

Kevin Houser

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.

56
papers

1,403
citations

22
h-index

36
g-index

96
ext. papers

1,662
ext. citations

3.2
avg, IF

5.35
L-index

#	Paper	IF	Citations
56	Development of the IES method for evaluating the color rendition of light sources. <i>Optics Express</i> , 2015 , 23, 15888-906	3.2	137
55	A review of colour rendering indices and their application to commercial light sources. <i>Lighting Research and Technology</i> , 2004 , 36, 183-197	2	99
54	Saving energy in an office environment: A serious game intervention. <i>Energy and Buildings</i> , 2014 , 74, 43-52	6.9	87
53	Review of measures for light-source color rendition and considerations for a two-measure system for characterizing color rendition. <i>Optics Express</i> , 2013 , 21, 10393-411	3.2	88
52	Color Preference under LEDs with Diminished Yellow Emission. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2014 , 10, 119-131	3.4	68
51	Tutorial: Color Rendering and Its Applications in Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2016 , 12, 7-26	3.4	49
50	Human perceptions of colour rendition vary with average fidelity, average gamut, and gamut shape. <i>Lighting Research and Technology</i> , 2017 , 49, 966-991	2	45
49	Tuning the Fluorescent Spectrum for the Trichromatic Visual Response: A Pilot Study. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2005 , 1, 7-23	3.4	42
48	The subjective response to linear fluorescent direct/indirect lighting systems. <i>Lighting Research and Technology</i> , 2002 , 34, 243-260	2	41
47	Colour gamut size and shape influence colour preference. <i>Lighting Research and Technology</i> , 2017 , 49, 992-1014	2	38
46	Field study of office worker responses to fluorescent lighting of different CCT and lumen output. <i>Journal of Environmental Psychology</i> , 2014 , 39, 62-76	6.6	37
45	Perceptual responses to LED illumination with colour rendering indices of 85 and 97. <i>Lighting Research and Technology</i> , 2015 , 47, 810-827	2	34
44	Color discrimination capability under highly structured spectra. <i>Color Research and Application</i> , 2012 , 37, 441-449	1.2	33
43	Systematic Changes in Gamut Size Affect Color Preference. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2017 , 13, 23-32	3.4	32
42	Light therapy for seniors in long term care. <i>Journal of the American Medical Directors Association</i> , 2012 , 13, 100-2	4.7	35
41	Higher Color Temperature Lamps May Not Appear Brighter. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2006 , 3, 69-81	3.4	29
40	Whiteness Perception under LED Illumination. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2014 , 10, 165-180	3.4	31

39	What Is the Cause of Apparent Preference for Sources with Chromaticity below the Blackbody Locus?. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2016 , 12, 95-99	3-4	28
38	Human-centric lighting: Myth, magic or metaphor?. <i>Lighting Research and Technology</i> , 2021 , 53, 97-118	2	27
37	LEDs for General Illumination: The State of the Science. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2006 , 3, 121-142	3-4	28
36	Measuring the subjective response to interior lighting: paired comparisons and semantic differential scaling. <i>Lighting Research and Technology</i> , 2003 , 35, 183-195	2	26
35	A Review of Human Physiological Responses to Light: Implications for the Development of Integrative Lighting Solutions. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2018 , 11, 1-28	3-4	23
34	Models of colour quality over a wide range of spectral power distributions. <i>Lighting Research and Technology</i> , 2019 , 51, 331-352	2	22
33	Judging the Scientific Quality of Applied Lighting Research. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2019 , 15, 97-114	3-4	21
32	Research Methods to Avoid Bias in Categorical Ratings of Brightness. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2009 , 5, 167-181	3-4	21
31	Human-Centric Lighting: Foundational Considerations and a Five-Step Design Process. <i>Frontiers in Neurology</i> , 2021 , 12, 630553	4	20
30	A Test of the S/P Ratio as a Correlate for Brightness Perception using Rapid-Sequential and Side-by-Side Experimental Protocols. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2009 , 6, 119-137	3-4	20
29	Status of Solid-State Lighting Based on Entries to the 2010 US DOE Next Generation Luminaire Competition. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2012 , 8, 237-259	3-4	20
28	Spatial Brightness Perception of Trichromatic Stimuli. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2012 , 9, 89-108	3-4	19
27	Visually matching daylight fluorescent lamplight with two primary sets. <i>Color Research and Application</i> , 2004 , 29, 428-437	1.2	17
26	Chroma Shift and Gamut Shape: Going Beyond Average Color Fidelity and Gamut Area. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2018 , 14, 149-165	3-4	15
25	A new measure of colour discrimination for LEDs and other light sources. <i>Lighting Research and Technology</i> , 2019 , 51, 5-23	2	15
24	Large-field color matching functions. <i>Color Research and Application</i> , 2006 , 31, 18-29	1.2	14
23	Whiteness metric for light sources of arbitrary color temperatures: proposal and application to light-emitting-diodes. <i>Optics Express</i> , 2013 , 21, 16702-15	3-2	13
22	Lamp spectrum and spatial brightness at photopic levels: A basis for developing a metric. <i>Lighting Research and Technology</i> , 2015 , 47, 80-102	2	10

21	A Procedure for Determining Target Illuminances. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2011 , 7, 145-158	3-4	13
20	Toward the Accuracy of Lighting Simulations in Physically Based Computer Graphics Software. <i>Leukos</i> , 1999 , 28, 117-129		10
19	Tuning the fluorescent spectrum for the trichromatic visual response: A pilot study. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2004 , 01, 7-24	3-4	9
18	Using Forced Choice Discrimination to Measure the Perceptual Response to Light of Different Characteristics. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2013 , 9, 245-259	3-4	8
17	Illuminance Uniformity of Outdoor Sports Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2011 , 7, 221-235	3-4	8
16	A Vector Field Color Rendition Model for Characterizing Color Shifts and Metameric Mismatch. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 16, 99-114	3-4	6
15	On the Relationship between Object Modeling and the Subjective Response. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2005 , 2, 13-28	3-4	4
14	Adjustable correlated colour temperature for surgical lighting. <i>Lighting Research and Technology</i> , 2019 , 51, 280-290	2	3
13	Light Loss Factors for Sports Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2010 , 6, 183-201	3-4	3
12	A Test of the S/P Ratio as a Correlate for Brightness Perception using Rapid-Sequential and Side-by-Side Experimental Protocols		2
11	The IQCam Digital Image Photometer System: Principles of Operation and Comparative Performance. <i>Leukos</i> , 1999 , 28, 182-200		3
10	Recommended methods for conducting human factors experiments on the subjective evaluation of colour rendition. <i>Lighting Research and Technology</i> , 147715352110198	2	2
9	Spectral and electrical performance of screw-based dimmable compact fluorescent lamps. <i>Lighting Research and Technology</i> , 2003 , 35, 331-342	2	2
8	Algebraic Expression of the V(λ) Function. <i>Leukos</i> , 2004 , 33, 30-33		2
7	Office Worker Response to Fluorescent Lamps of Different CCT and Lumen Output 2013 ,		1
6	A versatile spectral lamp measurement system. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2003 , 52, 832-838	4.6	1
5	The UNL trichromatic colorimeter. <i>Color Research and Application</i> , 2005 , 30, 209-220	1.2	1
4	Improved Method for Evaluating and Specifying the Chromaticity of Light Sources. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-18	3-4	

3	A method and tool to determine the colorimetric and photobiological properties of light transmitted through glass and other optical materials. <i>Building and Environment</i> , 2022 , 215, 108957	6.5	o
2	The authorsTreply Sir.. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2010 , 7, 12-19	3-4	
1	Algebraic Expressions of the CIE Standard Observers and Stockman Cone Fundamentals. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2005 , 1, 81-90	3-4	