

# Stephen Westland,, FsdC

## List of Publications by Citations

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**Version:** 2024-04-24

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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	<b>2004,</b>		102
84	A review of tooth colour and whiteness. <i>Journal of Dentistry</i> , <b>2008</b> , 36 Suppl 1, S2-7	4.8	97
83	Colour statistics of natural and man-made surfaces. <i>Sensor Review</i> , <b>2000</b> , 20, 50-55	1.4	79
82	A comparative study of the characterisation of colour cameras by means of neural networks and polynomial transforms. <i>Coloration Technology</i> , <b>2004</b> , 120, 19-25	2	74
81	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> , <b>2005</b> , 22, 1231-40	1.8	64
80	<b>2012,</b>		62
79	Comparison of the ability of different colour indices to assess changes in tooth whiteness. <i>Journal of Dentistry</i> , <b>2007</b> , 35, 109-16	4.8	60
78	Color interaction of dental materials: blending effect of layered composites. <i>Dental Materials</i> , <b>2006</b> , 22, 903-8	5.7	42
77	Evaluation of image similarity by histogram intersection. <i>Color Research and Application</i> , <b>2005</b> , 30, 265-274	4.5	41
76	Development of a whiteness index for dentistry. <i>Journal of Dentistry</i> , <b>2009</b> , 37 Suppl 1, e21-6	4.8	40
75	Evaluation of blending effect of composites related to restoration size. <i>Dental Materials</i> , <b>2006</b> , 22, 299-307	5.7	32
74	Review of the CIE system of colorimetry and its use in dentistry. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2003</b> , 15 Suppl 1, S5-12	3.5	31
73	Discoloration of teeth after avulsion and replantation: results from a multicenter randomized controlled trial. <i>Journal of Endodontics</i> , <b>2011</b> , 37, 1052-7	4.7	30
72	Methods for Optimal Color Selection. <i>Journal of Imaging Science and Technology</i> , <b>2006</b> , 50, 481	1.2	27
71	Invariant cone-excitation ratios may predict transparency. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2000</b> , 17, 255-64	1.8	27
70	Orientation contrast vs orientation in line-target detection. <i>Vision Research</i> , <b>1995</b> , 35, 733-8	2.1	27
69	Gamut Volume Index: a color preference metric based on meta-analysis and optimized colour samples. <i>Optics Express</i> , <b>2017</b> , 25, 16378-16391	3.3	26

68	Multiple groups of orientation-selective visual mechanisms underlying rapid orientated-line detection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 1605-13	4.4	26
67	A clinical study to evaluate the efficacy of a novel tray based tooth whitening system. <i>Journal of Dentistry</i> , <b>2008</b> , 36, 21-6	4.8	25
66	Dyeing behaviour of lyocell fabric: effect of fibrillation. <i>Coloration Technology</i> , <b>2007</b> , 123, 387-393	2	25
65	Investigation of the perceptual thresholds of tooth whiteness. <i>Journal of Dentistry</i> , <b>2017</b> , 67S, S11-S14	4.8	23
64	Model of luminance contrast-sensitivity function for application to image assessment. <i>Color Research and Application</i> , <b>2006</b> , 31, 315-319	1.3	21
63	The role of individual colour preferences in consumer purchase decisions. <i>Color Research and Application</i> , <b>2018</b> , 43, 258-267	1.3	19
62	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> , <b>2003</b> , 20, 1673-80	1.8	18
61	Accurate estimation of the nonlinearity of input/output response for color cameras. <i>Color Research and Application</i> , <b>2004</b> , 29, 406-412	1.3	16
60	A psychophysical measurement on subjective well-being and air pollution. <i>Nature Communications</i> , <b>2019</b> , 10, 5473	17.4	16
59	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> , <b>2018</b> , 68, 104-108	4.8	15
58	Colour meaning and context. <i>Color Research and Application</i> , <b>2017</b> , 42, 450-459	1.3	14
57	A method for exploring word-colour associations. <i>Color Research and Application</i> , <b>2020</b> , 45, 85-94	1.3	13
56	The impact of color preference on adolescent children's choice of furniture. <i>Color Research and Application</i> , <b>2020</b> , 45, 754-767	1.3	12
55	Colour management of a low-cost four-colour ink-jet printing system on textiles. <i>Coloration Technology</i> , <b>2009</b> , 125, 29-35	2	12
54	A novel approach to using neural networks to predict the colour of fibre blends. <i>Coloration Technology</i> , <b>2016</b> , 132, 297-303	2	12
53	Habitability Study on Space Station Colour Design. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 507-514	0.4	11
52	Kubelka-Munk or neural networks for computer colorant formulation? <b>2002</b> , 4421, 745		10
51	A review of the effects of colour and light on non-image function in humans. <i>Coloration Technology</i> , <b>2017</b> , 133, 349-361	2	9

50	Tooth color and whitening - digital technologies. <i>Journal of Dentistry</i> , <b>2018</b> , 74 Suppl 1, S42-S46	4.8	7
49	Different transformation methods between CIELAB coordinates and Munsell hue. <i>Coloration Technology</i> , <b>2010</b> , 126, 31-36	2	7
48	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> , <b>1995</b> , 12, 1617-22	1.8	7
47	Comparative Evaluation of Color Differences between Color Palettes. <i>Color and Imaging Conference</i> , <b>2018</b> , 2018, 110-115	0.8	7
46	A custom ink-jet printing system using a novel pretreatment method. <i>Coloration Technology</i> , <b>2009</b> , 125, 357-365	2	6
45	Conditions for perceptual transparency. <i>Journal of Electronic Imaging</i> , <b>2004</b> , 13, 29	0.7	6
44	Predicting visual similarity between colour palettes. <i>Color Research and Application</i> , <b>2020</b> , 45, 401-408	1.3	5
43	Evaluation of colorimetric indices for the assessment of tooth whiteness. <i>Journal of Dentistry</i> , <b>2018</b> , 76, 132-136	4.8	5
42	Colour meaning and consumer expectations. <i>Color Research and Application</i> , <b>2018</b> , 43, 100-109	1.3	5
41	CIELAB and Colour Difference <b>2012</b> , 49-74		4
40	Young people's colour preference and the arousal level of small apartments. <i>Color Research and Application</i> ,	1.3	4
39	Dominant Color Extraction with K-Means for Camera Characterization in Cultural Heritage Documentation. <i>Remote Sensing</i> , <b>2020</b> , 12, 520	5	4
38	Objective shade matching, communication, and reproduction by combining dental photography and numeric shade quantification. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2021</b> , 33, 107-117	3.5	4
37	Monte Carlo Analysis of Incomplete Paired-Comparison Experiments. <i>Journal of Imaging Science and Technology</i> , <b>2014</b> , 58, 505061-505066	1.2	3
36	Digitizing Traditional Cultural Designs. <i>Design Journal</i> , <b>2017</b> , 20, 639-658	0.6	3
35	Artificial neural networks explained - Part 1. <i>Coloration Technology</i> , <b>2008</b> , 114, 274-276		3
34	Conditions for perceptual transparency <b>2002</b> , 4662, 315		3
33	Machine learning for colour Palette extraction from fashion runway images. <i>International Journal of Fashion Design, Technology and Education</i> , <b>2020</b> , 13, 334-340	1.1	3

32	A yellowness index for use in dentistry. <i>Journal of Dentistry</i> , <b>2019</b> , 91, 103244	4.8	3
31	The role of gamut, intuition and engagement in colour management in a design context. <i>Coloration Technology</i> , <b>2020</b> , 136, 255-262	2	2
30	The Influence of Dental Occlusion on Spectrophotometric Tooth Color Determinations. <i>Open Dentistry Journal</i> , <b>2020</b> , 14, 247-254	0.8	2
29	The CIE System <b>2016</b> , 161-169		2
28	Analysis of experiments to determine individual colour preference. <i>Color Research and Application</i> , <b>2021</b> , 46, 155-167	1.3	2
27	Proactive Collaborative Conservation. <i>Journal of Cultural Heritage Management and Sustainable Development</i> , <b>2018</b> , 8, 321-341	1.3	2
26	Requirements capture for colour information for design professionals. <i>Color Research and Application</i> , <b>2018</b> , 43, 387-395	1.3	1
25	Towards the design of a blending system for precoloured fibres. <i>Coloration Technology</i> , <b>2019</b> , 135, 407-414		1
24	Vector-based modelling of colour difference: a pilot study of the DE2000 colour difference model. <i>Coloration Technology</i> , <b>2017</b> , 133, 15-25	2	1
23	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> , <b>2014</b> , 31, A125-30	1.8	1
22	Artificial neural networks explained - Part 2. <i>Coloration Technology</i> , <b>2008</b> , 114, 312-315		1
21	Perceptual transparency <b>2002</b> ,		1
20	Colorimetric Characterization <b>2015</b> , 1-12		1
19	Color Communication <b>2016</b> , 153-160		1
18	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> , <b>2020</b> , 17,	4.6	1
17	The effect of decision time-length condition on consumer product-colour purchase decision. <i>Color Research and Application</i> , <b>2021</b> , 46, 1360	1.3	1
16	Colour associations and consumer product-colour purchase decisions. <i>Color Research and Application</i> , <b>2021</b> , 46, 1119-1127	1.3	1
15	A comparative evaluation of similarity measurement algorithms within a colour palette. <i>Color Research and Application</i> , <b>2021</b> , 46, 332-340	1.3	1

14	Analyzing a decade of Colors of the Year. <i>Color Research and Application</i> , <b>2021</b> , 46, 258-270	1.3	1
13	Aroused and Impulsive Effects of Colour Stimuli on Lateral and Logical Abilities. <i>Behavioral Sciences (Basel, Switzerland)</i> , <b>2021</b> , 11,	2.3	1
12	The in vitro and in vivo reproducibility of a video-based digital imaging system for tooth colour measurement. <i>Journal of Dentistry</i> , <b>2017</b> , 67S, S15-S19	4.8	0
11	Space Habitat Astronautics: Multicolour Lighting Psychology in a 7-Day Simulated Habitat. <i>Space: Science &amp; Technology</i> , <b>2022</b> , 2022, 1-11		0
10	A Novel Method for Representation of Spectral Images Based on Color Matching Functions. <i>Advanced Materials Research</i> , <b>2011</b> , 181-182, 410-415	0.5	
9	The Perceptual Study of the Tolerance of Spectral Images Based on Bootstrap Analysis. <i>Advanced Materials Research</i> , <b>2011</b> , 301-303, 1151-1156	0.5	
8	Analysis of Hyperspectral Images Based on PCA. <i>Advanced Materials Research</i> , <b>2011</b> , 187, 641-646	0.5	
7	A Study of Metameric Blacks for the Representation of Spectral Images. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 55-57, 1116-1121	0.3	
6	Colour perception may optimize biologically relevant surface discriminations rather than type-I constancy. <i>Behavioral and Brain Sciences</i> , <b>2001</b> , 24, 658-659	0.9	
5	CMYK Systems <b>2016</b> , 179-185		
4	RGB Systems <b>2016</b> , 171-177		
3	Investigation of hue effects in tooth whiteness perception. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2021</b> , 33, 1045-1050	3.5	
2	Effects of Intensity of Short-Wavelength Light on the EEG and Performance of Astronauts During Target Tracking. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 279-289	0.9	
1	Gender Preference Differences in Color Temperature Associated with LED Light Sources in the Autopilot Cabin. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 151-166	0.9	