

Angel Luis Leon-Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

487
citations

777949

13
h-index

799663

21
g-index

35
all docs

35
docs citations

35
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change mitigation: thermal comfort improvement in Mediterranean social dwellings through dynamic test cells modelling. <i>International Journal of Energy and Environmental Engineering</i> , 2023, 14, 121-134.	1.3	1
2	Thermal comfort prediction of the existing housing stock in southern Spain through calibrated and validated parameterized simulation models. <i>Energy and Buildings</i> , 2022, 254, 111562.	3.1	12
3	Experimental validation of a dynamic numeric model to simulate the thermal behavior of a facade. <i>Applied Thermal Engineering</i> , 2022, 204, 117686.	3.0	1
4	Empirical and Numerical Analysis of an Opaque Ventilated Facade with Windows Openings under Mediterranean Climate Conditions. <i>Mathematics</i> , 2022, 10, 163.	1.1	5
5	Optimal retrofit solutions considering thermal comfort and intervention costs for the Mediterranean social housing stock. <i>Energy and Buildings</i> , 2022, 259, 111915.	3.1	16
6	Evaluation of environmental comfort in a social housing prototype with bioclimatic double-skin in a tropical climate. <i>Building and Environment</i> , 2022, 218, 109119.	3.0	6
7	Bayesian calibration of building energy models for uncertainty analysis through test cells monitoring. <i>Applied Energy</i> , 2021, 282, 116118.	5.1	17
8	Acoustic behaviour of polychoirs in the Baroque church of Santa Mar�a Magdalena, Seville. <i>Applied Acoustics</i> , 2021, 175, 107814.	1.7	4
9	Evolutionary Analysis of the Acoustics of the Baroque Church of San Luis de los Franceses (Seville). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1402.	1.3	7
10	Indoor environmental assessment: Comparing ventilation scenarios in pre- and post-retrofitted dwellings through test cells. <i>Journal of Building Engineering</i> , 2021, 43, 103148.	1.6	1
11	Effects of future climate change on the preservation of artworks, thermal comfort and energy consumption in historic buildings. <i>Applied Energy</i> , 2020, 276, 115483.	5.1	41
12	Environmental Comfort as a Sustainable Strategy for Housing Integration: The AURA 1.0 Prototype for Social Housing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7734.	1.3	10
13	Solar Decathlon Latin America and Caribbean: Comfort and the Balance between Passive and Active Design. <i>Sustainability</i> , 2019, 11, 3498.	1.6	18
14	Dome sound effect in the church of San Luis de los Franceses. <i>Applied Acoustics</i> , 2019, 156, 56-65.	1.7	10
15	Numerical and experimental validation of the solar radiation transfer for an egg-crate shading device under Mediterranean climate conditions. <i>Solar Energy</i> , 2019, 183, 755-767.	2.9	6
16	Daylighting Performance of Solar Control Films for Hospital Buildings in a Mediterranean Climate. <i>Energies</i> , 2019, 12, 489.	1.6	4
17	Indoor Air Quality Assessment: Comparison of Ventilation Scenarios for Retrofitting Classrooms in a Hot Climate. <i>Energies</i> , 2019, 12, 4607.	1.6	8
18	Assessment of Indoor Environmental Quality for Retrofitting Classrooms with An Egg-Crate Shading Device in A Hot Climate. <i>Sustainability</i> , 2019, 11, 1078.	1.6	8

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19	Daylighting and Energy Performance Evaluation of an Egg-Crate Device for Hospital Building Retrofitting in a Mediterranean Climate. <i>Sustainability</i> , 2018, 10, 2714.	1.6	6
20	Thermal and Lighting Consumption Savings in Classrooms Retrofitted with Shading Devices in a Hot Climate. <i>Energies</i> , 2018, 11, 2790.	1.6	6
21	Hygrothermal Performance of Worship Spaces: Preservation, Comfort, and Energy Consumption. <i>Sustainability</i> , 2018, 10, 3838.	1.6	10
22	Impact of Climate Change: Environmental Assessment of Passive Solutions in a Single-Family Home in Southern Spain. <i>Sustainability</i> , 2018, 10, 2914.	1.6	17
23	The assessment of environmental conditioning techniques and their energy performance in historic churches located in Mediterranean climate. <i>Journal of Cultural Heritage</i> , 2018, 34, 74-82.	1.5	23
24	Evaluation of Thermal Comfort Conditions in Retrofitted Facades Using Test Cells and Considering Overheating Scenarios in a Mediterranean Climate. <i>Energies</i> , 2018, 11, 788.	1.6	12
25	Validation Study for Daylight Dynamic Metrics by Using Test Cells in Mediterranean Area. <i>International Journal of Engineering and Technology</i> , 2018, 10, 487-491.	0.1	11
26	Methodology for the Optimisation of Thermal Performance and Daylight Access to the Retrofit of Hospital Rooms in Mediterranean Climate. , 2017, , 403-413.		3
27	Design and Performance of Test Cells as an Energy Evaluation Model of Facades in a Mediterranean Building Area. <i>Energies</i> , 2017, 10, 1816.	1.6	29
28	Air conditioning and passive environmental techniques in historic churches in Mediterranean climate. A proposed method to assess damage risk and thermal comfort pre-intervention, simulation-based. <i>Energy and Buildings</i> , 2016, 130, 567-577.	3.1	38
29	Intervención energética en el sector residencial del sur de España: Retos actuales. <i>Informes De La Construcci&#243;n</i> , 2013, 65, 457-464.	0.1	39
30	Reducing the Energy Demand of Multi-Dwelling Units in a Mediterranean Climate Using Solar Protection Elements. <i>Energies</i> , 2012, 5, 3398-3424.	1.6	19
31	Towards Energy Demand Reduction in Social Housing Buildings: Envelope System Optimization Strategies. <i>Energies</i> , 2012, 5, 2263-2287.	1.6	55
32	Acoustic Rehabilitation of the Church of Santa Ana in Moratalaz, Madrid. <i>Archives of Acoustics</i> , 2012, 37, 435-446.	0.9	6
33	Monitorización de variables medioambientales y energÑticas en la construcción de viviendas protegidas: Edificio Cros-Pirotecnia en Sevilla. <i>Informes De La Construcci&#243;n</i> , 2010, 62, 67-82.	0.1	21
34	Coupled spaces in the Cathedral-Mosque of Córdoba: the sound of limits. <i>Informes De La Construcci&#243;n</i> , 2006, 58, .	0.1	0
35	The sound ofÉtheÉcathedral-mosque ofÉCórdoba. <i>Journal of Cultural Heritage</i> , 2005, 6, 307-312.	1.5	17