John Mollon

List of Publications by Year
in descending order

139 papers	7,138 citations	50276 46 h-index	64796 79 g-index
149 all docs	149 docs citations	149 times ranked	3564 citing authors

#	Article	IF	Citations
1	Bongard and Smirnov on the tetrachromacy of extra-foveal vision. Vision Research, 2022, 195, 107952.	1.4	3
2	What kind of network is the brain?. Trends in Cognitive Sciences, 2022, 26, 312-324.	7.8	3
3	Separation in the visual field has divergent effects on discriminating the speed and the direction of motion. Current Biology, 2020, 30, R1250-R1251.	3.9	1
4	â€˜The last channelâ€™: vision at the temporal margin of the field. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200607.	2.6	1
5	Cortical communication and the comparison of colors. Current Opinion in Behavioral Sciences, 2019, 30, 203-209.	3.9	2
6	Tetrachromacy: the mysterious case of extra-ordinary color vision. Current Opinion in Behavioral Sciences, 2019, 30, 130-134.	3.9	8
7	Horizontal lines in the MacLeod-Boynton diagram: Saturation discrimination and hue discrimination compared. Journal of Vision, 2019, 19, 7.	0.3	1
8	Syringe labels seen through the eyes of the colour-deficient clinician. British Journal of Anaesthesia, 2018, 121, 1370-1373.	3.4	5
9	Cerebral iconics: how are visual stimuli represented centrally in the human brain?. , 2018, 85, 87-94.	0.0	0
10	General and specific factors in the processing of faces. Vision Research, 2017, 141, 217-227.	1.4	82
11	Individual differences in human eye movements: An oculomotor signature?. Vision Research, 2017, 141, 157-169.	1.4	122
12	An exploratory factor analysis of visual performance in a large population. Vision Research, 2017, 141, 303-316.	1.4	27
13	Individual differences as a window into the structure and function of the visual system. Vision Research, 2017, 141, 1-3.	1.4	6
14	Individual differences in visual science: What can be learned and what is good experimental practice?. Vision Research, 2017, 141, 4-15.	1.4	82
15	The Oxytocin Receptor Gene (<i>OXTR</i>) and Face Recognition. Psychological Science, 2017, 28, 47-55.	3.3	20
16	Homozygous Resistance to Thyroid Hormone Î²: Can Combined Antithyroid Drug and Triiodothyroacetic Acid Treatment Prevent Cardiac Failure?. Journal of the Endocrine Society, 2017, 1, 1203-1212.	0.2	13
17	The comparison of spatially separated stimuli: judgments of speed. Journal of Vision, 2017, 17, 21.	0.3	0
18	The discrimination of speed when the discriminanda are spatially separated and are moving in the same or in different directions. Journal of Vision, 2017, 17, 46.	0.3	0

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19	Superior discrimination for hue than for saturation and an explanation in terms of correlated neural noise. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160164.	2.6	10
20	A new Mooney test. Behavior Research Methods, 2016, 48, 1546-1559.	4.0	7
21	Speed and the coherence of superimposed chromatic gratings. Vision Research, 2016, 122, 66-72.	1.4	0
22	Is discrimination enhanced at a category boundary? The case of unique red. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, A260.	1.5	1
23	A population study of binocular function. Vision Research, 2015, 110, 34-50.	1.4	70
24	Suggestive Association With Ocular Phoria at Chromosome 6p22. , 2014, 55, 345.		10
25	Symmetries and asymmetries in chromatic discrimination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A247.	1.5	7
26	Counterphase modulation flicker photometry: phenotypic and genotypic associations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A226.	1.5	3
27	Counterphase modulation photometry: comparison of two instruments. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A34.	1.5	4
28	Individual differences provide psychophysical evidence for separate on- and off-pathways deriving from short-wave cones. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A47.	1.5	13
29	Variants in the 1q21 risk region are associated with a visual endophenotype of autism and schizophrenia. Genes, Brain and Behavior, 2014, 13, 144-151.	2.2	32
30	Is discrimination enhanced at the boundaries of perceptual categories? A negative case. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140367.	2.6	9
31	An online version of the Mooney Face Test: phenotypic and genetic associations. Neuropsychologia, 2014, 63, 19-25.	1.6	24
32	Can spatial resolution reveal individual differences in the L:M cone ratio?. Vision Research, 2013, 78, 26-38.	1.4	13
33	X-linked cone dystrophy and colour vision deficiency arising from a missense mutation in a hybrid L/M cone opsin gene. Vision Research, 2013, 80, 41-50.	1.4	22
34	Genetic association suggests that SMOC1 mediates between prenatal sex hormones and digit ratio. Human Genetics, 2013, 132, 415-421.	3.8	43
35	Compatible and incompatible representations in visual sensory storage. Journal of Vision, 2012, 12, 1-1.	0.3	13
36	Do different â€˜magnocellular tasksâ€™ probe the same neural substrate?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4263-4271.	2.6	41

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37	Cardinal axes are not independent in color discrimination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, A157.	1.5	21
38	The Lagerlunda Collision and the Introduction of Color Vision Testing. Survey of Ophthalmology, 2012, 57, 178-194.	4.0	12
39	Kirschmannâ€™s Fourth Law. Vision Research, 2012, 53, 40-46.	1.4	13
40	Foveal color perception: Minimal thresholds at a boundary between perceptual categories. Vision Research, 2012, 62, 162-172.	1.4	28
41	Parafoveal color discrimination: A chromaticity locus of enhanced discrimination. Journal of Vision, 2011, 10, 4-4.	0.3	34
42	Vision out of the corner of the eye. Vision Research, 2011, 51, 203-214.	1.4	40
43	The effect of photopigment optical density on the color vision of the anomalous trichromat. Vision Research, 2011, 51, 2224-2233.	1.4	28
44	Integrity of the Cone Photoreceptor Mosaic in Oligocone Trichromacy. , 2011, 52, 4757.		33
45	Is there brief temporal buffering of successive visual inputs?. Quarterly Journal of Experimental Psychology, 2011, 64, 767-791.	1.1	16
46	Is there a general trait of susceptibility to simultaneous contrast?. Vision Research, 2010, 50, 1656-1664.	1.4	25
47	The dimensionality of color vision in carriers of anomalous trichromacy. Journal of Vision, 2010, 10, 12-12.	0.3	79
48	Latency characteristics of the short-wavelength-sensitive cones and their associated pathways. Journal of Vision, 2009, 9, 5-5.	0.3	11
49	The psychophysics of detecting binocular discrepancies of luminance. Vision Research, 2009, 49, 1929-1938.	1.4	40
50	A neural basis for unique hues?. Current Biology, 2009, 19, R441-R442.	3.9	52
51	The symmetry of visual fields in chromatic discrimination. Brain and Cognition, 2009, 69, 39-46.	1.8	13
52	Gregory's 1977 Paper. Perception, 2009, 38, 827-836.	1.2	1
53	Hemifield differences in spatial and colour discriminations and the mechanisms of sensory comparison. International Journal of Psychophysiology, 2008, 69, 139.	1.0	0
54	Relative latencies of cone signals measured by a moving vernier task. Journal of Vision, 2008, 8, 16-16.	0.3	6

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55	Do masks terminate the icon?. Quarterly Journal of Experimental Psychology, 2006, 59, 150-160.	1.1	27
56	The comparison of spatially separated colours. Vision Research, 2006, 46, 823-836.	1.4	32
57	Color discrimination in carriers of color deficiency. Vision Research, 2006, 46, 2894-2900.	1.4	42
58	2005 Verriest Medal awarded to Professor John D. Mollon. Visual Neuroscience, 2006, 23, ii-ii.	1.0	0
59	The gap effect is exaggerated in parafovea. Visual Neuroscience, 2006, 23, 509-517.	1.0	4
60	Monge: The Verriest Lecture, Lyon, July 2005. Visual Neuroscience, 2006, 23, 297-309.	1.0	93
61	Blue cone monochromatism: a phenotype and genotype assessment with evidence of progressive loss of cone function in older individuals. Eye, 2005, 19, 2-10.	2.1	61
62	Multidimensional scaling reveals a color dimension unique to â€˜color-deficientâ€™ observers. Current Biology, 2005, 15, R950-R952.	3.9	68
63	A detailed phenotypic study of "cone dystrophy with supernormal rod ERG". British Journal of Ophthalmology, 2005, 89, 332-339.	3.9	63
64	X-Linked Cone Dysfunction Syndrome with Myopia and Protanopia. Ophthalmology, 2005, 112, 1448-1454.	5.2	53
65	Progressive Cone Dystrophy Associated with Mutation inCNGB3. , 2004, 45, 1975.		74
66	Achromatopsia caused by novel mutations in both CNGA3 and CNGB3. Journal of Medical Genetics, 2004, 41, 20e-20.	3.2	109
67	Modelling the Rayleigh match. Visual Neuroscience, 2004, 21, 477-482.	1.0	23
68	Is the S-opponent chromatic sub-system sluggish?. Vision Research, 2004, 44, 2919-2929.	1.4	57
69	Colors of primate pelage and skin: Objective assessment of conspicuousness. American Journal of Primatology, 2003, 59, 67-91.	1.7	122
70	The Origins of Modern Color Science. , 2003, , 1-39.		47
71	Cone dystrophy phenotype associated with a frameshift mutation (M280fsX291) in the Â-subunit of cone specific transducin (GNAT2). British Journal of Ophthalmology, 2003, 87, 1317-1320.	3.9	45
72	Comparison at a Distance. Perception, 2003, 32, 395-414.	1.2	20

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73	The origins of the concept of interference. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 807-819.	3.4	20
74	Conditions under Which Stereopsis and Motion Perception are Blind. Perception, 2002, 31, 65-71.	1.2	14
75	Signals Invisible to the Collicular and Magnocellular Pathways Can Capture Visual Attention. Current Biology, 2002, 12, 1312-1316.	3.9	100
76	A cluster of single nucleotide polymorphisms in the 5â€²-leader of the human dopamine D3 receptor gene (DRD3) and its relationship to schizophrenia. Neuroscience Letters, 2000, 279, 13-16.	2.1	45
77	Catarrhine Photopigments are Optimized for Detecting Targets Against a Foliage Background. Journal of Experimental Biology, 2000, 203, 1963-1986.	1.7	230
78	Chromaticity as a Signal of Ripeness in Fruits Taken by Primates. Journal of Experimental Biology, 2000, 203, 1987-2000.	1.7	144
79	Color vision: Opsins and options. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4743-4745.	7.1	37
80	Colour discrimination thresholds in Parkinson's disease: results obtained with a rapid computer-controlled colour vision test. Vision Research, 1998, 38, 3427-3431.	1.4	49
81	Shift in Rayleigh matches after adaptation to monochromatic light of various intensities. Vision Research, 1998, 38, 3253-3257.	1.4	2
82	Molecular evolution of trichromacy in primates. Vision Research, 1998, 38, 3299-3306.	1.4	151
83	Frugivory and colour vision in Alouatta seniculus, a trichromatic platyrrhine monkey. Vision Research, 1998, 38, 3321-3327.	1.4	140
84	Colour discrimination ellipses in patients with dominant optic atrophy. Vision Research, 1998, 38, 3413-3419.	1.4	31
85	Motion Minima for Different Directions in Color Space. Vision Research, 1997, 37, 1479-1498.	1.4	17
86	Adaptation and the color statistics of natural images. Vision Research, 1997, 37, 3283-3298.	1.4	251
87	". . . On the Basis of Velocity Clues Alone": Some Perceptual Themes 1946-1996. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1997, 50, 859-878.	2.3	2
88	Association of CAG repeat expansions with clinical features of schizophrenia. Schizophrenia Research, 1996, 18, 168.	2.0	1
89	Association studies of the DRD3 dopamine receptor gene and the NT-3 (neurotrophin-3) gene in unrelated schizophrenics. Schizophrenia Research, 1996, 18, 163.	2.0	0
90	Measurements of Human Sensitivity to Comb-filtered Spectra. Vision Research, 1996, 36, 2713-2720.	1.4	11

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91	Susanne Liebmann in the Critical Zone. Perception, 1996, 25, 1451-1495.	1.2	8
92	<title>Color in natural images and its implications for visual adaptation</title>. , 1996, , .		2
93	Three remarks on perceptual learning. Spatial Vision, 1996, 10, 51-58.	1.4	200
94	Colour constancy influenced by contrast adaptation. Nature, 1995, 373, 694-698.	27.8	126
95	What do colour-blind people see?. Nature, 1995, 376, 127-128.	27.8	129
96	The chemistry of John Dalton's color blindness. Science, 1995, 267, 984-988.	12.6	99
97	Adaptive evolution of color vision genes in higher primates. Science, 1995, 269, 1265-1267.	12.6	97
98	CAG repeat expansions and schizophrenia: association with disease in females and with early age-at-onset. Human Molecular Genetics, 1995, 4, 1957-1961.	2.9	131
99	Rayleigh matches and unique green. Vision Research, 1995, 35, 613-620.	1.4	48
100	Sequence and Evolution of the Blue Cone Pigment Gene in Old and New World Primates. Genomics, 1995, 27, 535-538.	2.9	42
101	Association study of CAG expansions with schizophrenia. Schizophrenia Research, 1995, 15, 41.	2.0	2
102	The influence of contrast adaptation on color appearance. Vision Research, 1994, 34, 1993-2020.	1.4	213
103	Luminance noise and the rapid determination of discrimination ellipses in colour deficiency. Vision Research, 1994, 34, 1279-1299.	1.4	288
104	Sequence divergence, polymorphism and evolution of the middle-wave and long-wave visual pigment genes of great apes and old world monkeys. Vision Research, 1994, 34, 2483-2491.	1.4	75
105	Mixing genes and mixing colours. Current Biology, 1993, 3, 82-85.	3.9	6
106	A study of women heterozygous for colour deficiencies. Vision Research, 1993, 33, 1495-1508.	1.4	210
107	Structure and evolution of the polymorphic photopigment gene of the marmoset. Vision Research, 1993, 33, 147-154.	1.4	70
108	The relationship between cone pigments and behavioural sensitivity in a new world monkey (Callithrix) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	131

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109	A reduction in stimulus duration can improve wavelength discriminations mediated by short-wave cones. Vision Research, 1992, 32, 745-755.	1.4	11
110	The polymorphic photopigments of the marmoset: spectral tuning and genetic basis.. EMBO Journal, 1992, 11, 2039-2045.	7.8	112
111	Worlds of difference. Nature, 1992, 356, 378-379.	27.8	42
112	The spatial arrangement of cones in the primate fovea. Nature, 1992, 360, 677-679.	27.8	140
113	Changes in colour appearance following post-receptoral adaptation. Nature, 1991, 349, 235-238.	27.8	243
114	Hue and the heptahelicals. Nature, 1991, 351, 696-697.	27.8	12
115	Discussion: Biophysics and Psychophysics of Photoreceptors. , 1991, , 35-40.		0
116	<title>Difficulties faced by color-anomalous observers in interpreting color displays</title>. , 1990, , .		3
117	The club-sandwich mystery. Nature, 1990, 343, 16-17.	27.8	52
118	Polymorphism of visual pigments in a callitrichid monkey. Vision Research, 1988, 28, 481-490.	1.4	98
119	Transient tritanopia of a second kind. Vision Research, 1987, 27, 637-650.	1.4	14
120	John Elliot MD (1747â€“1787). Nature, 1987, 329, 19-20.	27.8	9
121	The discriminability of colours on c.r.t. displays. Journal of the Institution of Electronic and Radio Engineers, 1986, 56, 107.	0.1	15
122	Walter Stanley Stiles 1901â€“1985. Perception, 1986, 15, 657-666.	1.2	1
123	The Spectral Sensitivities of the Middle- and Long-Wavelength Cones: An Extension of the Two-Colour Threshold Technique of W S Stiles. Perception, 1986, 15, 729-754.	1.2	29
124	Molecular genetics: Understanding colour vision. Nature, 1986, 321, 12-13.	27.8	12
125	Perception: Questions of sex and colour. Nature, 1986, 323, 578-579.	27.8	17
126	Two types of trichromatic squirrel monkey share a pigment in the red-green spectral region. Vision Research, 1985, 25, 1937-1946.	1.4	35

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127	Microspectrophotometric measurements indicate variation in the visual pigments of the common marmoset, a new world primate. Vision Research, 1984, 24, 1698.	1.4	2
128	Color Vision. Annual Review of Psychology, 1982, 33, 41-85.	17.7	180
129	Behavioural and microspectrophotometric measurements of colour vision in monkeys. Nature, 1981, 292, 541-543.	27.8	28
130	Post-receptoral processes in colour vision. Nature, 1980, 283, 623-624.	27.8	16
131	Microspectrophotometric demonstration of four classes of photoreceptor in an old world primate, Macaca fascicularis.. Journal of Physiology, 1980, 298, 131-143.	2.9	134
132	Post-receptoral adaptation. Vision Research, 1979, 19, 435-440.	1.4	31
133	A theory of theÎ1andÎ3color mechanisms of stiles. Vision Research, 1979, 19, 293-312.	1.4	211
134	The visual pigments of rods and cones in the rhesus monkey, Macaca mulatta.. Journal of Physiology, 1978, 274, 329-348.	2.9	105
135	Saturation of a retinal cone mechanism. Nature, 1977, 265, 243-246.	27.8	46
136	Colour illusion and evidence for interaction between cone mechanisms. Nature, 1975, 258, 421-422.	27.8	45
137	Reaction time as a measure of the temporal response properties of individual colour mechanisms. Vision Research, 1973, 13, 27-40.	1.4	135
138	The independence of the temporal integration properties of individual chromatic mechanisms in the human eye. Journal of Physiology, 1971, 219, 611-623.	2.9	76
139	Fixation and Perception. Optica Acta, 1968, 15, 295-297.	0.7	1