

# Jan Wienold

## 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.

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	Efficient Simulation for Visual Comfort Evaluations. <i>Energy and Buildings</i> , <b>2022</b> , 267, 112141	6.9	0
35	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> , <b>2021</b> , 17, 242-264	3.4	9
34	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> , <b>2021</b> , 17, 183-204	3.4	4
33	Temperature-Color Interaction: Subjective Indoor Environmental Perception and Physiological Responses in Virtual Reality. <i>Human Factors</i> , <b>2021</b> , 63, 474-502	3.7	8
32	Tutorial: Luminance Maps for Daylighting Studies from High Dynamic Range Photography. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , <b>2021</b> , 17, 140-169	3.4	10
31	Modeling specular transmission of complex fenestration systems with data-driven BSDFs. <i>Building and Environment</i> , <b>2021</b> , 196, 107774	6.5	6
30	Environmental preferences of occupants: A multi-domain approach in the Swiss open office case study. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2042, 012131	0.2	
29	Subjective assessment of visual comfort in a daylit workplace with an electrochromic glazed façade. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2042, 012179	0.2	
28	Behind electrochromic glazing: Assessing user's perception of glare from the sun in a controlled environment. <i>Energy and Buildings</i> , <b>2021</b> , 111738	6.9	3
27	Comparing performance of discomfort glare metrics in high and low adaptation levels. <i>Building and Environment</i> , <b>2021</b> , 206, 108335	6.5	9
26	Influence of indoor temperature and daylight illuminance on visual perception. <i>Lighting Research and Technology</i> , <b>2020</b> , 52, 350-370	2	14
25	Correspondence: Discussion of [The cross validation and robustness of daylight glare metrics]	2	1
24	Subjective and physiological responses to façade and sunlight pattern geometry in virtual reality. <i>Building and Environment</i> , <b>2019</b> , 150, 144-155	6.5	37
23	Daylight affects human thermal perception. <i>Scientific Reports</i> , <b>2019</b> , 9, 13690	4.7	38
22	Cross-validation and robustness of daylight glare metrics. <i>Lighting Research and Technology</i> , <b>2019</b> , 51, 983-1013	2	30
21	Shaping light to influence occupants' experience of space: a kinetic shading system with composite materials. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1343, 012162	0.2	1
20	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> , <b>2019</b> , 15, 203-226	3.4	59

19	COGNITIVE PERFORMANCE EVALUATION UNDER CONTROLLED DAYLIGHT LEVELS AT DIFFERENT INDOOR TEMPERATURES <b>2019</b> ,		2
18	Review of Factors Influencing Discomfort Glare Perception from Daylight. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , <b>2018</b> , 14, 111-148	3.4	37
17	Correspondence: Investigation of Evalglare software, daylight glare probability and high dynamic range imaging for daylight glare analysis. <i>Lighting Research and Technology</i> , <b>2018</b> , 50, 329-330		2
16	Daylight Discomfort Glare Evaluation with Evalglare: Influence of Parameters and Methods on the Accuracy of Discomfort Glare Prediction. <i>Buildings</i> , <b>2018</b> , 8, 94	3.1	15
15	Combined effects of daylight transmitted through coloured glazing and indoor temperature on thermal responses and overall comfort. <i>Building and Environment</i> , <b>2018</b> , 144, 583-597	6.5	27
14	Gaze and discomfort glare, Part 1: Development of a gaze-driven photometry. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 845-865	2	10
13	Discomfort glare perception in daylighting: influencing factors. <i>Energy Procedia</i> , <b>2017</b> , 122, 331-336	2.3	13
12	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> , <b>2015</b> , 94, 10-20	6.9	41
11	Energieoptimierte Beleuchtung bei gleichzeitiger Verbesserung der Lebensqualität durch Nutzung von Tageslicht und neuer Lampen- und Vorschalttechnik. <i>Bauphysik</i> , <b>2012</b> , 34, 85-100	0.4	2
10	The daylighting dashboard I A simulation-based design analysis for daylit spaces. <i>Building and Environment</i> , <b>2011</b> , 46, 386-396	6.5	177
9	Novel heating and cooling concept employing rainwater cisterns and thermo-active building systems for a residential building. <i>Applied Energy</i> , <b>2010</b> , 87, 650-660	10.5	20
8	Characterization of indoor photovoltaic devices and light <b>2009</b> ,		11
7	Evaluation methods and development of a new glare prediction model for daylight environments with the use of CCD cameras. <i>Energy and Buildings</i> , <b>2006</b> , 38, 743-757	6.9	477
6	Physical Validation of Global Illumination Methods: Measurement and Error Analysis. <i>Computer Graphics Forum</i> , <b>2004</b> , 23, 761-781	2.2	11
5	Computer-oriented building design: Advances in daylighting and thermal simulation tools. <i>Renewable Energy</i> , <b>1998</b> , 14, 351-356	8	4
4	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
3	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
2	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

1 Energy Performance And Occupancy-Based Analysis Of Visual And Thermal Comfort For Transmittance Level And Layout Variations Of Semi-Transparent Photovoltaics

1