# Qi Yao

## List of Publications by Citations



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|---|---|---|---|
| 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 | YAG:Ce Transparent Ceramic Phosphors Brighten the Next-Generation Laser-Driven Lighting. *Advanced Materials*, **2020**, 32, e1907888 | 24 | 127 |
| 20 | Research on Facial Recognition and Color Identification under CMH and HPS Lamps for Road Lighting. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2009**, 6, 169-178 | 3.5 | 16 |
| 19 | Efficient circadian daylighting: A proposed equation, experimental validation, and the consequent importance of room surface reflectance. *Energy and Buildings*, **2020**, 210, 109784 | 7 | 14 |
| 18 | Illuminance Reconstruction of Road Lighting in Urban Areas for Efficient and Healthy Lighting Performance Evaluation. *Applied Sciences (Switzerland)*, **2018**, 8, 1646 | 2.6 | 8 |
| 17 | Establishment of Vision Effect Diagram for Optimization of Smart LED Lighting. *IEEE Photonics Journal*, **2016**, 8, 1-8 | 1.8 | 6 |
| 16 | Relationship between Peak Wavelength and Dominant Wavelength of Light Sources Based on Vector-Based Dominant Wavelength Calculation Method. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2014**, 10, 11-18 | 3.5 | 5 |
| 15 | The Circadian Effect Versus Mesopic Vision Effect in Road Lighting Applications. *Applied Sciences (Switzerland)*, **2020**, 10, 6975 | 2.6 | 4 |
| 14 | Establishing Functional Model of Photometric Performance of Trichromatic Light Sources in Chromaticity Diagrams. *IEEE Photonics Journal*, **2018**, 10, 1-12 | 1.8 | 4 |
| 13 | Chromaticity-based real-time assessment of melanopic and luminous efficiency of smartphone displays. *Optics Express*, **2020**, 28, 4898-4910 | 3.3 | 3 |
| 12 | Evaluation of Several Different Types of Uniformity Metrics and Their Correlation with Subjective Perceptions. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2017**, 13, 33-45 | 3.5 | 2 |
| 11 | Quantification assessment of light pollution of fa□de lighting display in Shenzhen, China. *Optics Express*, **2020**, 28, 14100-14108 | 3.3 | 2 |
| 10 | Comparisons of Scotopic/Photopic Ratios Using 2- and 10-Degree Spectral Sensitivity Curves. *Applied Sciences (Switzerland)*, **2019**, 9, 4471 | 2.6 | 2 |
| 9 | Spectral reflectance luminous efficacy. *Optik*, **2015**, 126, 5790-5796 | 2.5 | 1 |
| 8 | Quantification of Trichromatic Light Sources to Achieve Tunable Photopic and Mesopic Luminous Efficacy of Radiation. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2019**, 15, 271-280 | 3.5 | 1 |
| 7 | Tri-chromatic quantum-dot synthesized sun-like white light-emitting diodes reaching maximum spectral similarity of 0.98. *Optics and Laser Technology*, **2020**, 121, 105828 | 4.2 | 1 |
| 6 | Adaptive denoising hyperspectral data for visualization enhancement of intraoperative tissue.. *Journal of Biophotonics*, **2022**, e202200083 | 3.1 | 1 |
| 5 | Fluorescence Spectrometry based Chromaticity Mapping, Characterization, and Quantitative Assessment of Dental Caries.. *Photodiagnosis and Photodynamic Therapy*, **2022**, 37, 102711 | 3.5 | 0 |

# List of Publications

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|---|---|---|
| 4 | R 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, 1730-1734 | 1.8 |
| 3 | Luminous and Melanopic Efficiency Performance of Phosphor-Converted LEDs with Tunable Spectral Characteristics. *Applied Sciences (Switzerland)*, **2020**, 10, 6198 | 2.6 |
| 2 | Effectiveness of Light Source Efficiency for Characterization of Colored Surface Luminance. *LEUKOS - Journal of Illuminating Engineering Society of North America*,1-13 | 3.5 |
| 1 | Band selection for mapping chromophores of skin tissue.. *Journal of Biophotonics*, **2022**, e202200038 | 3.1 |