# Khanh Quoc Tran

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9904762/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 55 papers | 581 citations | 759233 12 h-index | 752698 20 g-index |
| 59 all docs | 59 docs citations | 59 times ranked | 207 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Colour preference varies with lighting application. Lighting Research and Technology, 2017, 49, 316-328. | 2.7 | 44 |
| 2 | Colour preference, naturalness, vividness and colour quality metrics, Part 1: Experiments in a room. Lighting Research and Technology, 2017, 49, 697-713. | 2.7 | 40 |
| 3 | Colour preference, naturalness, vividness and colour quality metrics, Part 2: Experiments in a viewing booth and analysis of the combined dataset. Lighting Research and Technology, 2017, 49, 714-726. | 2.7 | 35 |
| 4 | Ordinal scale based description of colour rendering. Color Research and Application, 2011, 36, 272-285. | 1.6 | 31 |
| 5 | Intercultural observer preference for perceived illumination chromaticity for different coloured object scenes. Lighting Research and Technology, 2017, 49, 305-315. | 2.7 | 30 |
| 6 | Colour preference, naturalness, vividness and colour quality metrics, Part 3: Experiments with makeup products and analysis of the complete warm white dataset. Lighting Research and Technology, 2018, 50, 218-236. | 2.7 | 26 |
| 7 | Colour preference, naturalness, vividness and colour quality metrics, Part 4: Experiments with still life arrangements at different correlated colour temperatures. Lighting Research and Technology, 2018, 50, 862-879. | 2.7 | 24 |
| 8 | Circadian metric â€“ Computation of circadian stimulus using illuminance, correlated colour temperature and colour rendering index. Building and Environment, 2020, 184, 107146. | 6.9 | 22 |
| 9 | Towards a user preference model for interior lighting Part 1: Concept of the user preference model and experimental method. Lighting Research and Technology, 2019, 51, 1014-1029. | 2.7 | 21 |
| 10 | Colour preference, naturalness, vividness and colour quality metrics, Part 5: A colour preference experiment at 2000 lx in a real room. Lighting Research and Technology, 2019, 51, 262-279. | 2.7 | 16 |
| 11 | Semantic interpretation of color differences and colorâ€rendering indices. Color Research and Application, 2014, 39, 252-262. | 1.6 | 15 |
| 12 | Towards a user preference model for interior lighting. Part 2: Experimental results and modelling. Lighting Research and Technology, 2019, 51, 1030-1043. | 2.7 | 14 |
| 13 | International study on the importance of communication between automated vehicles and pedestrians. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 74, 52-66. | 3.7 | 14 |
| 14 | Color appearance rating of familiar real objects under immersive viewing conditions. Color Research and Application, 2018, 43, 551-568. | 1.6 | 13 |
| 15 | Displaying the Driving State of Automated Vehicles to Other Road Users: An International, Virtual Reality-Based Study as a First Step for the Harmonized Regulations of Novel Signaling Devices. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2904-2918. | 8.0 | 13 |
| 16 | Deep learning-based pupil model predicts time and spectral dependent light responses. Scientific Reports, 2021, 11, 841. | 3.3 | 13 |
| 17 | Optimising metameric spectra for integrative lighting to modulate the circadian system without affecting visual appearance. Scientific Reports, 2021, 11, 23188. | 3.3 | 13 |
| 18 | Observer preference for perceived illumination chromaticity. Color Research and Application, 2018, 43, 506-516. | 1.6 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | PupilEXT: Flexible Open-Source Platform for High-Resolution Pupillometry in Vision Research. Frontiers in Neuroscience, 2021, 15, 676220. | 2.8 | 12 |
| 20 | Long-term memory color investigation: culture effect and experimental setting factors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1757. | 1.5 | 12 |
| 21 | Prediction accuracy of L- and M-cone based human pupil light models. Scientific Reports, 2020, 10, 10988. | 3.3 | 11 |
| 22 | Opinion: The usefulness of light sources in human centric lighting. Lighting Research and Technology, 2017, 49, 292-292. | 2.7 | 10 |
| 23 | Circadian stimulus â€“ A computation model with photometric and colorimetric quantities. Lighting Research and Technology, 2020, 52, 751-762. | 2.7 | 10 |
| 24 | Melanopic Limits of Metamer Spectral Optimisation in Multi-Channel Smart Lighting Systems. Energies, 2021, 14, 527. | 3.1 | 10 |
| 25 | Measurement of Circadian Effectiveness in Lighting for Office Applications. Applied Sciences (Switzerland), 2021, 11, 6936. | 2.5 | 10 |
| 26 | Correlations among lighting quality metrics for interior lighting. Lighting Research and Technology, 2019, 51, 1192-1207. | 2.7 | 9 |
| 27 | Gender Difference in Colour Preference of Lighting: A Pilot Study. Light & Engineering, 2020, , 111-122. | 0.3 | 8 |
| 28 | Task-related Luminance Distributions for Office Lighting Scenarios. Light & Engineering, 2021, , 115-128. | 0.3 | 7 |
| 29 | A field test of a simplified method of estimating circadian stimulus. Lighting Research and Technology, 2022, 54, 459-473. | 2.7 | 7 |
| 30 | Energy Efficient Lighting in Plant Factories: Addressing Utilance. Agronomy, 2021, 11, 2570. | 3.0 | 7 |
| 31 | Efficiency droop in green InGaN/GaN light emitting diodes: Degradation mechanisms and initial characteristics. Microelectronics Reliability, 2020, 112, 113792. | 1.7 | 6 |
| 32 | Evidence for Human-Centric In-Vehicle Lighting: Part 1. Applied Sciences (Switzerland), 2022, 12, 552. | 2.5 | 6 |
| 33 | The Sternberg Paradigm: Correcting Encoding Latencies in Visual and Auditory Test Designs. Vision (Switzerland), 2021, 5, 21. | 1.2 | 5 |
| 34 | Tackling Heterogeneous Color Registration: Binning Color Sensors. Sensors, 2021, 21, 2950. | 3.8 | 4 |
| 35 | Determination of Speed-Dependent Roadway Luminance for an Adequate Feeling of Safety at Nighttime Driving. Vehicles, 2021, 3, 821-839. | 3.1 | 4 |
| 36 | Processing RGB Color Sensors for Measuring the Circadian Stimulus of Artificial and Daylight Light Sources. Applied Sciences (Switzerland), 2022, 12, 1132. | 2.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Impact of the adapted white point and the cultural background on memory color assessments. Color Research and Application, 2020, 45, 803-824. | 1.6 | 3 |
| 38 | Unsupervised Clustering Pipeline to Obtain Diversified Light Spectra for Subject Studies and Correlation Analyses. Applied Sciences (Switzerland), 2021, 11, 9062. | 2.5 | 3 |
| 39 | Strengths and limitations of a uniform 3D-LUT approach for digital camera characterization. Color and Imaging Conference, 2016, 2016, 315-322. | 0.2 | 3 |
| 40 | Extending the color discrimination metric with consideration of illuminance level. Optics Letters, 2022, 47, 1851. | 3.3 | 3 |
| 41 | Memory colors and the assessment of color quality in lighting applications. Optics Express, 2021, 29, 28968. | 3.4 | 2 |
| 42 | Combined Methodology for Accurate Evaluation of Distance and Direction of Chromaticity Shifts in LED Reliability Tests. IEEE Transactions on Device and Materials Reliability, 2021, 21, 500-507. | 2.0 | 2 |
| 43 | Spectral reflectance estimation of organic tissue for improved color correction of video-assisted surgery. Journal of Electronic Imaging, 2018, 27, 1. | 0.9 | 2 |
| 44 | Weighting the Relevance of the Different Colours in Subjective Assessments of Colour Preference. Light & Engineering, 2020, , 37-46. | 0.3 | 2 |
| 45 | Quantifying observer metamerism of LED spectra which chromatically mimic natural daylight. Optics Express, 2021, 29, 38168. | 3.4 | 2 |
| 46 | Colour Preference Depends on Colour Temperature, Illuminance Level and Object Saturation - a New Metric. Light & Engineering, 2019, , 137-151. | 0.3 | 2 |
| 47 | Multi-Channel Spectral Sensors as Plant Reflectance Measuring Devicesâ€"Toward the Usability of Spectral Sensors for Phenotyping of Sweet Basil (Ocimum basilicum). Agronomy, 2022, 12, 1174. | 3.0 | 2 |
| 48 | Towards a comprehensive lighting-quality model: validation of brightness, visual clarity, and color preference formulae applicability in two realistic mock-up scenarios. OSA Continuum, 2021, 4, 3139. | 1.8 | 1 |
| 49 | Brightness In The Photopic Range: Psychophysical Modelling With Blue-sensitive Retinal Signals. Light & Engineering, 2020, , 9-24. | 0.3 | 1 |
| 50 | Using spectral sensors to determine photosynthetic photon flux density in daylight â€“ A theoretical approach. Lighting Research and Technology, 0, , 14771535221077 8. | 2.7 | 1 |
| 51 | Study protocol for measuring the impact of (quasi-)monochromatic light on post-awakening cortisol secretion under controlled laboratory conditions. PLoS ONE, 2022, 17, e0267659. | 2.5 | 1 |
| 52 | Illumination optics for indoor lighting, automotive and street lighting. Advanced Optical Technologies, 2019, 8, 11-12. | 1.7 | 0 |
| 53 | Objective Assessment of the Safety Contribution of Today's Automotive Headlamps. ATZ Worldwide, 2020, 122, 66-71. | 0.1 | 0 |
| 54 | Objective Rating of Modern Headlamps. ATZ Worldwide, 2020, 122, 74-74. | 0.1 | 0 |

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|---|---|---|---|
| 55 | Highâ€resolution depth measurements in digital microscopic surgery. Engineering Reports, 2021, 3, e12311. | 1.7 | 0 |