

# Qi Yao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4739907/publications.pdf>

Version: 2024-02-01

21  
papers

431  
citations

1477746

6  
h-index

887659

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

361  
citing authors

#	ARTICLE	IF	CITATIONS
1	YAG:Ce <sup>3+</sup> Transparent Ceramic Phosphors Brighten the Next-Generation Laser-Driven Lighting. <i>Advanced Materials</i> , 2020, 32, e1907888.	11.1	323
2	Efficient circadian daylighting: A proposed equation, experimental validation, and the consequent importance of room surface reflectance. <i>Energy and Buildings</i> , 2020, 210, 109784.	3.1	25
3	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.	1.5	19
4	Illuminance Reconstruction of Road Lighting in Urban Areas for Efficient and Healthy Lighting Performance Evaluation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1646.	1.3	11
5	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.	1.5	7
6	Establishment of Vision Effect Diagram for Optimization of Smart LED Lighting. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	1.0	6
7	Establishing Functional Model of Photometric Performance of Trichromatic Light Sources in Chromaticity Diagrams. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	1.0	6
8	The Circadian Effect Versus Mesopic Vision Effect in Road Lighting Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6975.	1.3	6
9	Quantification assessment of light pollution of façade lighting display in Shenzhen, China. <i>Optics Express</i> , 2020, 28, 14100.	1.7	6
10	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.	2.2	4
11	Chromaticity-based real-time assessment of melanopic and luminous efficiency of smartphone displays. <i>Optics Express</i> , 2020, 28, 4898.	1.7	4
12	Fluorescence spectrometry based chromaticity mapping, characterization, and quantitative assessment of dental caries. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102711.	1.3	4
13	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.	1.5	3
14	Spectral reflectance luminous efficacy. <i>Optik</i> , 2015, 126, 5790-5796.	1.4	2
15	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.	1.5	2
16	Comparisons of Scotopic/Photopic Ratios Using 2- and 10-Degree Spectral Sensitivity Curves. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4471.	1.3	2
17	Adaptive denoising hyperspectral data for visualization enhancement of intraoperative tissue. <i>Journal of Biophotonics</i> , 2022, , e202200083.	1.1	1
18	Luminous and Melanopic Efficiency Performance of Phosphor-Converted LEDs with Tunable Spectral Characteristics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6198.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Effectiveness of Light Source Efficiency for Characterization of Colored Surface Luminance. LEUKOS - Journal of Illuminating Engineering Society of North America, 0, , 1-13.	1.5	0
20	R <sub>sp</sub> ratio approach for evaluation of scotopic/photopic ratios of light source performance at varying CCTs. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1730.	0.8	0
21	Band selection for mapping chromophores of skin tissue. Journal of Biophotonics, 2022, , e202200038.	1.1	0