

Esther Perales Romero

List of Publications by Year in descending order

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47
papers

445
citations

758635

12
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794141

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49
all docs

49
docs citations

49
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-readable universal data format for bidirectional reflectance distribution function and <scp>BiRDview</scp>”An open-source web-based application for viewing and comparing bidirectional reflectance data. Color Research and Application, 2022, 47, 1177-1192.	0.8	1
2	Preliminary measurement scales for sparkle and graininess. Optics Express, 2021, 29, 7589.	1.7	3
3	Visual validation of the appearance of chromatic objects rendered from spectrophotometric measurements. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 328.	0.8	1
4	Halloysite and Laponite Hybrid Pigments Synthesis with Copper Chlorophyll. Applied Sciences (Switzerland), 2021, 11, 5568.	1.3	4
5	Accurate physics-based digital reproduction of effect coatings. Optics Express, 2021, 29, 34671-34683.	1.7	0
6	Using Laminar Nanoclays for Phycocyanin and Phycoerythrin Stabilization as New Natural Hybrid Pigments from Microalgae Extraction. Applied Sciences (Switzerland), 2021, 11, 11992.	1.3	2
7	A multi-primary empirical model based on a quantum dots display technology. Color Research and Application, 2020, 45, 393-400.	0.8	4
8	Evaluating the Graininess Attribute by Visual Scaling for Coatings with Special-Effect Pigments. Coatings, 2020, 10, 316.	1.2	2
9	Texture Evaluation of Automotive Coatings by Means of a Gonio-Hyperspectral Imaging System Based on Light-Emitting Diodes. Coatings, 2020, 10, 320.	1.2	2
10	DESIGN OF A GAME BASED LEARNING EXPERIENCE: ESCAPE ROOM IN ENVIRONMENTAL AND OCCUPATIONAL OPTOMETRY. , 2020, , .		0
11	Maximization of FDM-3D-Objects Gonio-Appearance Effects Using PLA and ABS Filaments and Combining Several Printing Parameters: “A Case Study”. Materials, 2019, 12, 1423.	1.3	13
12	Real-time accurate rendering of color and texture of car coatings. IS&T International Symposium on Electronic Imaging, 2019, 31, 76-1-76-6.	0.3	5
13	Review of instrumental inter-agreement study of spectral and colorimetric data of commercial multiangle spectrophotometers. Color Research and Application, 2019, 44, 168-175.	0.8	2
14	Finding the Additives Incorporation Moment in Hybrid Natural Pigments Synthesis to Improve Bioresin Properties. Coatings, 2019, 9, 34.	1.2	14
15	Study of color perceptibility of gonio-apparent panels with curvature angle. Color Research and Application, 2018, 43, 489-495.	0.8	1
16	Improving color reproduction accuracy of an OLED-based mobile display. Color Research and Application, 2018, 43, 34-46.	0.8	7
17	Definition of a measurement scale of graininess from reflectance and visual measurements. Optics Express, 2018, 26, 30116.	1.7	6
18	Validation of a gonio-hyperspectral imaging system based on light-emitting diodes for the spectral and colorimetric analysis of automotive coatings. Applied Optics, 2017, 56, 7194.	0.9	4

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19	Multilateral spectral radiance factor scale comparison. <i>Applied Optics</i> , 2017, 56, 1996.	2.1	5
20	Improving color reproduction accuracy of a mobile liquid crystal display. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 101.	0.8	8
21	Color characterization of coatings with diffraction pigments. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 1978.	0.8	11
22	Visual and instrumental assessments of color differences in automotive coatings. <i>Color Research and Application</i> , 2016, 41, 384-391.	0.8	19
23	Visual and instrumental correlation of sparkle by the magnitude estimation method. <i>Applied Optics</i> , 2016, 55, 6458.	2.1	8
24	The minimum number of measurements for colour, sparkle, and graininess characterisation in gonio-apparent panels. <i>Coloration Technology</i> , 2015, 131, 303-309.	0.7	10
25	Measuring color differences in gonioapparent materials used in the automotive industry. <i>Journal of Physics: Conference Series</i> , 2015, 605, 012006.	0.3	1
26	Global color estimation of special-effect coatings from measurements by commercially available portable multiangle spectrophotometers. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 1.	0.8	12
27	Visibility of sparkle in metallic paints. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 921.	0.8	16
28	The achromatic locus: Effect of navigation direction in color space. <i>Journal of Vision</i> , 2014, 14, 25-25.	0.1	44
29	MSc degree in color technology for the automotive sector. , 2014, , .		0
30	Towards a better understanding of the color shift of effect coatings by densely sampled spectral BRDF measurement. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
31	Color representation and interpretation of special effect coatings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 436.	0.8	21
32	Measuring color differences in automotive samples with lightness flop: A test of the AUDI2000 color-difference formula. <i>Optics Express</i> , 2014, 22, 3458.	1.7	28
33	Repeatability, reproducibility, and accuracy of a novel pushbroom hyperspectral system. <i>Color Research and Application</i> , 2014, 39, 549-558.	0.8	7
34	Spectral LED-Based Tuneable Light Source for the Reconstruction of CIE Standard Illuminants. <i>Lecture Notes in Computer Science</i> , 2014, , 115-123.	1.0	5
35	Reproducibility comparison among multiangle spectrophotometers. <i>Color Research and Application</i> , 2013, 38, 160-167.	0.8	10
36	Effects of high-color-discrimination capability spectra on color-deficient vision. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 1780.	0.8	9

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37	Spectral BRDF-based determination of proper measurement geometries to characterize color shift of special effect coatings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 206.	0.8	24
38	Mathematical approach for predicting non-negative tristimulus values using the CAT02 chromatic adaptation transform. <i>Color Research and Application</i> , 2012, 37, 255-260.	0.8	10
39	Analysis of the colorimetric properties of goniochromatic colors using the MacAdam limits under different light sources. <i>Applied Optics</i> , 2011, 50, 5271.	2.1	8
40	Camera-based colour measurement. , 2010, , 147-e2.		2
41	Number of discernible colors for color-deficient observers estimated from the MacAdam limits. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 2106.	0.8	14
42	Evaluation of color reproduction by OLEDs and wLEDs technologies. , 2010, , .		0
43	Colorimetric and spectral evaluation of the optical anisotropy of metallic and pearlescent samples. <i>Journal of Modern Optics</i> , 2009, 56, 1457-1465.	0.6	16
44	Comparison of color gamuts among several types of paper with the same printing technology. <i>Color Research and Application</i> , 2009, 34, 330-336.	0.8	17
45	New method for comparing colour gamuts among printing technologies. <i>Imaging Science Journal</i> , 2008, 56, 145-152.	0.2	6
46	Computation and visualization of the MacAdam limits for any lightness, hue angle, and light source. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 1501.	0.8	53
47	Application of the S-CIELAB color model to processed and calibrated images with a colorimetric dithering method. <i>Optics Express</i> , 2007, 15, 7810.	1.7	7