Ruth Hamilton

List of Publications by Year
in descending order

54 papers	2,683 citations	394286 19 h-index	214721 47 g-index
55 all docs	55 docs citations	55 times ranked	3059 citing authors

#	Article	IF	Citations
1	ISCEV Standard for full-field clinical electroretinography (2015 update). Documenta Ophthalmologica, 2015, 130, 1-12.	1.0	1,103
2	Observer variation in the sonographic measurement of optic nerve sheath diameter in normal adults. European Journal of Ultrasound: Official Journal of the European Federation of Societies for Ultrasound in Medicine and Biology, 2002, 15, 145-149.	1.4	202
3	ISCEV Standard for full-field clinical electroretinography (2022 update). Documenta Ophthalmologica, 2022, 144, 165-177.	1.0	179
4	Transorbital optic nerve sheath ultrasonography in normal children. Clinical Radiology, 1999, 54, 740-742.	0.5	138
5	Scotopic Electroretinogram in Term Infants Born of Mothers Supplemented with Docosahexaenoic Acid during Pregnancy. , 2003, 44, 3685.		82
6	Ophthalmic, clinical and visual electrophysiological findings in children born to mothers prescribed substitute methadone in pregnancy. British Journal of Ophthalmology, 2010, 94, 696-700.	2.1	71
7	Childhood neurodevelopment after prescription of maintenance methadone for opioid dependency in pregnancy: a systematic review and metaâ€analysis. Developmental Medicine and Child Neurology, 2019, 61, 750-760.	1.1	65
8	Visual outcome in infants born to drug-misusing mothers prescribed methadone in pregnancy. British Journal of Ophthalmology, 2014, 98, 238-245.	2.1	61
9	VEP estimation of visual acuity: a systematic review. Documenta Ophthalmologica, 2021, 142, 25-74.	1.0	57
10	Vitamin A Supplementation Improves Retinal Function in Infants at Risk of Retinopathy of Prematurity. Journal of Pediatrics, 2012, 160, 954-959.e1.	0.9	52
11	The luminanceâ€“response function of the human photopic electroretinogram: A mathematical model. Vision Research, 2007, 47, 2968-2972.	0.7	45
12	Neonatal Visual Evoked Potentials in Infants Born to Mothers Prescribed Methadone. Pediatrics, 2013, 131, e857-e863.	1.0	44
13	Cerebral visual dysfunction in prematurely born children attending mainstream school. Documenta Ophthalmologica, 2013, 127, 89-102.	1.0	41
14	ISCEV extended protocol for the dark-adapted red flash ERG. Documenta Ophthalmologica, 2018, 136, 191-197.	1.0	36
15	ISCEV extended protocol for the stimulusâ€“response series for light-adapted full-field ERG. Documenta Ophthalmologica, 2019, 138, 205-215.	1.0	34
16	Visual evoked potentials in infants exposed to methadone in utero. Archives of Disease in Childhood, 2008, 93, 784-786.	1.0	33
17	ISCEV extended protocol for VEP methods of estimation of visual acuity. Documenta Ophthalmologica, 2021, 142, 17-24.	1.0	33
18	Real-Time Rapid Acuity Assessment Using VEPs: Development and Validation of the Step VEP Technique. , 2008, 49, 438.		32

#	Article	IF	Citations
19	Maturation of Rod Function in Preterm Infants with and without Retinopathy of Prematurity. Journal of Pediatrics, 2008, 153, 605-611.	0.9	23
20	Ocular Biometry in Preterm Infants: Implications for Estimation of Retinal Illuminance. , 2008, 49, 453.		20
21	Negative ERGs in mucopolysaccharidoses (MPS) Hurlerâ€“Scheie (I-H/S) and Hurler (I-H)-syndromes. Documenta Ophthalmologica, 2007, 114, 153-158.	1.0	19
22	Blindsight in children: does it exist and can it be used to help the child? Observations on a case series. Developmental Medicine and Child Neurology, 2005, 47, 699.	1.1	19
23	Light- and dark-adapted electroretinograms (ERGs) and ocular pigmentation: comparison of brown- and blue-eyed cohorts. Documenta Ophthalmologica, 2010, 121, 135-146.	1.0	18
24	Photometric Compliance of Tablet Screens and Retro-Illuminated Acuity Charts As Visual Acuity Measurement Devices. PLoS ONE, 2016, 11, e0150676.	1.1	18
25	Effect of shorter dark adaptation on ISCEV standard DA 0.01 and DA 3 skin ERGs in healthy adults. Documenta Ophthalmologica, 2016, 133, 11-19.	1.0	17
26	Prenatal opioid exposure â€“ Increasing evidence of harm. Early Human Development, 2020, 150, 105188.	0.8	16
27	Faster and more sensitive VEP recording in children. Documenta Ophthalmologica, 2003, 107, 251-259.	1.0	15
28	Essentials of photometry for clinical electrophysiology of vision. Documenta Ophthalmologica, 2010, 121, 77-84.	1.0	13
29	Sensitivity and specificity of the step VEP in suspected functional visual acuity loss. Documenta Ophthalmologica, 2013, 126, 99-104.	1.0	13
30	Multi-centre variability of ISCEV standard ERGs in two normal adults. Documenta Ophthalmologica, 2015, 130, 83-101.	1.0	13
31	Contact lens electroretinography in preterm infants from 32 weeks after conception: a development in current methodology. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2000, 82, 233F-236.	1.4	12
32	Rapid detection of threshold VEPs. Clinical Neurophysiology, 2003, 114, 1009-1020.	0.7	12
33	Testing Pediatric Acuity With an iPad: Validation of â€œPeekaboo Visionâ€•in Malawi and the UK. Translational Vision Science and Technology, 2019, 8, 8.	1.1	12
34	Asymmetrical growth of the photopic hill during the light adaptation effect. Documenta Ophthalmologica, 2010, 121, 177-187.	1.0	10
35	Teleophthalmology techniques increase ophthalmic examination distance. Eye, 2021, 35, 1780-1781.	1.1	10
36	Development of the electroretinogram between 30 and 50 weeks after conception. Early Human Development, 2005, 81, 461-464.	0.8	9

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37	Reference ranges for clinical electrophysiology of vision. Documenta Ophthalmologica, 2021, 143, 155-170.	1.0	8
38	Lesson of the week: Fear of the dark in children: is stationary night blindness the cause?. BMJ: British Medical Journal, 2003, 326, 211-212.	2.4	6
39	Inadequacy of IV vitamin A supplementation of extremely preterm infants?. Journal of Pediatrics, 2005, 146, 846-847.	0.9	6
40	Dark-adapted oscillatory potentials in preterm infants with and without retinopathy of prematurity. Documenta Ophthalmologica, 2013, 127, 33-40.	1.0	6
41	Live teleophthalmology avoids escalation of referrals to secondary care during COVID-19 lockdown. Australasian journal of optometry, The, 2021, 104, 711-716.	0.6	6
42	Clinical electrophysiology of visionâ€"commentary on current status and future prospects. Eye, 2021, 35, 2341-2343.	1.1	6
43	G429(P) A 13 year old with fussy-eating induced blindness. Archives of Disease in Childhood, 2014, 99, A179-A180.	1.0	4
44	Dark-adapted red flash ERGs in healthy adults. Documenta Ophthalmologica, 2018, 137, 1-8.	1.0	3
45	Time to standardise neonatal pulse oximetry. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 224-225.	1.4	3
46	The circular T-squared statistic and SNR measurement are complementary for fast objective detection of steady-state visual evoked potentials (VEPs). , 2002, , .		2
47	Visual electrophysiological findings in CHARGE syndrome with bilateral colobomas: a case report. Documenta Ophthalmologica, 2010, 121, 63-67.	1.0	1
48	Monocular and binocular steady-state flicker VEPs: frequencyâ€"response functions to sinusoidal and square-wave luminance modulation. Documenta Ophthalmologica, 2011, 122, 63-70.	1.0	1
49	Variability of flashes and background luminances of clinical electroretinography stimuli across 14 UK centres. Journal of Modern Optics, 2013, 60, 1209-1216.	0.6	1
50	Insufficient evidence to support the clinical diagnosis of an epileptic seizure. Documenta Ophthalmologica, 2021, 142, 399-400.	1.0	1
51	Mathematical analysis of the cone ERG photopic hill: Clinical applications. Acta Ophthalmologica, 0, 85, 0-0.	0.4	1
52	Abnormal visual evoked potentials in newborn infants of drug-misusing mothers: is prescription of substitute methadone to blame?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2011, 96, Fa45-Fa46.	1.4	0
53	Neonatal abstinence syndrome can be a problem. BMJ, The, 2012, 344, e4200-e4200.	3.0	0
54	Too Many Shades of Grey: Photometrically and Spectrally Mismatched Targets and Backgrounds in Printed Acuity Tests for Infants and Young Children. Translational Vision Science and Technology, 2020, 9, 12.	1.1	0