

Jan Wienold

List of Publications by Citations

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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.

36
papers

1,095
citations

13
h-index

33
g-index

38
ext. papers

1,323
ext. citations

4
avg, IF

5.1
L-index

#	Paper	IF	Citations
36	Evaluation methods and development of a new glare prediction model for daylight environments with the use of CCD cameras. <i>Energy and Buildings</i> , 2006 , 38, 743-757	6.9	477
35	The daylighting dashboard – A simulation-based design analysis for daylit spaces. <i>Building and Environment</i> , 2011 , 46, 386-396	6.5	177
34	Adequacy of Immersive Virtual Reality for the Perception of Daylit Spaces: Comparison of Real and Virtual Environments. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2019 , 15, 203-226	3.4	59
33	Fener: A Radiance-based modelling approach to assess the thermal and daylighting performance of complex fenestration systems in office spaces. <i>Energy and Buildings</i> , 2015 , 94, 10-20	6.9	41
32	Daylight affects human thermal perception. <i>Scientific Reports</i> , 2019 , 9, 13690	4.7	38
31	Review of Factors Influencing Discomfort Glare Perception from Daylight. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2018 , 14, 111-148	3.4	37
30	Subjective and physiological responses to façade and sunlight pattern geometry in virtual reality. <i>Building and Environment</i> , 2019 , 150, 144-155	6.5	37
29	Cross-validation and robustness of daylight glare metrics. <i>Lighting Research and Technology</i> , 2019 , 51, 983-1013	2	30
28	Combined effects of daylight transmitted through coloured glazing and indoor temperature on thermal responses and overall comfort. <i>Building and Environment</i> , 2018 , 144, 583-597	6.5	27
27	Novel heating and cooling concept employing rainwater cisterns and thermo-active building systems for a residential building. <i>Applied Energy</i> , 2010 , 87, 650-660	10.5	20
26	Daylight Discomfort Glare Evaluation with Evalglare: Influence of Parameters and Methods on the Accuracy of Discomfort Glare Prediction. <i>Buildings</i> , 2018 , 8, 94	3.1	15
25	Influence of indoor temperature and daylight illuminance on visual perception. <i>Lighting Research and Technology</i> , 2020 , 52, 350-370	2	14
24	Discomfort glare perception in daylighting: influencing factors. <i>Energy Procedia</i> , 2017 , 122, 331-336	2.3	13
23	Characterization of indoor photovoltaic devices and light 2009 ,		11
22	Physical Validation of Global Illumination Methods: Measurement and Error Analysis. <i>Computer Graphics Forum</i> , 2004 , 23, 761-781	2.2	11
21	Gaze and discomfort glare, Part 1: Development of a gaze-driven photometry. <i>Lighting Research and Technology</i> , 2017 , 49, 845-865	2	10
20	Tutorial: Luminance Maps for Daylighting Studies from High Dynamic Range Photography. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 140-169	3.4	10

19	Window Size Effects on Subjective Impressions of Daylit Spaces: Indoor Studies at High Latitudes Using Virtual Reality. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 242-264	3.4	9
18	Comparing performance of discomfort glare metrics in high and low adaptation levels. <i>Building and Environment</i> , 2021 , 206, 108335	6.5	9
17	Temperature-Color Interaction: Subjective Indoor Environmental Perception and Physiological Responses in Virtual Reality. <i>Human Factors</i> , 2021 , 63, 474-502	3.7	8
16	Modeling specular transmission of complex fenestration systems with data-driven BSDFs. <i>Building and Environment</i> , 2021 , 196, 107774	6.5	6
15	Effect of Indoor Temperature and Glazing with Saturated Color on Visual Perception of Daylight. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 183-204	3.4	4
14	Regional Differences in the Perception of Daylit Scenes across Europe Using Virtual Reality. Part I: Effects of Window Size. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-22	3.4	4
13	Computer-oriented building design: Advances in daylighting and thermal simulation tools. <i>Renewable Energy</i> , 1998 , 14, 351-356	8	4
12	Behind electrochromic glazing: Assessing user's perception of glare from the sun in a controlled environment. <i>Energy and Buildings</i> , 2021 , 111738	6.9	3
11	Energieoptimierte Beleuchtung bei gleichzeitiger Verbesserung der Lebensqualität durch Nutzung von Tageslicht und neuer Lampen- und Vorschalttechnik. <i>Bauphysik</i> , 2012 , 34, 85-100	0.4	2
10	COGNITIVE PERFORMANCE EVALUATION UNDER CONTROLLED DAYLIGHT LEVELS AT DIFFERENT INDOOR TEMPERATURES 2019 ,		2
9	Shaping light to influence occupants' experience of space: a kinetic shading system with composite materials. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012162	0.2	1
8	Correspondence: Discussion of the cross validation and robustness of daylight glare metrics <i>Lighting Research and Technology</i> , 2020 , 52, 314-317	2	1
7	Energy Performance And Occupancy-Based Analysis Of Visual And Thermal Comfort For Transmittance Level And Layout Variations Of Semi-Transparent Photovoltaics		1
6	Is there a difference in how people from different socio-environmental contexts perceive discomfort due to glare from daylight?. <i>Lighting Research and Technology</i> , 147715352098353	2	0
5	Regional Differences in the Perception of Daylit Scenes across Europe Using Virtual Reality. Part II: Effects of Façade and Daylight Pattern Geometry. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-25	3.4	0
4	Efficient Simulation for Visual Comfort Evaluations. <i>Energy and Buildings</i> , 2022 , 267, 112141	6.9	0
3	Correspondence: Investigation of Evalglare software, daylight glare probability and high dynamic range imaging for daylight glare analysis. <i>Lighting Research and Technology</i> , 2018 , 50, 329-330	2	
2	Environmental preferences of occupants: A multi-domain approach in the Swiss open office case study. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012131	0.2	

- 1 Subjective assessment of visual comfort in a daylit workplace with an electrochromic glazed façade. 0.2
Journal of Physics: Conference Series, **2021**, 2042, 012179