Esther Perales Romero

List of Publications by Year
in descending order

47	445	758635 12	794141 19
papers	citations	h-index	g-index

49	49	49	277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computation and visualization of the MacAdam limits for any lightness, hue angle, and light source. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1501.	0.8	53
2	The achromatic locus: Effect of navigation direction in color space. Journal of Vision, 2014, 14, 25-25.	0.1	44
3	Measuring color differences in automotive samples with lightness flop: A test of the AUDI2000 color-difference formula. Optics Express, 2014, 22, 3458.	1.7	28
4	Spectral BRDF-based determination of proper measurement geometries to characterize color shift of special effect coatings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 206.	0.8	24
5	Color representation and interpretation of special effect coatings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 436.	0.8	21
6	Visual and instrumental assessments of color differences in automotive coatings. Color Research and Application, 2016, 41, 384-391.	0.8	19
7	Comparison of color gamuts among several types of paper with the same printing technology. Color Research and Application, 2009, 34, 330-336.	0.8	17
8	Colorimetric and spectral evaluation of the optical anisotropy of metallic and pearlescent samples. Journal of Modern Optics, 2009, 56, 1457-1465.	0.6	16
9	Visibility of sparkle in metallic paints. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 921.	0.8	16
10	Number of discernible colors for color-deficient observers estimated from the MacAdam limits. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2106.	0.8	14
11	Finding the Additives Incorporation Moment in Hybrid Natural Pigments Synthesis to Improve Bioresin Properties. Coatings, 2019, 9, 34.	1.2	14
12	Maximization of FDM-3D-Objects Gonio-Appearance Effects Using PLA and ABS Filaments and Combining Several Printing Parameters: â€œA Case Studyâ€• Materials, 2019, 12, 1423.	1.3	13
13	Global color estimation of special-effect coatings from measurements by commercially available portable multiangle spectrophotometers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1.	0.8	12
14	Color characterization of coatings with diffraction pigments. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1978.	0.8	11
15	Mathematical approach for predicting nonâ€negative tristimulus values using the CAT02 chromatic adaptation transform. Color Research and Application, 2012, 37, 255-260.	0.8	10
16	Reproducibility comparison among multiangle spectrophotometers. Color Research and Application, 2013, 38, 160-167.	0.8	10
17	The minimum number of measurements for colour, sparkle, and graininess characterisation in gonio-apparent panels. Coloration Technology, 2015, 131, 303-309.	0.7	10
18	Effects of high-color-discrimination capability spectra on color-deficient vision. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1780.	0.8	9

#	Article	IF	Citations
19	Analysis of the colorimetric properties of goniochromatic colors using the MacAdam limits under different light sources. Applied Optics, 2011, 50, 5271.	2.1	8
20	Visual and instrumental correlation of sparkle by the magnitude estimation method. Applied Optics, 2016, 55, 6458.	2.1	8
21	Improving color reproduction accuracy of a mobile liquid crystal display. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 101.	0.8	8
22	Application of the S-CIELAB color model to processed and calibrated images with a colorimetric dithering method. Optics Express, 2007, 15, 7810.	1.7	7
23	Repeatability, reproducibility, and accuracy of a novel pushbroom hyperspectral system. Color Research and Application, 2014, 39, 549-558.	0.8	7
24	Improving color reproduction accuracy of an OLEDâ€based mobile display. Color Research and Application, 2018, 43, 34-46.	0.8	7
25	New method for comparing colour gamuts among printing technologies. Imaging Science Journal, 2008, 56, 145-152.	0.2	6
26	Definition of a measurement scale of graininess from reflectance and visual measurements. Optics Express, 2018, 26, 30116.	1.7	6
27	Multilateral spectral radiance factor scale comparison. Applied Optics, 2017, 56, 1996.	2.1	5
28	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
29	Spectral LED-Based Tuneable Light Source for the Reconstruction of CIE Standard Illuminants. Lecture Notes in Computer Science, 2014, , 115-123.	1.0	5
30	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
31	A multiâ€primary empirical model based on a quantum dots display technology. Color Research and Application, 2020, 45, 393-400.	0.8	4
32	Halloysite and Laponite Hybrid Pigments Synthesis with Copper Chlorophyll. Applied Sciences (Switzerland), 2021, 11, 5568.	1.3	4
33	Towards a better understanding of the color shift of effect coatings by densely sampled spectral BRDF measurement. Proceedings of SPIE, 2014, , .	0.8	3
34	Preliminary measurement scales for sparkle and graininess. Optics Express, 2021, 29, 7589.	1.7	3
35	Camera-based colour measurement. , 2010, , 147-e2.		2
36	Review of instrumental interâ€agreement study of spectral and colorimetric data of commercial multiangle spectrophotometers. Color Research and Application, 2019, 44, 168-175.	0.8	2

#	Article	IF	Citations
37	Evaluating the Graininess Attribute by Visual Scaling for Coatings with Special-Effect Pigments. Coatings, 2020, 10, 316.	1.2	2
38	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
39	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
40	Measuring color differences in gonioapparent materials used in the automotive industry. Journal of Physics: Conference Series, 2015, 605, 012006.	0.3	1
41	Study of color perceptibility of gonioâ€apparent panels with curvature angle. Color Research and Application, 2018, 43, 489-495.	0.8	1
42	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
43	Machineâ€readable universal data format for bidirectional reflectance distribution function and ‹scp›BiRDview‹/scp›â€”An openâ€source webâ€based application for viewing and comparing bidirectional reflectance data. Color Research and Application, 2022, 47, 1177-1192.	0.8	1
44	MSc degree in color technology for the automotive sector. , 2014, , .		0
45	Accurate physics-based digital reproduction of effect coatings. Optics Express, 2021, 29, 34671-34683.	1.7	0
46	Evaluation of color reproduction by OLEDs and wLEDs technologies. , 2010, , .		0
47	DESIGN OF A GAME BASED LEARNING EXPERIENCE: ESCAPE ROOM IN ENVIRONMENTAL AND OCCUPATIONAL OPTOMETRY. , 2020, , .		0