

Angel Luis Leon-Rodriguez

List of Publications by Year in descending order

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papers

487
citations

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all docs

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docs citations

35
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Energy Demand Reduction in Social Housing Buildings: Envelope System Optimization Strategies. <i>Energies</i> , 2012, 5, 2263-2287.	3.1	55
2	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.	10.1	41
3	Intervención energética en el sector residencial del sur de España: Retos actuales. <i>Informes De La Construcción</i> , 2013, 65, 457-464.	0.3	39
4	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.	6.7	38
5	Design and Performance of Test Cells as an Energy Evaluation Model of Facades in a Mediterranean Building Area. <i>Energies</i> , 2017, 10, 1816.	3.1	29
6	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.	3.3	23
7	Monitorización de variables medioambientales y energéticas en la construcción de viviendas protegidas: Edificio Cros-Pirotecnica en Sevilla. <i>Informes De La Construcción</i> , 2010, 62, 67-82.	0.3	21
8	Reducing the Energy Demand of Multi-Dwelling Units in a Mediterranean Climate Using Solar Protection Elements. <i>Energies</i> , 2012, 5, 3398-3424.	3.1	19
9	Solar Decathlon Latin America and Caribbean: Comfort and the Balance between Passive and Active Design. <i>Sustainability</i> , 2019, 11, 3498.	3.2	18
10	The sound of the cathedral-mosque of Córdoba. <i>Journal of Cultural Heritage</i> , 2005, 6, 307-312.	3.3	17
11	Impact of Climate Change: Environmental Assessment of Passive Solutions in a Single-Family Home in Southern Spain. <i>Sustainability</i> , 2018, 10, 2914.	3.2	17
12	Bayesian calibration of building energy models for uncertainty analysis through test cells monitoring. <i>Applied Energy</i> , 2021, 282, 116118.	10.1	17
13	Optimal retrofit solutions considering thermal comfort and intervention costs for the Mediterranean social housing stock. <i>Energy and Buildings</i> , 2022, 259, 111915.	6.7	16
14	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.	3.1	12
15	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.	6.7	12
16	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.	0.2	11
17	Hygrothermal Performance of Worship Spaces: Preservation, Comfort, and Energy Consumption. <i>Sustainability</i> , 2018, 10, 3838.	3.2	10
18	Dome sound effect in the church of San Luis de los Franceses. <i>Applied Acoustics</i> , 2019, 156, 56-65.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Environmental Comfort as a Sustainable Strategy for Housing Integration: The AURA 1.0 Prototype for Social Housing. Applied Sciences (Switzerland), 2020, 10, 7734.	2.5	10
20	Indoor Air Quality Assessment: Comparison of Ventilation Scenarios for Retrofitting Classrooms in a Hot Climate. Energies, 2019, 12, 4607.	3.1	8
21	Assessment of Indoor Environmental Quality for Retrofitting Classrooms with An Egg-Crate Shading Device in A Hot Climate. Sustainability, 2019, 11, 1078.	3.2	8
22	Evolutionary Analysis of the Acoustics of the Baroque Church of San Luis de los Franceses (Seville). Applied Sciences (Switzerland), 2021, 11, 1402.	2.5	7
23	Acoustic Rehabilitation of the Church of Santa Ana in Moratalaz, Madrid. Archives of Acoustics, 2012, 37, 435-446.	0.8	6
24	Daylighting and Energy Performance Evaluation of an Egg-Crate Device for Hospital Building Retrofitting in a Mediterranean Climate. Sustainability, 2018, 10, 2714.	3.2	6
25	Thermal and Lighting Consumption Savings in Classrooms Retrofitted with Shading Devices in a Hot Climate. Energies, 2018, 11, 2790.	3.1	6
26	Numerical and experimental validation of the solar radiation transfer for an egg-crate shading device under Mediterranean climate conditions. Solar Energy, 2019, 183, 755-767.	6.1	6
27	Evaluation of environmental comfort in a social housing prototype with bioclimatic double-skin in a tropical climate. Building and Environment, 2022, 218, 109119.	6.9	6
28	Empirical and Numerical Analysis of an Opaque Ventilated Facade with Windows Openings under Mediterranean Climate Conditions. Mathematics, 2022, 10, 163.	2.2	5
29	Daylighting Performance of Solar Control Films for Hospital Buildings in a Mediterranean Climate. Energies, 2019, 12, 489.	3.1	4
30	Acoustic behaviour of polychoirs in the Baroque church of Santa Mar�a Magdalena, Seville. Applied Acoustics, 2021, 175, 107814.	3.3	4
31	Methodology for the Optimisation of Thermal Performance and Daylight Access to the Retrofit of Hospital Rooms in Mediterranean Climate. , 2017, , 403-413.		3
32	Indoor environmental assessment: Comparing ventilation scenarios in pre- and post-retrofitted dwellings through test cells. Journal of Building Engineering, 2021, 43, 103148.	3.4	1
33	Experimental validation of a dynamic numeric model to simulate the thermal behavior of a facade. Applied Thermal Engineering, 2022, 204, 117686.	6.0	1
34	Climate change mitigation: thermal comfort improvement in Mediterranean social dwellings through dynamic test cells modelling. International Journal of Energy and Environmental Engineering, 2023, 14, 121-134.	2.5	1
35	Coupled spaces in the Cathedral-Mosque of C�rdoba: the sound of limits. Informes De La Construcion, 2006, 58, .	0.3	0