Sebastian Babilon

List of Publications by Year in Descending Order

18 papers	48 citations	4 h-index	5 g-index
23 ext. papers	65 ext. citations	2 avg, IF	2.56 L-index

#	Paper	IF	Citations
18	Processing RGB Color Sensors for Measuring the Circadian Stimulus of Artificial and Daylight Light Sources. *Applied Sciences (Switzerland)*, **2022**, 12, 1132	2.6	1
17	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	
16	Determination of Speed-Dependent Roadway Luminance for an Adequate Feeling of Safety at Nighttime Driving. *Vehicles*, **2021**, 3, 821-839	1.5	1
15	Tackling Heterogeneous Color Registration: Binning Color Sensors. *Sensors*, **2021**, 21,	3.8	2
14	The Sternberg Paradigm: Correcting Encoding Latencies in Visual and Auditory Test Designs. *Vision (Switzerland)*, **2021**, 5,	2.3	1
13	High-resolution depth measurements in digital microscopic surgery. *Engineering Reports*, **2021**, 3, e12311	1.2	
12	Task-related Luminance Distributions for Office Lighting Scenarios **2021**, 115-128		5
11	Measurement of Circadian Effectiveness in Lighting for Office Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 6936	2.6	3
10	Memory colors and the assessment of color quality in lighting applications. *Optics Express*, **2021**, 29, 28968-28993	3.8	3
9	Unsupervised Clustering Pipeline to Obtain Diversified Light Spectra for Subject Studies and Correlation Analyses. *Applied Sciences (Switzerland)*, **2021**, 11, 9062	2.6	1
8	Combined Methodology for Accurate Evaluation of Distance and Direction of Chromaticity Shifts in LED Reliability Tests. *IEEE Transactions on Device and Materials Reliability*, **2021**, 1-1	1.6	2
7	Energy Efficient Lighting in Plant Factories: Addressing Utilance. *Agronomy*, **2021**, 11, 2570	3.6	0
6	Impact of the adapted white point and the cultural background on memory color assessments. *Color Research and Application*, **2020**, 45, 803-824	1.3	2
5	Color appearance rating of familiar real objects under immersive viewing conditions. *Color Research and Application*, **2018**, 43, 551-568	1.3	8
4	Observer preference for perceived illumination chromaticity. *Color Research and Application*, **2018**, 43, 506-516	1.3	8
3	Spectral reflectance estimation of organic tissue for improved color correction of video-assisted surgery. *Journal of Electronic Imaging*, **2018**, 27, 1	0.7	2
2	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, 1757-1768	1.8	7

List of Publications

1 A field test of a simplified method of estimating circadian stimulus. *Lighting Research and Technology*,147715352110446 2 3