

# Ignacio Acosta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5141728/publications.pdf>

Version: 2024-02-01

23  
papers

598  
citations

567144

15  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Window design in architecture: Analysis of energy savings for lighting and visual comfort in residential spaces. Applied Energy, 2016, 168, 493-506.	5.1	111
2	Analysis of daylight factors and energy saving allowed by windows under overcast sky conditions. Renewable Energy, 2015, 77, 194-207.	4.3	66
3	Daylighting design for healthy environments: Analysis of educational spaces for optimal circadian stimulus. Solar Energy, 2019, 193, 584-596.	2.9	46
4	Energy efficiency and lighting design in courtyards and atriums: A predictive method for daylight factors. Applied Energy, 2018, 211, 1216-1228.	5.1	40
5	Analysis of the accuracy of the sky component calculation in daylighting simulation programs. Solar Energy, 2015, 119, 54-67.	2.9	32
6	Towards an Analysis of Daylighting Simulation Software. Energies, 2011, 4, 1010-1024.	1.6	31
7	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.	2.9	27
8	CO2 Concentration and Occupants's Symptoms in Naturally Ventilated Schools in Mediterranean Climate. Buildings, 2019, 9, 197.	1.4	26
9	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.	1.5	25
10	Dynamic Daylight Metrics for Electricity Savings in Offices: Window Size and Climate Smart Lighting Management. Energies, 2018, 11, 3143.	1.6	23
11	Lighting design in courtyards: Predictive method of daylight factors under overcast sky conditions. Renewable Energy, 2014, 71, 243-254.	4.3	22
12	Daylighting design with lightscoop skylights: Towards an optimization of shape under overcast sky conditions. Energy and Buildings, 2013, 60, 232-238.	3.1	19
13	Daylighting design with lightscoop skylights: Towards an optimization of proportion and spacing under overcast sky conditions. Energy and Buildings, 2012, 49, 394-401.	3.1	17
14	Towards an analysis of the performance of lightwell skylights under overcast sky conditions. Energy and Buildings, 2013, 64, 10-16.	3.1	17
15	Predictive method of the sky component in a courtyard under overcast sky conditions. Solar Energy, 2013, 89, 89-99.	2.9	17
16	Daylight Spectrum Index: A New Metric to Assess the Affinity of Light Sources with Daylighting. Energies, 2018, 11, 2545.	1.6	15
17	Towards an analysis of the performance of monitor skylights under overcast sky conditions. Energy and Buildings, 2015, 88, 248-261.	3.1	13
18	Effect of Airtightness on Thermal Loads in Legacy Low-Income Housing. Energies, 2019, 12, 1677.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Indoor Comfort and Symptomatology in Non-University Educational Buildings: Occupants's Perception. Atmosphere, 2020, 11, 357.	1.0	11
20	Dynamic analysis of office lighting smart controls management based on user requirements. Automation in Construction, 2022, 133, 104021.	4.8	11
21	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.	1.3	10
22	Assessment of Color Discrimination of Different Light Sources. Buildings, 2021, 11, 527.	1.4	5
23	Validation of a Dynamic Simulation of a Classroom HVAC System by Comparison with a Real Model. , 2017, , 381-392.		1