

Eva M Valero

List of Publications by Year in descending order

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docs citations

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409
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovering spectral data from natural scenes with an RGB digital camera and colored filters. <i>Color Research and Application</i> , 2007, 32, 352-360.	1.6	57
2	Selecting algorithms, sensors, and linear bases for optimum spectral recovery of skylight. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 942.	1.5	48
3	Multispectral synthesis of daylight using a commercial digital CCD camera. <i>Applied Optics</i> , 2005, 44, 5696.	2.1	43
4	Do EnChroma glasses improve color vision for colorblind subjects?. <i>Optics Express</i> , 2018, 26, 28693.	3.4	40
5	Spectral-daylight recovery by use of only a few sensors. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 13.	1.5	29
6	Recovering fluorescent spectra with an RGB digital camera and color filters using different matrix factorizations. <i>Applied Optics</i> , 2007, 46, 4144.	2.1	23
7	Combining transverse field detectors and color filter arrays to improve multispectral imaging systems. <i>Applied Optics</i> , 2014, 53, C14.	1.8	23
8	Outdoor scene reflectance measurements using a Bragg-grating-based hyperspectral imager. <i>Applied Optics</i> , 2015, 54, D15.	2.1	23
9	Assessment of VINO filters for correcting red-green Color Vision Deficiency. <i>Optics Express</i> , 2019, 27, 17954.	3.4	22
10	Comparative performance analysis of spectral estimation algorithms and computational optimization of a multispectral imaging system for print inspection. <i>Color Research and Application</i> , 2014, 39, 16-27.	1.6	20
11	Adaptive exposure estimation for high dynamic range imaging applied to natural scenes and daylight skies. <i>Applied Optics</i> , 2015, 54, B241.	1.8	17
12	Image processing pipeline for segmentation and material classification based on multispectral high dynamic range polarimetric images. <i>Optics Express</i> , 2017, 25, 30073.	3.4	16
13	Multifocus HDR VIS/NIR hyperspectral imaging and its application to works of art. <i>Optics Express</i> , 2019, 27, 11323.	3.4	15
14	Adaptive global training set selection for spectral estimation of printed inks using reflectance modeling. <i>Applied Optics</i> , 2014, 53, 709.	1.8	14
15	Evaluating logarithmic kernel for spectral reflectance estimation—effects on model parametrization, training set size, and number of sensor spectral channels. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 541.	1.5	12
16	Measurement of the optical transfer function using a white-dot pattern presented on a liquid-crystal display. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 8, .	1.9	11
17	Unsupervised illuminant estimation from natural scenes: an RGB digital camera suffices. <i>Applied Optics</i> , 2008, 47, 3574.	2.1	9
18	Evaluation of Cleaning Processes Using Colorimetric and Spectral Data for the Removal of Layers of Limewash from Medieval Plasterwork. <i>Sensors</i> , 2020, 20, 7147.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Spectral Filter Selection for Increasing Chromatic Diversity in CVD Subjects. <i>Sensors</i> , 2020, 20, 2023.	3.8	9
20	Color-signal filtering in the Fourier-frequency domain. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003, 20, 1714.	1.5	8
21	Nonrigid registration with free-form deformation model of multilevel uniform cubic B-splines: application to image registration and distortion correction of spectral image cubes. <i>Applied Optics</i> , 2014, 53, 3764.	1.8	8
22	Spectral-reflectance linear models for optical color-pattern recognition. <i>Applied Optics</i> , 2004, 43, 1880.	2.1	7
23	A simple experiment to distinguish between replicated and duplicated compact discs using Fraunhofer diffraction. <i>American Journal of Physics</i> , 2008, 76, 1137-1140.	0.7	6
24	Detailed experimental characterization of reflectance spectra of <i>Sasakia charonda</i> butterfly using multispectral optical imaging. <i>Optical Engineering</i> , 2014, 53, 033111.	1.0	6
25	Stochastic independence of color-vision mechanisms confirmed by a subthreshold summation paradigm. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1485.	1.5	5
26	Single Image Dehazing Algorithm Analysis with Hyperspectral Images in the Visible Range. <i>Sensors</i> , 2020, 20, 6690.	3.8	5
27	Spectral sensitivity of sensors for a color-image descriptor invariant to changes in daylight conditions. <i>Color Research and Application</i> , 2006, 31, 391-398.	1.6	4
28	Trichromatic red-green-blue camera used for the recovery of albedo and reflectance of rough-textured surfaces under different illumination conditions. <i>Applied Optics</i> , 2009, 48, 3643.	2.1	4
29	Improving unsupervised saliency detection by migrating from RGB to multispectral images. <i>Color Research and Application</i> , 2019, 44, 875-885.	1.6	4
30	Spectral information to get beyond color in the analysis of water-soluble varnish degradation. <i>Heritage Science</i> , 2019, 7, .	2.3	4
31	Eight-Channel Multispectral Image Database for Saliency Prediction. <i>Sensors</i> , 2021, 21, 970.	3.8	4
32	Measurements of the spectral modulation sensitivity function for two normal observers with CRT monitors. <i>Journal of Optics</i> , 1997, 28, 190-198.	0.3	3
33	Study of colour discrimination with comb-filtered spectra. <i>Vision Research</i> , 2001, 41, 541-548.	1.4	3
34	Changes in contrast thresholds with mean luminance for chromatic and luminance gratings: A reexamination of the transition from the DeVries-Rose to Weber regions. <i>Color Research and Application</i> , 2004, 29, 177-182.	1.6	3
35	Colorimetric and spectral data analysis of consolidants used for preservation of medieval plasterwork. <i>Journal of Cultural Heritage</i> , 2020, 42, 64-71.	3.3	3
36	Metasurface-based contact lenses for color vision deficiency: comment. <i>Optics Letters</i> , 2020, 45, 5117.	3.3	3

#	ARTICLE	IF	CITATIONS
37	Measurements of sensitivity to simulated chromatic frequencies for normal and dichromatic observers. <i>Journal of Optics</i> , 1998, 29, 339-344.	0.3	2
38	Fizeau fringes at home. <i>American Journal of Physics</i> , 2002, 70, 684-688.	0.7	2
39	Is it really possible to compensate for colour blindness with a filter?. <i>Coloration Technology</i> , 2021, 137, 64-67.	1.5	2
40	Band Selection for Dehazing Algorithms Applied to Hyperspectral Images in the Visible Range. <i>Sensors</i> , 2021, 21, 5935.	3.8	2
41	Color vision deficiencies and camouflage: a comparative study between normal and CVD observers. <i>Optics Express</i> , 2022, 30, 13699.	3.4	2
42	Modified fuzzy c-means applied to a Bragg grating-based spectral imager for material clustering. , 2012, , .		1
43	Improved Spectral Density Measurement from Estimated Reflectance Data with Kernel Ridge Regression. <i>Lecture Notes in Computer Science</i> , 2014, , 79-86.	1.3	1
44	Colour Appearance of Surfaces as Affected by Different Time-Varying Colour-Adaptation Sequences. <i>Optical Review</i> , 2003, 10, 221-230.	2.0	0
45	From color to spectral information: A round-trip ticket. , 2011, , .		0
46	Photometric-based recovery of illuminant-free color images using a red-green-blue digital camera. <i>Optical Engineering</i> , 2012, 51, 013201.	1.0	0
47	Multispectral imaging approach for simplified non-invasive in-vivo evaluation of gingival erythema. , 2012, , .		0
48	Framework proposal for high-resolution spectral image acquisition of effect-coatings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 379-390.	5.0	0
49	Characterization of the evolution of indigo blue by multispectral imaging. <i>Color Research and Application</i> , 0, , .	1.6	0
50	â€œPor los grados la tierra demarcandoâ€ una relectura de la geografÃa pÃ©tica de "La Araucana". <i>Rilce</i> , 2019, 36, 109-133.	0.1	0
51	La capital virreinal en La Perricholi. <i>Reina de Lima de Alonso Cueto: historia y literatura, literatura y ciudad. Anuario De Estudios Americanos</i> , 2020, 77, 699-730.	0.1	0