

# David Moreno-Rangel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16  
papers

195  
citations

9  
h-index

13  
g-index

17  
ext. papers

252  
ext. citations

3.6  
avg, IF

3.42  
L-index

#	Paper	IF	Citations
16	Surface Urban Heat Island Assessment of a Cold Desert City: A Case Study over the Isfahan Metropolitan Area of Iran. <i>Atmosphere</i> , <b>2021</b> , 12, 1368	2.7	2
15	Impact of perforated solar screens on daylight availability and low energy use in offices. <i>Advances in Building Energy Research</i> , <b>2021</b> , 15, 117-141	1.8	4
14	Statistical Methods Applied to Optimize Perforated Façade Design for Daylight Availability. <i>Journal of Architectural Engineering</i> , <b>2019</b> , 25, 04018034	1.5	3
13	Correlating daylight availability metric with lighting, heating and cooling energy consumptions. <i>Building and Environment</i> , <b>2018</b> , 132, 170-180	6.5	31
12	Solar radiation entering through openings: Coupled assessment of luminous and thermal aspects. <i>Energy and Buildings</i> , <b>2018</b> , 175, 208-218	7	2
11	Optimization method for perforated solar screen design to improve daylighting using orthogonal arrays and climate-based daylight modelling. <i>Journal of Building Performance Simulation</i> , <b>2017</b> , 10, 144-160	2.8	15
10	Design optimisation of perforated solar façades in order to balance daylighting with thermal performance. <i>Building and Environment</i> , <b>2017</b> , 125, 383-400	6.5	35
9	A comparison of closed-form and finite-element solutions for heat transfer in a nearly horizontal, unglazed flat plate PVT water collector: Performance assessment. <i>Solar Energy</i> , <b>2017</b> , 141, 11-24	6.8	11
8	Design and Performance of Test Cells as an Energy Evaluation Model of Facades in a Mediterranean Building Area. <i>Energies</i> , <b>2017</b> , 10, 1816	3.1	19
7	Climate-based daylight analysis of fixed shading devices in an open-plan office. <i>Lighting Research and Technology</i> , <b>2016</b> , 48, 205-220	2	10
6	Analysis of the accuracy of the sky component calculation in daylighting simulation programs. <i>Solar Energy</i> , <b>2015</b> , 119, 54-67	6.8	24
5	Patio 2.12: Vivienda prefabricada, sostenible, autosuficiente y energéticamente eficiente. Participación en la competición Solar Decathlon Europe 2012. <i>Informes De La Construcción</i> , <b>2015</b> , 67, e088	0.4	4
4	Construcción de pantallas y anclajes en el solar del Mercado de la Encarnación en Sevilla: modelo de cálculo, estudio de desplazamientos y propuesta de intervención. <i>Informes De La Construcción</i> , <b>2015</b> , 67, e051	0.4	
3	Climate-based daylighting analysis for the effects of location, orientation and obstruction. <i>Lighting Research and Technology</i> , <b>2014</b> , 46, 268-280	2	19
2	Batios and Botijos: Energetic strategies and architectural integration in Patio 2.12 prototype. <i>Energy and Buildings</i> , <b>2014</b> , 83, 70-88	7	16
1	Un estudio de caso: Rehabilitación singular de edificios de viviendas en la barriada del Parque Alcosa, análisis de daños constructivos comunes y propuesta de intervención. <i>Informes De La Construcción</i> , <b>2014</b> , 66, e017	0.4	