Ignacio Acosta

List of Publications by Citations

23 papers	374 citations	12 h-index	19 g-index
23 ext. papers	464 ext. citations	5.8 avg, IF	3.95 L-index

#	Paper	IF	Citations
23	Window design in architecture: Analysis of energy savings for lighting and visual comfort in residential spaces. *Applied Energy*, **2016**, 168, 493-506	10.7	72
22	Analysis of daylight factors and energy saving allowed by windows under overcast sky conditions. *Renewable Energy*, **2015**, 77, 194-207	8.1	45
21	Towards an Analysis of Daylighting Simulation Software. *Energies*, **2011**, 4, 1010-1024	3.1	25
20	Analysis of the accuracy of the sky component calculation in daylighting simulation programs. *Solar Energy*, **2015**, 119, 54-67	6.8	24
19	Energy efficiency and lighting design in courtyards and atriums: A predictive method for daylight factors. *Applied Energy*, **2018**, 211, 1216-1228	10.7	21
18	Daylighting design for healthy environments: Analysis of educational spaces for optimal circadian stimulus. *Solar Energy*, **2019**, 193, 584-596	6.8	20
17	Lighting design in courtyards: Predictive method of daylight factors under overcast sky conditions. *Renewable Energy*, **2014**, 71, 243-254	8.1	19
16	Daylighting design with lightscoop skylights: Towards an optimization of shape under overcast sky conditions. *Energy and Buildings*, **2013**, 60, 232-238	7	16
15	CO2 Concentration and Occupants Symptoms in Naturally Ventilated Schools in Mediterranean Climate. *Buildings*, **2019**, 9, 197	3.2	15
14	Daylighting design with lightscoop skylights: Towards an optimization of proportion and spacing under overcast sky conditions. *Energy and Buildings*, **2012**, 49, 394-401	7	15
13	Impact of daylight saving time on lighting energy consumption and on the biological clock for occupants in office buildings. *Solar Energy*, **2020**, 211, 1347-1364	6.8	14
12	Predictive method of the sky component in a courtyard under overcast sky conditions. *Solar Energy*, **2013**, 89, 89-99	6.8	13
11	Towards an analysis of the performance of lightwell skylights under overcast sky conditions. *Energy and Buildings*, **2013**, 64, 10-16	7	12
10	Dynamic Daylight Metrics for Electricity Savings in Offices: Window Size and Climate Smart Lighting Management. *Energies*, **2018**, 11, 3143	3.1	12
9	Daylight Spectrum Index: A New Metric to Assess the Affinity of Light Sources with Daylighting. *Energies*, **2018**, 11, 2545	3.1	11
8	Effect of Airtightness on Thermal Loads in Legacy Low-Income Housing. *Energies*, **2019**, 12, 1677	3.1	9
7	Minimum Daylight Autonomy: A New Concept to Link Daylight Dynamic Metrics with Daylight Factors. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2019**, 15, 251-269	3.5	9

6	Towards an analysis of the performance of monitor skylights under overcast sky conditions. *Energy and Buildings*, **2015**, 88, 248-261	7	9
5	Indoor Comfort and Symptomatology in Non-University Educational Buildings: Occupants Perception. *Atmosphere*, **2020**, 11, 357	2.7	6
4	Partial Daylight Autonomy (DAp): A New Lighting Dynamic Metric to Optimize the Design of Windows for Seasonal Use Spaces. *Applied Sciences (Switzerland)*, **2021**, 11, 8228	2.6	3
3	Assessment of Color Discrimination of Different Light Sources. *Buildings*, **2021**, 11, 527	3.2	2
2	Validation of a Dynamic Simulation of a Classroom HVAC System by Comparison with a Real Model **2017**, 381-392		1
1	Dynamic analysis of office lighting smart controls management based on user requirements. *Automation in Construction*, **2022**, 133, 104021	9.6	1