

# Khanh Quoc Tran

## List of Publications by Citations

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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.

57  
papers

369  
citations

10  
h-index

16  
g-index

59  
ext. papers

459  
ext. citations

2.3  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
57	Colour preference varies with lighting application. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 316-328	2	41
56	Colour preference, naturalness, vividness and colour quality metrics, Part 1: Experiments in a room. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 697-713	2	34
55	Colour preference, naturalness, vividness and colour quality metrics, Part 2: Experiments in a viewing booth and analysis of the combined dataset. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 714-726	2	30
54	Ordinal scale based description of colour rendering. <i>Color Research and Application</i> , <b>2011</b> , 36, 272-285	1.3	26
53	Intercultural observer preference for perceived illumination chromaticity for different coloured object scenes. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 305-315	2	24
52	Colour preference, naturalness, vividness and colour quality metrics, Part 3: Experiments with makeup products and analysis of the complete warm white dataset. <i>Lighting Research and Technology</i> , <b>2018</b> , 50, 218-236	2	20
51	Colour preference, naturalness, vividness and colour quality metrics, Part 4: Experiments with still life arrangements at different correlated colour temperatures. <i>Lighting Research and Technology</i> , <b>2018</b> , 50, 862-879	2	15
50	Towards a user preference model for interior lighting Part 1: Concept of the user preference model and experimental method. <i>Lighting Research and Technology</i> , <b>2019</b> , 51, 1014-1029	2	13
49	Opinion: The usefulness of light sources in human centric lighting. <i>Lighting Research and Technology</i> , <b>2017</b> , 49, 292-292	2	10
48	Semantic interpretation of color differences and color-rendering indices. <i>Color Research and Application</i> , <b>2014</b> , 39, 252-262	1.3	10
47	Towards a user preference model for interior lighting. Part 2: Experimental results and modelling. <i>Lighting Research and Technology</i> , <b>2019</b> , 51, 1030-1043	2	10
46	Circadian metric [C] Computation of circadian stimulus using illuminance, correlated colour temperature and colour rendering index. <i>Building and Environment</i> , <b>2020</b> , 184, 107146	6.5	9
45	Colour preference, naturalness, vividness and colour quality metrics, Part 5: A colour preference experiment at 2000 lx in a real room. <i>Lighting Research and Technology</i> , <b>2019</b> , 51, 262-279	2	9
44	Color appearance rating of familiar real objects under immersive viewing conditions. <i>Color Research and Application</i> , <b>2018</b> , 43, 551-568	1.3	8
43	Observer preference for perceived illumination chromaticity. <i>Color Research and Application</i> , <b>2018</b> , 43, 506-516	1.3	8
42	Melanopic Limits of Metamer Spectral Optimisation in Multi-Channel Smart Lighting Systems. <i>Energies</i> , <b>2021</b> , 14, 527	3.1	8
41	<b>2017</b> ,		8

40	Prediction accuracy of L- and M-cone based human pupil light models. <i>Scientific Reports</i> , <b>2020</b> , 10, 109884.9	7
39	Long-term memory color investigation: culture effect and experimental setting factors. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2017</b> , 34, 1757-1768	1.8 7
38	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. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-15	6.1 7
37	Deep learning-based pupil model predicts time and spectral dependent light responses. <i>Scientific Reports</i> , <b>2021</b> , 11, 841	4.9 7
36	Circadian stimulus $\bar{A}$ computation model with photometric and colorimetric quantities. <i>Lighting Research and Technology</i> , <b>2020</b> , 52, 751-762	2 6
35	Optimising metameric spectra for integrative lighting to modulate the circadian system without affecting visual appearance. <i>Scientific Reports</i> , <b>2021</b> , 11, 23188	4.9 5
34	International study on the importance of communication between automated vehicles and pedestrians. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , <b>2020</b> , 74, 52-66	4.5 5
33	Task-related Luminance Distributions for Office Lighting Scenarios <b>2021</b> , 115-128	5
32	Gender Difference in Colour Preference of Lighting: A Pilot Study <b>2020</b> , 111-122	4
31	A field test of a simplified method of estimating circadian stimulus. <i>Lighting Research and Technology</i> , 147715352110446	2 3
30	PupilEXT: Flexible Open-Source Platform for High-Resolution Pupillometry in Vision Research. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 676220	5.1 3
29	Correlations among lighting quality metrics for interior lighting. <i>Lighting Research and Technology</i> , <b>2019</b> , 51, 1192-1207	2 3
28	Measurement of Circadian Effectiveness in Lighting for Office Applications. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6936	2.6 3
27	Spectral reflectance estimation of organic tissue for improved color correction of video-assisted surgery. <i>Journal of Electronic Imaging</i> , <b>2018</b> , 27, 1	0.7 2
26	Strengths and limitations of a uniform 3D-LUT approach for digital camera characterization. <i>Color and Imaging Conference</i> , <b>2016</b> , 2016, 315-322	0.8 2
25	Weighting the Relevance of the Different Colours in Subjective Assessments of Colour Preference <b>2020</b> , 37-46	2
24	Impact of the adapted white point and the cultural background on memory color assessments. <i>Color Research and Application</i> , <b>2020</b> , 45, 803-824	1.3 2
23	Efficiency droop in green InGaN/GaN light emitting diodes: Degradation mechanisms and initial characteristics. <i>Microelectronics Reliability</i> , <b>2020</b> , 112, 113792	1.2 2

22	Tackling Heterogeneous Color Registration: Binning Color Sensors. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
21	Combined Methodology for Accurate Evaluation of Distance and Direction of Chromaticity Shifts in LED Reliability Tests. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2021</b> , 1-1	1.6	2
20	Processing RGB Color Sensors for Measuring the Circadian Stimulus of Artificial and Daylight Light Sources. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1132	2.6	1
19	Determination of Speed-Dependent Roadway Luminance for an Adequate Feeling of Safety at Nighttime Driving. <i>Vehicles</i> , <b>2021</b> , 3, 821-839	1.5	1
18	Evidence for Human-Centric In-Vehicle Lighting: Part 1. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 552	2.6	1
17	The Sternberg Paradigm: Correcting Encoding Latencies in Visual and Auditory Test Designs. <i>Vision (Switzerland)</i> , <b>2021</b> , 5,	2.3	1
16	Unsupervised Clustering Pipeline to Obtain Diversified Light Spectra for Subject Studies and Correlation Analyses. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9062	2.6	1
15	Extending the color discrimination metric with consideration of illuminance level.. <i>Optics Letters</i> , <b>2022</b> , 47, 1851-1854	3	1
14	Using spectral sensors to determine photosynthetic photon flux density in daylight [A theoretical approach. <i>Lighting Research and Technology</i> , 147715352210778	2	1
13	Brightness In The Photopic Range: Psychophysical Modelling With Blue-sensitive Retinal Signals <b>2020</b> , 9-24		0
12	Quantifying observer metamerism of LED spectra which chromatically mimic natural daylight. <i>Optics Express</i> , <b>2021</b> , 29, 38168-38184	3.3	0
11	Colour Preference Depends on Colour Temperature, Illuminance Level and Object Saturation - a New Metric <b>2019</b> , 137-151		0
10	Memory colors and the assessment of color quality in lighting applications. <i>Optics Express</i> , <b>2021</b> , 29, 28968-28983	3.9	0
9	Energy Efficient Lighting in Plant Factories: Addressing Utilance. <i>Agronomy</i> , <b>2021</b> , 11, 2570	3.6	0
8	Illumination optics for indoor lighting, automotive and street lighting. <i>Advanced Optical Technologies</i> , <b>2019</b> , 8, 11-12	0.9	
7	Objective Assessment of the Safety Contribution of Today's Automotive Headlamps. <i>ATZ Worldwide</i> , <b>2020</b> , 122, 66-71	0.1	
6	Moderne Scheinwerfer objektiv beurteilen. <i>ATZ Automobiltechnische Zeitschrift</i> , <b>2020</b> , 122, 78-78	0.1	
5	Analyse der CO2-Emissionen von Lichtfunktionen. <i>ATZ Automobiltechnische Zeitschrift</i> , <b>2020</b> , 122, 28-33	0.1	

- 4 Objective Rating of Modern Headlamps. *ATZ Worldwide*, **2020**, 122, 74-74 0.1
- 3 High-resolution depth measurements in digital microscopic surgery. *Engineering Reports*, **2021**, 3, e12311.2
- 2 Multi-Channel Spectral Sensors as Plant Reflectance Measuring Devices Toward the Usability of Spectral Sensors for Phenotyping of Sweet Basil (*Ocimum basilicum*). *Agronomy*, **2022**, 12, 1174 3.6
- 1 Study protocol for measuring the impact of (quasi-)monochromatic light on post-awakening cortisol secretion under controlled laboratory conditions.. *PLoS ONE*, **2022**, 17, e0267659 3.7