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New Model for Mesopic Photometry and its Application to Road Lighting

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#	Paper	IF	Citations
25	Mesopic visual efficiency I: detection threshold measurements. <i>Lighting Research and Technology</i> , 2007 , 39, 319-334	2	23
24	Mesopic visual efficiency III: Discrimination threshold measurements. <i>Lighting Research and Technology</i> , 2007 , 39, 355-364	2	19
23	Making the move to a unified system of photometry. <i>Lighting Research and Technology</i> , 2007 , 39, 393-408		23
22	Modeling spectral sensitivity at low light levels based on mesopic visual performance. <i>Clinical Ophthalmology</i> , 2008 , 2, 173-85	2.5	13
21	Research on Facial Recognition and Color Identification under CMH and HPS Lamps for Road Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2009 , 6, 169-178	3.5	16
20	Photometry in the dark: time dependent visibility of low intensity light sources. <i>Optics Express</i> , 2010 , 18, 26293-9	3.3	37
19	A Procedure for Determining Target Illuminances. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2011 , 7, 145-158	3.5	10
18	Energy-saving approaches to solid state street lighting. 2011 ,		3
17	Persistent Phosphors. <i>Fundamental Theories of Physics</i> , 2015 , 1-108	0.8	23
16	Applicability of mesopic factors to the driving task. <i>Lighting Research and Technology</i> , 2016 , 48, 70-82	2	9
15	Effects of transient adaptation on drivers' visual performance in road tunnel lighting. <i>Tunnelling and Underground Space Technology</i> , 2017 , 70, 42-54	5.7	13
14	Sky Quality Meter measurements in a colour-changing world. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 2966-2979	4.3	68
13	The Impact of LED Correlated Color Temperature on Visual Performance Under Mesopic Conditions. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-16	1.8	10
12	A MODIFICATION OF THE MESOPIC LUMINANCE EQUATION IN THE CIE MESOPIC PHOTOMETRY SYSTEM FOR A BETTER REPRESENTATION OF THE MESOPIC VISION IN THE WHOLE VISUAL FIELD. <i>Journal of Environmental Engineering (Japan)</i> , 2017 , 82, 113-119	0.3	1
11	Determining minimum visibility levels in different road lighting scenarios. <i>Lighting Research and Technology</i> , 2018 , 50, 1045-1056	2	5
10	Colour remote sensing of the impact of artificial light at night (I): The potential of the International Space Station and other DSLR-based platforms. <i>Remote Sensing of Environment</i> , 2019 , 224, 92-103	13.2	55
9	Evaluating the blue-light hazard from solid state lighting. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019 , 25, 311-320	2.1	28

8	Spectral Optimization of White LED Based on Mesopic Luminance and Color Gamut Volume for Dim Lighting Conditions. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3579	2.6	5
7	The Impact of LED Colour Rendering on Reaction Time of Human Eyes in Tunnel Interior Zone. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-19	1.3	
6	Rapid cohort generation and analysis of disease spectrum of large animal model of cone dystrophy. <i>PLoS ONE</i> , 2013 , 8, e71363	3.7	16
5	Vision at Mesopic Light Levels. 2008 ,		
4	References. 2008 , 341-364		
3	References. 2014 , 611-666		
2	Seeing in Extra Darkness Using a Deep-Red Flash. 2021 ,		1
1	Estimation of Mesopic Adaptation Luminance under Different Surrounding Lighting Ambience. 2020 ,		0