

John Mardaljevic

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.

37
papers

1,967
citations

17
h-index

44
g-index

48
ext. papers

2,165
ext. citations

3
avg, IF

5.25
L-index

#	Paper	IF	Citations
37	Dynamic Daylight Performance Metrics for Sustainable Building Design. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2006 , 3, 7-31	3.4	363
36	Useful daylight illuminances: A replacement for daylight factors. <i>Energy and Buildings</i> , 2006 , 38, 905-913	6.9	357
35	Useful daylight illuminance: a new paradigm for assessing daylight in buildings. <i>Lighting Research and Technology</i> , 2005 , 37, 41-57	2	292
34	Daylight metrics and energy savings. <i>Lighting Research and Technology</i> , 2009 , 41, 261-283	2	173
33	Validation of a lighting simulation program under real sky conditions. <i>Lighting Research and Technology</i> , 1995 , 27, 181-188	2	111
32	Simulation of annual daylighting profiles for internal illuminance. <i>Lighting Research and Technology</i> , 2000 , 32, 111-118	2	101
31	A framework for predicting the non-visual effects of daylight [Part I: photobiology- based model. <i>Lighting Research and Technology</i> , 2012 , 44, 37-53	2	90
30	Climate fluctuations and the spring invasion of the North Sea by <i>Calanus finmarchicus</i> . <i>Fisheries Oceanography</i> , 1999 , 8, 163-176	2.3	78
29	The BRE-IDMP dataset: a new benchmark for the validation of illuminance prediction techniques. <i>Lighting Research and Technology</i> , 2001 , 33, 117-134	2	50
28	Irradiation mapping of complex urban environments: an image-based approach. <i>Energy and Buildings</i> , 2003 , 35, 27-35	6.9	45
27	Daylighting buildings: Standards and the needs of the designer. <i>Lighting Research and Technology</i> , 2018 , 50, 63-79	2	28
26	A framework for predicting the non-visual effects of daylight [Part II: The simulation model. <i>Lighting Research and Technology</i> , 2014 , 46, 388-406	2	25
25	Climate-Based Daylight Modelling for compliance verification: Benchmarking multiple state-of-the-art methods. <i>Building and Environment</i> , 2019 , 158, 151-164	6.5	24
24	Climate connectivity in the daylight factor basis of building standards. <i>Building and Environment</i> , 2017 , 113, 200-209	6.5	20
23	Electrochromic glazing and facade photovoltaic panels: a strategic assessment of the potential energy benefits. <i>Lighting Research and Technology</i> , 2008 , 40, 55-76	2	18
22	Modelling the population dynamics of <i>Calanus</i> in the Fair Isle current of northern Scotland. <i>Journal of Sea Research</i> , 1997 , 38, 381-412	2	18
21	A model of the spring migration into the North Sea by <i>Calanus finmarchicus</i> overwintering off the Scottish continental shelf. <i>Fisheries Oceanography</i> , 1999 , 8, 107-125	2.3	17

20	Evaluation of climate-based daylighting techniques for complex fenestration and shading systems. <i>Energy and Buildings</i> , 2019 , 203, 109454	6.9	16
19	Sky model blends for predicting internal illuminance: a comparison founded on the BRE-IDMP dataset. <i>Journal of Building Performance Simulation</i> , 2008 , 1, 163-173	2.8	15
18	Spatio-temporal dynamics of solar shading for a parametrically defined roof system. <i>Energy and Buildings</i> , 2004 , 36, 815-823	6.9	15
17	Influence of input reflectance values on climate-based daylight metrics using sensitivity analysis. <i>Journal of Building Performance Simulation</i> , 2018 , 11, 333-349	2.8	15
16	Transmission illuminance proxy HDR imaging: A new technique to quantify luminous flux. <i>Lighting Research and Technology</i> , 2009 , 41, 27-49	2	12
15	Quantification of parallax errors in sky simulator domes for clear sky conditions. <i>Lighting Research and Technology</i> , 2002 , 34, 313-327	2	10
14	Neutral daylight illumination with variable transmission glass: Theory and validation. <i>Lighting Research and Technology</i> , 2016 , 48, 267-285	2	9
13	New tools for managing daylight exposure of works of art: case study of Hambletonian, Mount Stewart, Northern Ireland. <i>Journal of the Institute of Conservation</i> , 2017 , 40, 15-33	0.4	9
12	The sunlight beam index. <i>Lighting Research and Technology</i> , 2016 , 48, 55-69	2	7
11	Evaluation of a Mixed Method Approach for Studying User Interaction with Novel Building Control Technology. <i>Energies</i> , 2016 , 9, 215	3.1	3
10	Electrochromic Glazing in Buildings: A Case Study 2015 , 571-592		3
9	Balancing daylight and overheating in low-energy design using CIBSE improved weather files. <i>Building Services Engineering Research and Technology</i> , 2020 , 41, 210-224	2.3	3
8	Narrow line profiles and interacting gas flows in active galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1986 , 218, 651-662	4.3	3
7	Multiscale Daylight Modeling for Urban Environments 159-190		3
6	The implementation of natural lighting for human health from a planning perspective. <i>Lighting Research and Technology</i> , 2021 , 53, 489-513	2	2
5	Opinion: Inconvenient, or simply overlooked?. <i>Lighting Research and Technology</i> , 2016 , 48, 520-520	2	1
4	Improved Daylight Management of Historic Showrooms: A Methodology Based on Detailed Recording and Analysis. <i>Studies in Conservation</i> , 2020 , 65, P18-P24	0.6	0
3	Reconstruction of cumulative daylight illumination fields from high dynamic range imaging: Theory, deployment and in-situ validation. <i>Lighting Research and Technology</i> , 2021 , 53, 311-331	2	0

- 2 Assessing daylight performance in use: A comparison between long-term daylight measurements and simulations. *Energy and Buildings*, **2022**, 262, 111989 6.9 ○
- 1 A Study on Daylight Distribution and the Associated Heat Gain of a Typical Flat in Hong Kong Commercial Buildings. *Journal of Light and Visual Environment*, **2010**, 34, 105-110