Stephen Westland,, Fsdc

List of Publications by Year
in descending order

93	1,893	279487 23	315357 38
papers	citations	h-index	g-index

97	97	97	1449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of tooth colour and whiteness. Journal of Dentistry, 2008, 36, 2-7.	1.7	131
2	A comparative study of the characterisation of colour cameras by means of neural networks and polynomial transforms. Coloration Technology, 2004, 120, 19-25.	0.7	109
3	Colour statistics of natural and manâ€made surfaces. Sensor Review, 2000, 20, 50-55.	1.0	86
4	Characterization of trichromatic color cameras by using a new multispectral imaging technique. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1231.	0.8	83
5	Comparison of the ability of different colour indices to assess changes in tooth whiteness. Journal of Dentistry, 2007, 35, 109-116.	1.7	72
6	Color interaction of dental materials: Blending effect of layered composites. Dental Materials, 2006, 22, 903-908.	1.6	61
7	Evaluation of blending effect of composites related to restoration size. Dental Materials, 2006, 22, 299-307.	1.6	60
8	Evaluation of image similarity by histogram intersection. Color Research and Application, 2005, 30, 265-274.	0.8	56
9	Development of a whiteness index for dentistry. Journal of Dentistry, 2009, 37, e21-e26.	1.7	55
10	Review of the CIE System of Colorimetry and Its Use in Dentistry. Journal of Esthetic and Restorative Dentistry, 2003, 15, S5-S12.	1.8	51
11	A psychophysical measurement on subjective well-being and air pollution. Nature Communications, 2019, 10, 5473.	5.8	50
12	Discoloration of Teeth after Avulsion and Replantation: Results from a Multicenter Randomized Controlled Trial. Journal of Endodontics, 2011, 37, 1052-1057.	1.4	38
13	The role of individual colour preferences in consumer purchase decisions. Color Research and Application, 2018, 43, 258-267.	0.8	38
14	Invariant cone-excitation ratios may predict transparency. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 255.	0.8	37
15	Methods for Optimal Color Selection. Journal of Imaging Science and Technology, 2006, 50, 481.	0.3	35
16	Dyeing behaviour of lyocell fabric: effect of fibrillation. Coloration Technology, 2007, 123, 387-393.	0.7	35
17	Objective and subjective aesthetic performance of iconÂ® treatment for enamel hypomineralization lesions in young adolescents: A retrospective single center study. Journal of Dentistry, 2018, 68, 104-108.	1.7	35
18	Investigation of the perceptual thresholds of tooth whiteness. Journal of Dentistry, 2017, 67, S11-S14.	1.7	32

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19	Multiple groups of orientationâ€“selective visual mechanisms underlying rapid orientatedâ€“line detection. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1605-1613.	1.2	31
20	Orientation contrast vs orientation in line-target detection. Vision Research, 1995, 35, 733-738.	0.7	30
21	Gamut Volume Index: a color preference metric based on meta-analysis and optimized colour samples. Optics Express, 2017, 25, 16378.	1.7	30
22	The impact of color preference on adolescent children's choice of furniture. Color Research and Application, 2020, 45, 754-767.	0.8	30
23	Model of luminance contrast-sensitivity function for application to image assessment. Color Research and Application, 2006, 31, 315-319.	0.8	29
24	A method for exploring wordâ€colour associations. Color Research and Application, 2020, 45, 85-94.	0.8	29
25	A clinical study to evaluate the efficacy of a novel tray based tooth whitening system. Journal of Dentistry, 2008, 36, 21-26.	1.7	28
26	Prediction of transparency perception based on cone-excitation ratios. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1673.	0.8	24
27	A novel approach to using neural networks to predict the colour of fibre blends. Coloration Technology, 2016, 132, 297-303.	0.7	23
28	Colour meaning and context. Color Research and Application, 2017, 42, 450-459.	0.8	20
29	Accurate estimation of the nonlinearity of input/output response for color cameras. Color Research and Application, 2004, 29, 406-412.	0.8	19
30	A review of the effects of colour and light on nonâ€image function in humans. Coloration Technology, 2017, 133, 349-361.	0.7	18
31	Tooth color and whitening â€“ digital technologies. Journal of Dentistry, 2018, 74, S42-S46.	1.7	16
32	Habitability Study on Space Station Colour Design. Advances in Intelligent Systems and Computing, 2020, , 507-514.	0.5	16
33	Kubelka-Munk or neural networks for computer colorant formulation?. , 2002, 4421, 745.		14
34	Machine learning for colour Palette extraction from fashion runway images. International Journal of Fashion Design, Technology and Education, 2020, 13, 334-340.	0.9	14
35	Predicting visual similarity between colour palettes. Color Research and Application, 2020, 45, 401-408.	0.8	14
36	Objective shade matching, communication, and reproduction by combining dental photography and numeric shade quantification. Journal of Esthetic and Restorative Dentistry, 2021, 33, 107-117.	1.8	14

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37	Conditions for perceptual transparency. Journal of Electronic Imaging, 2004, 13, 29.	0.5	13
38	Colour management of a lowâ€cost fourâ€colour inkâ€jet printing system on textiles. Coloration Technology, 2009, 125, 29-35.	0.7	12
39	Young people's colour preference and the arousal level of small apartments. Color Research and Application, 2022, 47, 783-795.	0.8	12
40	Optimized model of oriented-line-target detection using vertical and horizontal filters. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 1617.	0.8	11
41	Analysis of experiments to determine individual colour preference. Color Research and Application, 2021, 46, 155-167.	0.8	10
42	Comparative Evaluation of Color Differences between Color Palettes. Color and Imaging Conference, 2018, 26, 110-115.	0.1	10
43	Dominant Color Extraction with K-Means for Camera Characterization in Cultural Heritage Documentation. Remote Sensing, 2020, 12, 520.	1.8	10
44	Space Habitat Astronautics: Multicolour Lighting Psychology in a 7-Day Simulated Habitat. Space: Science & Technology, 2022, 2022, .	1.0	8
45	A custom ink-jet printing system using a novel pretreatment method. Coloration Technology, 2009, 125, 357-365.	0.7	7
46	Different transformation methods between CIELAB coordinates and Munsell hue. Coloration Technology, 2010, 126, 31-36.	0.7	7
47	Colour meaning and consumer expectations. Color Research and Application, 2018, 43, 100-109.	0.8	7
48	Evaluation of colorimetric indices for the assessment of tooth whiteness. Journal of Dentistry, 2018, 76, 132-136.	1.7	7
49	Analyzing a decade of Colors of the Year. Color Research and Application, 2021, 46, 258-270.	0.8	7
50	Colour associations and consumer productâ€colour purchase decisions. Color Research and Application, 2021, 46, 1119-1127.	0.8	7
51	The in vitro and in vivo reproducibility of a video-based digital imaging system for tooth colour measurement. Journal of Dentistry, 2017, 67, S15-S19.	1.7	6
52	The role of gamut, intuition and engagement in colour management in a design context. Coloration Technology, 2020, 136, 255-262.	0.7	6
53	Evaluation of a model to predict anomalous-observer performance with the 100-hue test. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A125.	0.8	5
54	Monte Carlo Analysis of Incomplete Paired-Comparison Experiments. Journal of Imaging Science and Technology, 2014, 58, 050506-1-050506-6.	0.3	5

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55	A yellowness index for use in dentistry. Journal of Dentistry, 2019, 91, 103244.	1.7	5
56	A Comparative Study of Colour Effects on Cognitive Performance in Real-World and VR Environments. Brain Sciences, 2022, 12, 31.	1.1	5
57	Digitizing Traditional Cultural Designs. Design Journal, 2017, 20, 639-658.	0.5	4
58	Proactive Collaborative Conservation. Journal of Cultural Heritage Management and Sustainable Development, 2018, 8, 321-341.	0.5	4
59	The CIE System. , 2016, , 161-169.		4
60	The Influence of Dental Occlusion on Spectrophotometric Tooth Color Determinations. Open Dentistry Journal, 2020, 14, 247-254.	0.2	4
61	Utilising design principles to improve the perception and effectiveness of public health infographics. Information Design Journal, 0, , .	0.4	4
62	<title>Conditions for perceptual transparency</title>. , 2002, 4662, 315.		3
63	Artificial neural networks explained â€•Part 1. Coloration Technology, 1998, 114, 274-276.	0.1	3
64	Requirements capture for colour information for design professionals. Color Research and Application, 2018, 43, 387-395.	0.8	3
65	The effect of decision timeâ€‐length condition on consumer productâ€‐colour purchase decision. Color Research and Application, 2021, 46, 1360.	0.8	3
66	Simple Primary Colour Editing for Consumer Product Images. Color and Imaging Conference, 2020, 28, 270-276.	0.1	3
67	Color spaces for discrimination and categorization in natural scenes. , 2002, , .		2
68	Evaluating contrast sensitivity. , 2006, 6057, 22.		2
69	A comparative evaluation of similarity measurement algorithms within a colour palette. Color Research and Application, 2021, 46, 332-340.	0.8	2
70	Aroused and Impulsive Effects of Colour Stimuli on Lateral and Logical Abilities. Behavioral Sciences (Basel, Switzerland), 2021, 11, 24.	1.0	2
71	Effects of Intensity of Short-Wavelength Light on the EEG and Performance of Astronauts During Target Tracking. Lecture Notes in Computer Science, 2022, , 279-289.	1.0	2
72	Gender Preference Differences in Color Temperature Associated with LED Light Sources in the Autopilot Cabin. Lecture Notes in Computer Science, 2022, , 151-166.	1.0	2

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73	Perceptual transparency. , 2002, , .		1
74	Artificial neural networks explained â€•Part 2. Coloration Technology, 1998, 114, 312-315.	0.1	1
75	Vector-based modelling of colour difference: a pilot study of the DE2000 colour difference model. Coloration Technology, 2017, 133, 15-25.	0.7	1
76	Towards the design of a blending system for precoloured fibres. Coloration Technology, 2019, 135, 407-414.	0.7	1
77	Designing Effective Warnings about Addiction on the Patient Information Leaflet of Over-the-Counter Codeine Sold in England to University Students. International Journal of Environmental Research and Public Health, 2020, 17, 5490.	1.2	1
78	Investigation of hue effects in tooth whiteness perception. Journal of Esthetic and Restorative Dentistry, 2021, 33, 1045-1050.	1.8	1
79	Colorimetric Characterization. , 2015, , 1-12.		1
80	RGB Systems. , 2016, , 171-177.		1
81	Color Communication. , 2016, , 153-160.		1
82	How Accurate can be the Smartphone camera for Cultural Heritage Color Reproduction with Auto Settings?. Archiving: Final Program and Proceedings IS & T's Archiving Conference, 2019, 16, 98-102.	0.1	1
83	Colour perception may optimize biologically relevant surface discriminations â€“ rather than type-I constancy. Behavioral and Brain Sciences, 2001, 24, 658-659.	0.4	0
84	Parametric investigation of multispectral imaging. , 2002, 4421, 943.		0
85	Colour science in dentistry. British Dental Journal, 2004, 196, 29-29.	0.3	0
86	The study of linear model for spectral images. , 2010, , .		0
87	A Novel Method for Representation of Spectral Images Based on Color Matching Functions. Advanced Materials Research, 2011, 181-182, 410-415.	0.3	0
88	The Perceptual Study of the Tolerance of Spectral Images Based on Bootstrap Analysis. Advanced Materials Research, 2011, 301-303, 1151-1156.	0.3	0
89	Analysis of Hyperspectral Images Based on PCA. Advanced Materials Research, 2011, 187, 641-646.	0.3	0
90	A Study of Metameric Blacks for the Representation of Spectral Images. Applied Mechanics and Materials, 0, 55-57, 1116-1121.	0.2	0

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91	Color Difference Evaluation for Digital Pictorial Images Using the Magnitude Estimation Method. Journal of Imaging Science and Technology, 2015, 59, 105031-105038.	0.3	0
92	CMYK Systems. , 2016, , 179-185.		0
93	Effect of choosing a different number of linearization samples on display characterization. Color and Imaging Conference, 2018, 2018, 237-240.	0.1	0