

Qi Yao

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.

21
papers

197
citations

5
h-index

14
g-index

24
ext. papers

318
ext. citations

4
avg, IF

3.32
L-index

#	Paper	IF	Citations
21	Fluorescence Spectrometry based Chromaticity Mapping, Characterization, and Quantitative Assessment of Dental Caries.. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022 , 37, 102711	3.5	0
20	Band selection for mapping chromophores of skin tissue.. <i>Journal of Biophotonics</i> , 2022 , e202200038	3.1	
19	Adaptive denoising hyperspectral data for visualization enhancement of intraoperative tissue.. <i>Journal of Biophotonics</i> , 2022 , e202200083	3.1	1
18	The Circadian Effect Versus Mesopic Vision Effect in Road Lighting Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6975	2.6	4
17	YAG:Ce Transparent Ceramic Phosphors Brighten the Next-Generation Laser-Driven Lighting. <i>Advanced Materials</i> , 2020 , 32, e1907888	24	127
16	Efficient circadian daylighting: A proposed equation, experimental validation, and the consequent importance of room surface reflectance. <i>Energy and Buildings</i> , 2020 , 210, 109784	7	14
15	Chromaticity-based real-time assessment of melanopic and luminous efficiency of smartphone displays. <i>Optics Express</i> , 2020 , 28, 4898-4910	3.3	3
14	Quantification assessment of light pollution of faade lighting display in Shenzhen, China. <i>Optics Express</i> , 2020 , 28, 14100-14108	3.3	2
13	Luminous and Melanopic Efficiency Performance of Phosphor-Converted LEDs with Tunable Spectral Characteristics. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6198	2.6	
12	Tri-chromatic quantum-dot synthesized sun-like white light-emitting diodes reaching maximum spectral similarity of 0.98. <i>Optics and Laser Technology</i> , 2020 , 121, 105828	4.2	1
11	Comparisons of Scotopic/Photopic Ratios Using 2- and 10-Degree Spectral Sensitivity Curves. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4471	2.6	2
10	Quantification of Trichromatic Light Sources to Achieve Tunable Photopic and Mesopic Luminous Efficacy of Radiation. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2019 , 15, 271-280	3.5	1
9	R ratio approach for evaluation of scotopic/photopic ratios of light source performance at varying CCTs. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 1730-1734 ¹⁸		
8	Illuminance Reconstruction of Road Lighting in Urban Areas for Efficient and Healthy Lighting Performance Evaluation. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1646	2.6	8
7	Establishing Functional Model of Photometric Performance of Trichromatic Light Sources in Chromaticity Diagrams. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-12	1.8	4
6	Evaluation of Several Different Types of Uniformity Metrics and Their Correlation with Subjective Perceptions. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2017 , 13, 33-45	3.5	2
5	Establishment of Vision Effect Diagram for Optimization of Smart LED Lighting. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	6

4	Spectral reflectance luminous efficacy. <i>Optik</i> , 2015 , 126, 5790-5796	2.5	1
3	Relationship between Peak Wavelength and Dominant Wavelength of Light Sources Based on Vector-Based Dominant Wavelength Calculation Method. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2014 , 10, 11-18	3.5	5
2	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
1	Effectiveness of Light Source Efficiency for Characterization of Colored Surface Luminance. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-13	3.5	