17
31	Predictive method of the sky component in a courtyard under overcast sky conditions. Solar Energy, 2013, 89, 89-99.	2.9	17
32	Acoustics, Liturgy and Architecture in the Early Christian Church. From the domus ecclesiae to the basilica. Acta Acustica United With Acustica, 2013, 99, 292-301.	0.8	16
33	Virtual reconstruction of indoor acoustics in cathedrals: The case of the Cathedral of Granada. Building Simulation, 2017, 10, 431-446.	3.0	16
34	The performance of Mediterranean low-income housing in scenarios involving climate change. Energy and Buildings, 2019, 202, 109374.	3.1	16
35	Thermal Perception in Mild Climate: Adaptive Thermal Models for Schools. Sustainability, 2019, 11, 3948.	1.6	15
36	Protocol for the Energy Behaviour Assessment of Social Housing Stock: The Case of Southern Europe. Energy Procedia, 2016, 96, 907-915.	1.8	14

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37	Towards an analysis of the performance of monitor skylights under overcast sky conditions. Energy and Buildings, 2015, 88, 248-261.	3.1	13
38	Predictive models for airtightness in social housing in a Mediterranean region. Sustainable Cities and Society, 2019, 51, 101695.	5.1	13
39	Questionnaire Survey to Qualify the Acoustics of Spanish Concert Halls. Acta Acustica United With Acustica, 2011, 97, 949-965.	0.8	11
40	The Acoustics of the Choir in Spanish Cathedrals. Acoustics, 2018, 1, 35-46.	0.8	11
41	Implementation of urban building energy modeling in historic districts. Seville as case- study. International Journal of Sustainable Development and Planning, 2018, 13, 528-540.	0.3	11
42	Towards a calibration of building energy models: A case study from the Spanish housing stock in the Mediterranean climate. Informes De La Construccion, 2015, 67, e128.	0.1	11
43	Towards finding the optimal location of a ventilation inlet in a roof monitor skylight, using visual and thermal performance criteria, for dwellings in a Mediterranean climate. Journal of Building Performance Simulation, 2015, 8, 226-238.	1.0	9
44	Infiltration rate performance of buildings in the historic centre of Oporto. Informes De La Construccion, 2014, 66, e033.	0.1	8
45	Analysis of Thermal Emissions from Radiators in Classrooms in Mediterranean Climates. Procedia Engineering, 2011, 21, 106-113.	1.2	7
46	Energy and climate simulation in the Upper Lawn Pavilion, an experimental laboratory in the architecture of the Smithsons. Building Simulation, 2015, 8, 99-109.	3.0	7
47	On the assessment of the multiplicity of spaces in the acoustic environment of cathedrals: The case of the cathedral of Seville. Applied Acoustics, 2018, 141, 54-63.	1.7	7
48	The role of hybrid systems in the decarbonization of residential heritage buildings in mediterranean climate. A case study in Seville, Spain. Energy and Buildings, 2021, 250, 111302.	3.1	7
49	Numerical simulation of the temperature evolution in a room with a mur neutralisant . Application to â€œThe City of Refugeâ€•by Le Corbusier. Energy and Buildings, 2015, 86, 708-722.	3.1	5
50	Towards an Energy Assessment on an Urban Scale for Retrofitting the Housing Stock in Mediterranean Cities. Procedia Environmental Sciences, 2017, 38, 688-695.	1.3	4
51	Thermal 3D CFD Simulation with Active Transparent FaÃ§ade in Buildings. Energies, 2018, 11, 2265.	1.6	4
52	Daylighting provided by horizontal openings using the illumination vector. Renewable Energy, 2006, 31, 2513-2523.	4.3	2
53	Determination of the origin of the illumination vector due to vertical windows under Moon-Spencer sky conditions (uniformly overcast). Renewable Energy, 2008, 33, 168-172.	4.3	2
54	Protocol for assessing energy performance to improve comfort conditions in social housing in a Spanish southern city. International Journal of Energy Production and Management, 2017, 2, 140-152.	1.9	2

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55	Modelos predictivos del consumo energÃ©tico de climatizaciÃ³n asociado a soluciones de fachadas en Madrid a partir de la monitorizaciÃ³n en mÃ³dulos de ensayo. Informes De La Construccion, 2017, 69, 225.	0.1	2
56	Validation of a Dynamic Simulation of a Classroom HVAC System by Comparison with a Real Model. , 2017, , 381-392.		1
57	Forecasting Energy Impact in Multifamily Buildings Through Airtightness Models. Impact of Meat Consumption on Health and Environmental Sustainability, 2021, , 72-95.	0.4	0