

John L Barbur

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3442790/john-l-barbur-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

62
papers

1,160
citations

20
h-index

32
g-index

69
ext. papers

1,324
ext. citations

4.3
avg, IF

4.39
L-index

#	Paper	IF	Citations
62	Aging of visual mechanisms. <i>Progress in Brain Research</i> , 2022 ,	2.9	0
61	Impact of symptomatic vitreous degeneration on photopic and mesopic contrast thresholds. <i>Australasian journal of optometry, The</i> , 2021 , 1-8	2.7	0
60	Relationship Between Flicker Modulation Sensitivity and Retinal Ganglion Cell Related Layer Thicknesses. <i>Translational Vision Science and Technology</i> , 2021 , 10, 16	3.3	
59	Evaluation of photoreceptor function in inherited retinal diseases using rod- and cone-enhanced flicker stimuli. <i>Ophthalmic and Physiological Optics</i> , 2021 , 41, 874-884	4.1	3
58	Color vision assessment-1: Visual signals that affect the results of the Farnsworth D-15 test. <i>Color Research and Application</i> , 2021 , 46, 7-20	1.3	3
57	Color vision assessment-3. An efficient, two-step, color assessment protocol. <i>Color Research and Application</i> , 2021 , 46, 33-45	1.3	4
56	Color vision assessment-2: Color assessment outcomes using single and multi-test protocols. <i>Color Research and Application</i> , 2021 , 46, 21-32	1.3	4
55	Changes in forward light scatter parameters as a function of refractive error in young adults. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 925-930	3.8	1
54	Age-related change in flicker thresholds with rod- and cone-enhanced stimuli. <i>PLoS ONE</i> , 2020 , 15, e0232784	3.784	7
53	Author's reply. <i>Ophthalmic and Physiological Optics</i> , 2018 , 38, 469	4.1	
52	Acuity and colour vision changes post intravitreal dexamethasone implant injection in patients with diabetic macular oedema. <i>PLoS ONE</i> , 2018 , 13, e0199693	3.7	6
51	Colour vision requirements in visually demanding occupations. <i>British Medical Bulletin</i> , 2017 , 122, 51-77	5.4	15
50	Detection of Early Loss of Color Vision in Age-Related Macular Degeneration - With Emphasis on Drusen and Reticular Pseudodrusen 2017 , 58, BIO247-BIO254		14
49	Coloured overlays and precision-tinted lenses: poor repeatability in a sample of adults and children diagnosed with visual stress. <i>Ophthalmic and Physiological Optics</i> , 2017 , 37, 542-548	4.1	5
48	Transient Smartphone "Blindness". <i>New England Journal of Medicine</i> , 2016 , 374, 2502-4	59.2	25
47	Flicker Sensitivity in Normal Aging--Monocular Tests of Retinal Function at Photopic and Mesopic Light Levels 2016 , 57, 387-95		13
46	Color Vision in Clinical Practice 2016 , 269-315		1

45	Severe, persistent visual impairment associated with occipital calcification and coeliac disease. <i>Journal of Neurology</i> , 2015 , 262, 2056-63	5.5	5
44	The coupling of vision with locomotion in cortical blindness. <i>Vision Research</i> , 2015 , 110, 286-94	2.1	11
43	Cortical hyperexcitability and sensitivity to discomfort glare. <i>Neuropsychologia</i> , 2015 , 69, 194-200	3.2	25
42	Mechanisms for discomfort glare in central vision. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 56, 464-71		13
41	Assessment of novel binocular colour, motion and contrast tests in glaucoma. <i>Cell and Tissue Research</i> , 2013 , 353, 297-310	4.2	12
40	Processing of color signals in female carriers of color vision deficiency. <i>Journal of Vision</i> , 2012 , 12,	0.4	7
39	Changes in color vision with decreasing light level: separating the effects of normal aging from disease. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, A27-35 ^{1.8}		10
38	Assessing the severity of color vision loss with implications for aviation and other occupational environments. <i>Aviation, Space, and Environmental Medicine</i> , 2012 , 83, 19-29		26
37	Evidence for Non-Opponent Coding of Colour Information in Human Visual Cortex: Selective Loss of "Green" Sensitivity in a Subject with Damaged Ventral Occipito-Temporal Cortex. <i>Neuro-Ophthalmology</i> , 2011 , 35, 1-6	0.9	2
36	Effects of hypoxia on color vision with emphasis on the mesopic range. <i>Expert Review of Ophthalmology</i> , 2011 , 6, 409-420	1.5	10
35	Exploring eye movements in patients with glaucoma when viewing a driving scene. <i>PLoS ONE</i> , 2010 , 5, e9710	3.7	95
34	Low contrast acuity at photopic and mesopic luminance under mild hypoxia, normoxia, and hyperoxia. <i>Aviation, Space, and Environmental Medicine</i> , 2009 , 80, 933-40		11
33	Colour constancy and conscious perception of changes of illuminant. <i>Neuropsychologia</i> , 2008 , 46, 853-63 _{3.2}		42
32	A study of unusual Rayleigh matches in deutan deficiency. <i>Visual Neuroscience</i> , 2008 , 25, 507-16	1.7	41
31	Mild hypoxia impairs chromatic sensitivity in the mesopic range. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 820-7		38
30	Effects of higher-order aberrations on contrast acuity as a function of light level. <i>Journal of Modern Optics</i> , 2008 , 55, 791-803	1.1	29
29	The effects of supplementation with lutein and/or zeaxanthin on human macular pigment density and colour vision. <i>Ophthalmic and Physiological Optics</i> , 2006 , 26, 137-47	4.1	58
28	Supplementation with the carotenoids lutein or zeaxanthin improves human visual performance. <i>Ophthalmic and Physiological Optics</i> , 2006 , 26, 362-71	4.1	102

27	Effective contrast of colored stimuli in the mesopic range: a metric for perceived contrast based on achromatic luminance contrast. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005 , 22, 17-28	1.8	21
26	Color vision tests for aviation: comparison of the anomaloscope and three lantern types. <i>Aviation, Space, and Environmental Medicine</i> , 2005 , 76, 421-9		15
25	Double-blindsight revealed through the processing of color and luminance contrast defined motion signals. <i>Progress in Brain Research</i> , 2004 , 144, 243-59	2.9	37
24	Study of instantaneous color constancy mechanisms in human vision. <i>Journal of Electronic Imaging</i> , 2004 , 13, 15	0.7	16
23	The effect of image colour distortion on evaluation of donor liver suitability for transplantation. <i>Computers in Biology and Medicine</i> , 2004 , 34, 615-32	7	3
22	Understanding colour. <i>Trends in Cognitive Sciences</i> , 2003 , 7, 434-436	14	2
21	New test to assess pilot's vision following refractive surgery. <i>Aviation, Space, and Environmental Medicine</i> , 2003 , 74, 551-9		7
20	Pupil response components: studies in patients with Parinaud's syndrome. <i>Brain</i> , 2002 , 125, 2296-307	11.2	46
19	Experimental studies of instantaneous color constancy: dynamic color matching under rapid changes of illuminant 2002 , 4662, 298		2
18	A comparative study of stimulus-specific pupil responses in the domestic fowl (<i>Gallus gallus domesticus</i>) and the human. <i>Vision Research</i> , 2002 , 42, 249-55	2.1	22
17	Measurements of chromatic sensitivity in the mesopic range. <i>Color Research and Application</i> , 2001 , 26, S36-S42	1.3	26
16	Variation of chromatic sensitivity across the life span. <i>Vision Research</i> , 2001 , 41, 23-36	2.1	142
15	Pupil responses to stimulus color, structure and light flux increments in the rhesus monkey. <i>Vision Research</i> , 1998 , 38, 3353-8	2.1	46
14	A novel method for the photometric evaluation of searchlights. <i>Measurement Science and Technology</i> , 1997 , 8, 117-122	2	
13	Pupil response triggered by the onset of coherent motion. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1997 , 235, 494-500	3.8	31
12	Motion discrimination of single targets: comparison of preliminary findings in normal subjects and patients with glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1996 , 234, 553-60	3.8	2
11	A Study of Pupil Response Components in Human Vision 1995 , 3-18		7
10	Pupillary function in human amblyopia. <i>Ophthalmic and Physiological Optics</i> , 1994 , 14, 139-49	4.1	22

9	PUPIL RESPONSE AS AN OBJECTIVE MEASURE OF VISUAL ACUITY*. <i>Ophthalmic and Physiological Optics</i> , 1987 , 7, 425-429	4.1	29
8	A new photographic-based system for the measurement of contrast sensitivity. <i>Ophthalmic and Physiological Optics</i> , 1986 , 6, 407-14	4.1	1
7	Speed discrimination and its relation to involuntary eye movements in human vision. <i>Neuroscience Letters</i> , 1985 , 54, 7-12	3.3	6
6	The analysis of scattered light effects in hemianopic and normal vision. <i>Behavioral and Brain Sciences</i> , 1983 , 6, 448-449	0.9	1
5	REACTION-TIME DETERMINATION OF THE LATENCY BETWEEN VISUAL SIGNALS GENERATED BY RODS AND CONES. <i>Ophthalmic and Physiological Optics</i> , 1982 , 2, 179-185	4.1	11
4	REACTION-TIME DETERMINATION OF THE LATENCY BETWEEN VISUAL SIGNALS GENERATED BY RODS AND CONES 1982 , 2, 179		1
3	Subthreshold addition of real and apparent motion. <i>Vision Research</i> , 1981 , 21, 557-64	2.1	10
2	Quantitative studies of some dynamic visual effects. <i>Perception</i> , 1980 , 9, 303-16	1.2	5
1	Color vision changes in normal aging 180-196		11