

# Ignacio Acosta

## 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.

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	Dynamic analysis of office lighting smart controls management based on user requirements. <i>Automation in Construction</i> , <b>2022</b> , 133, 104021	9.6	1
22	Assessment of Color Discrimination of Different Light Sources. <i>Buildings</i> , <b>2021</b> , 11, 527	3.2	2
21	Partial Daylight Autonomy (DAP): A New Lighting Dynamic Metric to Optimize the Design of Windows for Seasonal Use Spaces. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8228	2.6	3
20	Indoor Comfort and Symptomatology in Non-University Educational Buildings: Occupants' Perception. <i>Atmosphere</i> , <b>2020</b> , 11, 357	2.7	6
19	Impact of daylight saving time on lighting energy consumption and on the biological clock for occupants in office buildings. <i>Solar Energy</i> , <b>2020</b> , 211, 1347-1364	6.8	14
18	CO2 Concentration and Occupants' Symptoms in Naturally Ventilated Schools in Mediterranean Climate. <i>Buildings</i> , <b>2019</b> , 9, 197	3.2	15
17	Effect of Airtightness on Thermal Loads in Legacy Low-Income Housing. <i>Energies</i> , <b>2019</b> , 12, 1677	3.1	9
16	Minimum Daylight Autonomy: A New Concept to Link Daylight Dynamic Metrics with Daylight Factors. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , <b>2019</b> , 15, 251-269	3.5	9
15	Daylighting design for healthy environments: Analysis of educational spaces for optimal circadian stimulus. <i>Solar Energy</i> , <b>2019</b> , 193, 584-596	6.8	20
14	Energy efficiency and lighting design in courtyards and atriums: A predictive method for daylight factors. <i>Applied Energy</i> , <b>2018</b> , 211, 1216-1228	10.7	21
13	Dynamic Daylight Metrics for Electricity Savings in Offices: Window Size and Climate Smart Lighting Management. <i>Energies</i> , <b>2018</b> , 11, 3143	3.1	12
12	Daylight Spectrum Index: A New Metric to Assess the Affinity of Light Sources with Daylighting. <i>Energies</i> , <b>2018</b> , 11, 2545	3.1	11
11	Validation of a Dynamic Simulation of a Classroom HVAC System by Comparison with a Real Model <b>2017</b> , 381-392		1
10	Window design in architecture: Analysis of energy savings for lighting and visual comfort in residential spaces. <i>Applied Energy</i> , <b>2016</b> , 168, 493-506	10.7	72
9	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
8	Analysis of daylight factors and energy saving allowed by windows under overcast sky conditions. <i>Renewable Energy</i> , <b>2015</b> , 77, 194-207	8.1	45
7	Towards an analysis of the performance of monitor skylights under overcast sky conditions. <i>Energy and Buildings</i> , <b>2015</b> , 88, 248-261	7	9

6	Lighting design in courtyards: Predictive method of daylight factors under overcast sky conditions. <i>Renewable Energy</i> , <b>2014</b> , 71, 243-254	8.1	19
5	Daylighting design with lightscoop skylights: Towards an optimization of shape under overcast sky conditions. <i>Energy and Buildings</i> , <b>2013</b> , 60, 232-238	7	16
4	Towards an analysis of the performance of lightwell skylights under overcast sky conditions. <i>Energy and Buildings</i> , <b>2013</b> , 64, 10-16	7	12
3	Predictive method of the sky component in a courtyard under overcast sky conditions. <i>Solar Energy</i> , <b>2013</b> , 89, 89-99	6.8	13
2	Daylighting design with lightscoop skylights: Towards an optimization of proportion and spacing under overcast sky conditions. <i>Energy and Buildings</i> , <b>2012</b> , 49, 394-401	7	15
1	Towards an Analysis of Daylighting Simulation Software. <i>Energies</i> , <b>2011</b> , 4, 1010-1024	3.1	25