

Stephen Westland,, FsdC

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

1,274
citations

21
h-index

33
g-index

97
ext. papers

1,543
ext. citations

2.2
avg, IF

4.63
L-index

#	Paper	IF	Citations
85	Space Habitat Astronautics: Multicolour Lighting Psychology in a 7-Day Simulated Habitat. <i>Space: Science & Technology</i> , 2022 , 2022, 1-11		0
84	Effects of Intensity of Short-Wavelength Light on the EEG and Performance of Astronauts During Target Tracking. <i>Lecture Notes in Computer Science</i> , 2022 , 279-289	0.9	
83	Gender Preference Differences in Color Temperature Associated with LED Light Sources in the Autopilot Cabin. <i>Lecture Notes in Computer Science</i> , 2022 , 151-166	0.9	
82	The effect of decision time-length condition on consumer product-colour purchase decision. <i>Color Research and Application</i> , 2021 , 46, 1360	1.3	1
81	Colour associations and consumer product-colour purchase decisions. <i>Color Research and Application</i> , 2021 , 46, 1119-1127	1.3	1
80	Analysis of experiments to determine individual colour preference. <i>Color Research and Application</i> , 2021 , 46, 155-167	1.3	2
79	A comparative evaluation of similarity measurement algorithms within a colour palette. <i>Color Research and Application</i> , 2021 , 46, 332-340	1.3	1
78	Objective shade matching, communication, and reproduction by combining dental photography and numeric shade quantification. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 107-117	3.5	4
77	Analyzing a decade of Colors of the Year. <i>Color Research and Application</i> , 2021 , 46, 258-270	1.3	1
76	Aroused and Impulsive Effects of Colour Stimuli on Lateral and Logical Abilities. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2021 , 11,	2.3	1
75	Investigation of hue effects in tooth whiteness perception. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 1045-1050	3.5	
74	The role of gamut, intuition and engagement in colour management in a design context. <i>Coloration Technology</i> , 2020 , 136, 255-262	2	2
73	Predicting visual similarity between colour palettes. <i>Color Research and Application</i> , 2020 , 45, 401-408	1.3	5
72	Habitability Study on Space Station Colour Design. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 507-514	0.4	11
71	The impact of color preference on adolescent children's choice of furniture. <i>Color Research and Application</i> , 2020 , 45, 754-767	1.3	12
70	The Influence of Dental Occlusion on Spectrophotometric Tooth Color Determinations. <i>Open Dentistry Journal</i> , 2020 , 14, 247-254	0.8	2
69	Dominant Color Extraction with K-Means for Camera Characterization in Cultural Heritage Documentation. <i>Remote Sensing</i> , 2020 , 12, 520	5	4

68	A method for exploring word-colour associations. <i>Color Research and Application</i> , 2020 , 45, 85-94	1.3	13
67	Machine learning for colour Palette extraction from fashion runway images. <i>International Journal of Fashion Design, Technology and Education</i> , 2020 , 13, 334-340	1.1	3
66	Designing Effective Warnings about Addiction on the Patient Information Leaflet of Over-the-Counter Codeine Sold in England to University Students. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	1
65	Towards the design of a blending system for precoloured fibres. <i>Coloration Technology</i> , 2019 , 135, 407-414	4.4	1
64	A yellowness index for use in dentistry. <i>Journal of Dentistry</i> , 2019 , 91, 103244	4.8	3
63	A psychophysical measurement on subjective well-being and air pollution. <i>Nature Communications</i> , 2019 , 10, 5473	17.4	16
62	Objective and subjective aesthetic performance of icon□ treatment for enamel hypomineralization lesions in young adolescents: A retrospective single center study. <i>Journal of Dentistry</i> , 2018 , 68, 104-108	4.8	15
61	Requirements capture for colour information for design professionals. <i>Color Research and Application</i> , 2018 , 43, 387-395	1.3	1
60	The role of individual colour preferences in consumer purchase decisions. <i>Color Research and Application</i> , 2018 , 43, 258-267	1.3	19
59	Evaluation of colorimetric indices for the assessment of tooth whiteness. <i>Journal of Dentistry</i> , 2018 , 76, 132-136	4.8	5
58	Tooth color and whitening - digital technologies. <i>Journal of Dentistry</i> , 2018 , 74 Suppl 1, S42-S46	4.8	7
57	Comparative Evaluation of Color Differences between Color Palettes. <i>Color and Imaging Conference</i> , 2018 , 2018, 110-115	0.8	7
56	Colour meaning and consumer expectations. <i>Color Research and Application</i> , 2018 , 43, 100-109	1.3	5
55	Proactive Collaborative Conservation. <i>Journal of Cultural Heritage Management and Sustainable Development</i> , 2018 , 8, 321-341	1.3	2
54	A review of the effects of colour and light on non-image function in humans. <i>Coloration Technology</i> , 2017 , 133, 349-361	2	9
53	Vector-based modelling of colour difference: a pilot study of the DE2000 colour difference model. <i>Coloration Technology</i> , 2017 , 133, 15-25	2	1
52	Digitizing Traditional Cultural Designs. <i>Design Journal</i> , 2017 , 20, 639-658	0.6	3
51	Investigation of the perceptual thresholds of tooth whiteness. <i>Journal of Dentistry</i> , 2017 , 67S, S11-S14	4.8	23

50	Colour meaning and context. <i>Color Research and Application</i> , 2017 , 42, 450-459	1.3	14
49	The in vitro and in vivo reproducibility of a video-based digital imaging system for tooth colour measurement. <i>Journal of Dentistry</i> , 2017 , 67S, S15-S19	4.8	0
48	Gamut Volume Index: a color preference metric based on meta-analysis and optimized colour samples. <i>Optics Express</i> , 2017 , 25, 16378-16391	3.3	26
47	The CIE System 2016 , 161-169		2
46	CMYK Systems 2016 , 179-185		
45	RGB Systems 2016 , 171-177		
44	Color Communication 2016 , 153-160		1
43	A novel approach to using neural networks to predict the colour of fibre blends. <i>Coloration Technology</i> , 2016 , 132, 297-303	2	12
42	Colorimetric Characterization 2015 , 1-12		1
41	Monte Carlo Analysis of Incomplete Paired-Comparison Experiments. <i>Journal of Imaging Science and Technology</i> , 2014 , 58, 505061-505066	1.2	3
40	Evaluation of a model to predict anomalous-observer performance with the 100-hue test. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, A125-30	1.8	1
39	CIELAB and Colour Difference 2012 , 49-74		4
38	2012 ,		62
37	Discoloration of teeth after avulsion and replantation: results from a multicenter randomized controlled trial. <i>Journal of Endodontics</i> , 2011 , 37, 1052-7	4.7	30
36	A Novel Method for Representation of Spectral Images Based on Color Matching Functions. <i>Advanced Materials Research</i> , 2011 , 181-182, 410-415	0.5	
35	The Perceptual Study of the Tolerance of Spectral Images Based on Bootstrap Analysis. <i>Advanced Materials Research</i> , 2011 , 301-303, 1151-1156	0.5	
34	Analysis of Hyperspectral Images Based on PCA. <i>Advanced Materials Research</i> , 2011 , 187, 641-646	0.5	
33	A Study of Metameric Blacks for the Representation of Spectral Images. <i>Applied Mechanics and Materials</i> , 2011 , 55-57, 1116-1121	0.3	

32	Different transformation methods between CIELAB coordinates and Munsell hue. <i>Coloration Technology</i> , 2010 , 126, 31-36	2	7
31	Colour management of a low-cost four-colour ink-jet printing system on textiles. <i>Coloration Technology</i> , 2009 , 125, 29-35	2	12
30	A custom ink-jet printing system using a novel pretreatment method. <i>Coloration Technology</i> , 2009 , 125, 357-365	2	6
29	Development of a whiteness index for dentistry. <i>Journal of Dentistry</i> , 2009 , 37 Suppl 1, e21-6	4.8	40
28	Artificial neural networks explained - Part 1. <i>Coloration Technology</i> , 2008 , 114, 274-276		3
27	Artificial neural networks explained - Part 2. <i>Coloration Technology</i> , 2008 , 114, 312-315		1
26	A review of tooth colour and whiteness. <i>Journal of Dentistry</i> , 2008 , 36 Suppl 1, S2-7	4.8	97
25	A clinical study to evaluate the efficacy of a novel tray based tooth whitening system. <i>Journal of Dentistry</i> , 2008 , 36, 21-6	4.8	25
24	Dyeing behaviour of lyocell fabric: effect of fibrillation. <i>Coloration Technology</i> , 2007 , 123, 387-393	2	25
23	Comparison of the ability of different colour indices to assess changes in tooth whiteness. <i>Journal of Dentistry</i> , 2007 , 35, 109-16	4.8	60
22	Evaluation of blending effect of composites related to restoration size. <i>Dental Materials</i> , 2006 , 22, 299-307	3.7	32
21	Color interaction of dental materials: blending effect of layered composites. <i>Dental Materials</i> , 2006 , 22, 903-8	5.7	42
20	Model of luminance contrast-sensitivity function for application to image assessment. <i>Color Research and Application</i> , 2006 , 31, 315-319	1.3	21
19	Methods for Optimal Color Selection. <i>Journal of Imaging Science and Technology</i> , 2006 , 50, 481	1.2	27
18	Characterization of trichromatic color cameras by using a new multispectral imaging technique. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005 , 22, 1231-40	1.8	64
17	Evaluation of image similarity by histogram intersection. <i>Color Research and Application</i> , 2005 , 30, 265-274	1.5	41
16	2004 ,		102
15	Conditions for perceptual transparency. <i>Journal of Electronic Imaging</i> , 2004 , 13, 29	0.7	6

14	A comparative study of the characterisation of colour cameras by means of neural networks and polynomial transforms. <i>Coloration Technology</i> , 2004 , 120, 19-25	2	74
13	Accurate estimation of the nonlinearity of input/output response for color cameras. <i>Color Research and Application</i> , 2004 , 29, 406-412	1.3	16
12	Review of the CIE system of colorimetry and its use in dentistry. <i>Journal of Esthetic and Restorative Dentistry</i> , 2003 , 15 Suppl 1, S5-12	3.5	31
11	Prediction of transparency perception based on cone-excitation ratios. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 1673-80	1.8	18
10	Kubelka-Munk or neural networks for computer colorant formulation? 2002 , 4421, 745		10
9	Perceptual transparency 2002 ,		1
8	Conditions for perceptual transparency 2002 , 4662, 315		3
7	Colour perception may optimize biologically relevant surface discriminations [rather than type-I constancy. <i>Behavioral and Brain Sciences</i> , 2001 , 24, 658-659	0.9	
6	Colour statistics of natural and man-made surfaces. <i>Sensor Review</i> , 2000 , 20, 50-55	1.4	79
5	Invariant cone-excitation ratios may predict transparency. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000 , 17, 255-64	1.8	27
4	Multiple groups of orientation-selective visual mechanisms underlying rapid orientated-line detection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 1605-13	4.4	26
3	Orientation contrast vs orientation in line-target detection. <i>Vision Research</i> , 1995 , 35, 733-8	2.1	27
2	Optimized model of oriented-line-target detection using vertical and horizontal filters. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1995 , 12, 1617-22	1.8	7
1	Young people's colour preference and the arousal level of small apartments. <i>Color Research and Application</i> ,	1.3	4