FrÃ©dÃ©ric B Leloup

List of Publications by Year
in descending order

24 papers	295 citations	1039880 9 h-index	887953 17 g-index
24 all docs	24 docs citations	24 times ranked	195 citing authors

#	Article	IF	Citations
1	Design of an instrument for measuring the spectral bidirectional scatter distribution function. Applied Optics, 2008, 47, 5454.	2.1	63
2	Toward the soft metrology of surface gloss: A review. Color Research and Application, 2014, 39, 559-570.	0.8	42
3	Geometry of illumination, luminance contrast, and gloss perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2046.	0.8	33
4	Overall gloss evaluation in the presence of multiple cues to surface glossiness. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1105.	0.8	25
5	Luminance-based specular gloss characterization. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1322.	0.8	24
6	Determination of the bulk scattering parameters of diffusing materials. Applied Optics, 2013, 52, 4083.	0.9	21
7	Development of an image-based gloss measurement instrument. Journal of Coatings Technology Research, 2019, 16, 913-921.	1.2	12
8	Simulating the spatial luminance distribution of planar light sources by sampling of ray files. Optics Express, 2013, 21, 24099.	1.7	10
9	Practical limitations of near-field goniophotometer measurements imposed by a dynamic range mismatch. Optics Express, 2015, 23, 2240.	1.7	9
10	Repeatability and reproducibility of specular gloss meters in theory and practice. Journal of Coatings Technology Research, 2016, 13, 941-951.	1.2	8
11	Impact of the accurateness of bidirectional reflectance distribution function data on the intensity and luminance distributions of a light-emitting diode mixing chamber as obtained by simulations. Optical Engineering, 2013, 52, 095101.	0.5	7
12	Bayesian deconvolution method applied to experimental bidirectional transmittance distribution functions. Measurement Science and Technology, 2013, 24, 035202.	1.4	6
13	"Multidimensional reflectometry for industry" (xD-Reflect) an European research project. Proceedings of SPIE, 2014, , .	0.8	6
14	Design of an inexpensive integrating sphere student laboratory setup for the optical characterization of light sources. European Journal of Physics, 2016, 37, 015302.	0.3	6
15	Metrological issues related to BRDF measurements around the specular direction in the particular case of glossy surfaces. Proceedings of SPIE, 2015, , .	0.8	5
16	Applicability of oxygen scavengers for shelf life extension during illuminated storage of cured cooked meat products packaged under modified atmosphere in materials with high and low oxygen permeability. Packaging Technology and Science, 2021, 34, 161-173.	1.3	5
17	Effect of packaging oxygen transmission rate on the shelf life of readyâ€toâ€heat foods susceptible to postcontamination during refrigerated and illuminated storage. Packaging Technology and Science, 2020, 33, 99-111.	1.3	3
18	Development of an image-based measurement instrument for gloss characterization. Journal of Coatings Technology Research, 2022, 19, 1567-1582.	1.2	3

#	Article	IF	Citations
19	Design of an inexpensive integrating sphere laboratory setup for the optical characterization of a light source. Proceedings of SPIE, 2015, , .	0.8	2
20	BRDF characterization of Al-coated thermoplastic polymer surfaces. Journal of Coatings Technology Research, 2020, 17, 1195-1205.	1.2	2
21	Rapid determination of the photometric bidirectional scatter distribution function by use of a near-field goniophotometer. Proceedings of SPIE, 2014, , .	0.8	1
22	42.3: Invited Paper: Progress in the Soft Metrology of Appearance: the Contribution of Digital Image Representations. Digest of Technical Papers SID International Symposium, 2014, 45, 603-606.	0.1	1
23	Assessing the application of an image color appearance model to basic selfâ€luminous scenes. Color Research and Application, 2019, 44, 848-858.	0.8	1
24	Brightness appearance of selfâ€luminous stimuli on a nonâ€uniform background. Color Research and Application, 0, , .	0.8	0