

Daphne Lynne McCulloch

List of Publications by Citations

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63

papers

3,375

citations

23

h-index

58

g-index

71

ext. papers

3,927

ext. citations

2.7

avg, IF

5.08

L-index

#	Paper	IF	Citations
63	ISCEV Standard for full-field clinical electroretinography (2015 update). <i>Documenta Ophthalmologica</i> , 2015 , 130, 1-12	2.2	848
62	ISCEV standard for clinical multifocal electroretinography (mfERG) (2011 edition). <i>Documenta Ophthalmologica</i> , 2012 , 124, 1-13	2.2	401
61	ISCEV standard for clinical visual evoked potentials (2009 update). <i>Documenta Ophthalmologica</i> , 2010 , 120, 111-9	2.2	385
60	ISCEV standard for clinical pattern electroretinography (PERG): 2012 update. <i>Documenta Ophthalmologica</i> , 2013 , 126, 1-7	2.2	302
59	ISCEV standard for clinical visual evoked potentials: (2016 update). <i>Documenta Ophthalmologica</i> , 2016 , 133, 1-9	2.2	289
58	ISCEV standard for clinical electro-oculography (2010 update). <i>Documenta Ophthalmologica</i> , 2011 , 122, 1-7	2.2	83
57	Cortical visual dysfunction in children: a clinical study. <i>Eye</i> , 1996 , 10 (Pt 3), 302-9	4.4	82
56	Visual evoked potentials in infants and children. <i>Journal of Clinical Neurophysiology</i> , 1992 , 9, 357-72	2.2	76
55	Scotopic electroretinogram in term infants born of mothers supplemented with docosahexaenoic acid during pregnancy. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3685-91		74
54	Visual outcome in infants born to drug-misusing mothers prescribed methadone in pregnancy. <i>British Journal of Ophthalmology</i> , 2014 , 98, 238-45	5.5	44
53	Maturation of the pattern-reversal VEP in human infants: a theoretical framework. <i>Vision Research</i> , 1999 , 39, 3673-80	2.1	44
52	Vitamin A supplementation improves retinal function in infants at risk of retinopathy of prematurity. <i>Journal of Pediatrics</i> , 2012 , 160, 954-9.e1	3.6	41
51	Absolute quantification of oxygenated hemoglobin within the visual cortex with functional near infrared spectroscopy (fNIRS) 2010 , 51, 4856-60		39
50	Clinical assessment, optic disk measurements, and visual-evoked potential in optic nerve hypoplasia. <i>American Journal of Ophthalmology</i> , 1995 , 120, 605-12	4.9	38
49	Visual evoked potentials and visual prognosis following perinatal asphyxia. <i>JAMA Ophthalmology</i> , 1991 , 109, 229-33		37
48	Prognostic value of VEPs in young children with acute onset of cortical blindness. <i>Pediatric Neurology</i> , 1991 , 7, 111-5	2.9	37
47	A VEP investigation of parallel visual pathway development in primary school age children. <i>Documenta Ophthalmologica</i> , 1999 , 99, 1-10	2.2	33

46	Pattern reversal visual evoked potentials following early treatment of unilateral, congenital cataract. <i>JAMA Ophthalmology</i> , 1994 , 112, 510-8		32
45	Neonatal visual evoked potentials in infants born to mothers prescribed methadone. <i>Pediatrics</i> , 2013 , 131, e857-63	7.4	31
44	A randomized trial of long-chain polyunsaturated fatty acid supplementation in infants with phenylketonuria. <i>Developmental Medicine and Child Neurology</i> , 2006 , 48, 207-12	3.3	30
43	Localization of hemodynamic responses to simple visual stimulation: an fNIRS study 2012 , 53, 2266-73		28
42	Comparisons of contact lens, foil, fiber and skin electrodes for patterns electroretinograms. <i>Documenta Ophthalmologica</i> , 1997 , 94, 327-40	2.2	28
41	VEP estimation of visual acuity: a systematic review. <i>Documenta Ophthalmologica</i> , 2021 , 142, 25-74	2.2	21
40	ISCEV extended protocol for the stimulus-response series for light-adapted full-field ERG. <i>Documenta Ophthalmologica</i> , 2019 , 138, 205-215	2.2	20
39	The effects of visual degradation on face discrimination. <i>Ophthalmic and Physiological Optics</i> , 2011 , 31, 240-8	4.1	20
38	Pattern-onset visual evoked potentials: more useful than reversal for patients with nystagmus. <i>Documenta Ophthalmologica</i> , 1997 , 94, 265-74	2.2	19
37	ISCEV extended protocol for VEP methods of estimation of visual acuity. <i>Documenta Ophthalmologica</i> , 2021 , 142, 17-24	2.2	17
36	Neural and vascular responses to fused binocular stimuli: a VEP and fNIRS study 2012 , 53, 5881-9		16
35	Event-related potentials (ERPs) to schematic faces in adults and children. <i>International Journal of Psychophysiology</i> , 2003 , 51, 59-67	2.9	16
34	Zebrafish model for the genetic basis of X-linked retinitis pigmentosa. <i>Zebrafish</i> , 2013 , 10, 62-9	2	15
33	Factors Affecting Mydriasis-Free Flicker ERGs Recorded With Real-Time Correction for Retinal Illuminance: Study of 150 Young Healthy Subjects 2017 , 58, 5280-5286		13
32	Essentials of photometry for clinical electrophysiology of vision. <i>Documenta Ophthalmologica</i> , 2010 , 121, 77-84	2.2	13
31	ISCEV Standard for full-field clinical electroretinography (2022 update).. <i>Documenta Ophthalmologica</i> , 2022 , 1	2.2	13
30	Light- and dark-adapted electroretinograms (ERGs) and ocular pigmentation: comparison of brown- and blue-eyed cohorts. <i>Documenta Ophthalmologica</i> , 2010 , 121, 135-46	2.2	12
29	Older Adults Exhibit Greater Visual Cortex Inhibition and Reduced Visual Cortex Plasticity Compared to Younger Adults. <i>Frontiers in Neuroscience</i> , 2019 , 13, 607	5.1	11

28	Effect of sleep state on the flash visual evoked potential. A case study. <i>Documenta Ophthalmologica</i> , 1999 , 98, 247-56	2.2	11
27	Light-adapted electroretinograms in optic nerve hypoplasia. <i>Documenta Ophthalmologica</i> , 2009 , 119, 123-32	2.2	10
26	Visual latency in the spontaneous Pulfrich effect 2002 , 240, 644-9		10
25	The 'mirror test' for estimating visual acuity in infants. <i>British Journal of Ophthalmology</i> , 2010 , 94, 882-5	5.5	9
24	Asymmetrical growth of the photopic hill during the light adaptation effect. <i>Documenta Ophthalmologica</i> , 2010 , 121, 177-87	2.2	8
23	Spatial summation of peripheral Gabor patches. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001 , 18, 273-82	1.8	8
22	Unilateral Congenital Ptosis. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 1993 , 9, 196-200	1.4	7
21	'Who is a visually impaired child? A model is needed to address this question for children with cerebral visual impairment'. <i>Developmental Medicine and Child Neurology</i> , 1999 , 41, 212-3	3.3	7
20	Cortical blindness in children: utility of flash VEPs. <i>Pediatric Neurology</i> , 1992 , 8, 156	2.9	6
19	Isoflurane and ketamine:xylazine differentially affect intraocular pressure-associated scotopic threshold responses in Sprague-Dawley rats. <i>Documenta Ophthalmologica</i> , 2017 , 135, 121-132	2.2	5
18	Haemodynamic Responses to Radial Motion in the Visual Cortex. <i>Journal of Near Infrared Spectroscopy</i> , 2013 , 21, 231-236	1.5	5
17	Pulfrich's phenomenon in optic nerve hypoplasia. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2008 , 246, 429-34	3.8	5
16	Comparison of human expert and computer-automated systems using magnitude-squared coherence (MSC) and bootstrap distribution statistics for the interpretation of pattern electroretinograms (PERGs) in infants with optic nerve hypoplasia (ONH). <i>Documenta Ophthalmologica</i> , 2015 , 131, 25-34	2.2	4
15	The effect of motion on pattern-onset visual evoked potentials in adults and children. <i>Documenta Ophthalmologica</i> , 1995 , 91, 371-80	2.2	4
14	Idiopathic, isolated fovea plana with bilateral off-centre multifocal ERGs. <i>Documenta Ophthalmologica</i> , 2013 , 126, 171-6	2.2	3
13	Predictive value of N95 waveforms of pattern electroretinograms (PERGs) in children with optic nerve hypoplasia (ONH). <i>Documenta Ophthalmologica</i> , 2017 , 135, 97-106	2.2	2
12	The infant patient. <i>Ophthalmic and Physiological Optics</i> , 1998 , 18, 140-146	4.1	2
11	Pseudoretinitis pigmentosa. <i>Optometry and Vision Science</i> , 1984 , 61, 56-60	2.1	2

10	Pathogenesis of X-linked RP3: insights from animal models. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 477-85	3.6	2
9	Monocular and binocular steady-state flicker VEPs: frequency-response functions to sinusoidal and square-wave luminance modulation. <i>Documenta Ophthalmologica</i> , 2011 , 122, 63-70	2.2	1
8	Effects of recording sequence on flicker electroretinographics recorded with natural pupils corrected for pupil area. <i>Acta Ophthalmologica</i> , 2021 , 99, 411-417	3.7	0
7	Repeated measurements of ERGs and VEPs using chloral hydrate sedation and propofol anesthesia in young children. <i>Documenta Ophthalmologica</i> , 2021 , 143, 141-153	2.2	0
6	Introduction to the special issue: vision after premature birth. <i>Documenta Ophthalmologica</i> , 2013 , 127, 1-2	2.2	
5	The Stiles-Crawford effect of the first kind and the full-field electroretinogram (ERG). <i>Journal of Modern Optics</i> , 2009 , 56, 2176-2180	1.1	
4	Who is a visually impaired child? A model is needed to address this question for children with cerebral visual impairment. <i>Developmental Medicine and Child Neurology</i> , 2007 , 41, 212a-213	3.3	
3	The flash VEP in term and preterm infants: effect of flash intensity and sleep state. <i>Ophthalmic and Physiological Optics</i> , 1996 , 16, 252-252	4.1	
2	Visual field constriction with relatively preserved central vision: an unusual case of early-onset retinal dystrophy. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2011 , 48 Online, e52-4	0.9	
1	Modulation of binocular rivalry with rapid monocular visual stimulation. <i>European Journal of Neuroscience</i> , 2021 , 53, 1008-1018	3.5	