

# H H Chan

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

916  
citations

516561

16  
h-index

552653

26  
g-index

53  
all docs

53  
docs citations

53  
times ranked

785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinal stretching limits peripheral visual acuity in myopia. <i>Vision Research</i> , 2005, 45, 593-605.	0.7	96
2	Glaucoma Detection Is Facilitated by Luminance Modulation of the Global Flash Multifocal Electroretinogram. , 2006, 47, 929.		46
3	Pilot study of the multifocal electroretinogram in ocular hypertension. <i>British Journal of Ophthalmology</i> , 2000, 84, 1147-1153.	2.1	42
4	Effect of Lycium Barbarum (Wolfberry) Polysaccharides on Preserving Retinal Function after Partial Optic Nerve Transection. <i>PLoS ONE</i> , 2013, 8, e81339.	1.1	42
5	Sign-dependent changes in retinal electrical activity with positive and negative defocus in the human eye. <i>Vision Research</i> , 2012, 52, 47-53.	0.7	36
6	Porcine global flash multifocal electroretinogram: Possible mechanisms for the glaucomatous changes in contrast response function. <i>Vision Research</i> , 2008, 48, 1726-1734.	0.7	35
7	Delay of cone degeneration in retinitis pigmentosa using a 12-month treatment with Lycium barbarum supplement. <i>Journal of Ethnopharmacology</i> , 2019, 236, 336-344.	2.0	35
8	Childhood exposure to constricted living space: a possible environmental threat for myopia development. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 568-575.	1.0	34
9	Changes of retinal functions following the induction of ocular hypertension in rats using argon laser photocoagulation. <i>Clinical and Experimental Ophthalmology</i> , 2006, 34, 575-583.	1.3	31
10	Prevalence of visual impairment and refractive errors among different ethnic groups in schoolchildren in <i>T</i> urban, <i>C</i> hina. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 263-270.	1.0	30
11	Pharmacologically defined components of the normal porcine multifocal ERG. <i>Documenta Ophthalmologica</i> , 2008, 116, 165-176.	1.0	27
12	Global flash multifocal electroretinogram: early detection of local functional changes and its correlations with optical coherence tomography and visual field tests in diabetic eyes. <i>Documenta Ophthalmologica</i> , 2012, 125, 123-135.	1.0	26
13	A novel missense mutation in the <i>NYX</i> gene associated with high myopia. <i>Ophthalmic and Physiological Optics</i> , 2013, 33, 346-353.	1.0	25
14	Electroacupuncture Provides a New Approach to Neuroprotection in Rats with Induced Glaucoma. <i>Journal of Alternative and Complementary Medicine</i> , 2005, 11, 315-322.	2.1	24
15	Luminance-Modulated Adaptation of Global Flash mfERG: Fellow Eye Losses in Asymmetric Glaucoma. , 2007, 48, 2626.		23
16	Multifocal Electroretinogram in Rhodopsin P347L Transgenic Pigs. , 2008, 49, 2208.		23
17	Applications of the multifocal electroretinogram in the detection of glaucoma. <i>Australasian journal of optometry</i> , The, 2011, 94, 247-258.	0.6	23
18	Posttreatment Intervention With <i>Lycium Barbarum</i> Polysaccharides is Neuroprotective in a Rat Model of Chronic Ocular Hypertension. , 2019, 60, 4606.		22

#	ARTICLE	IF	CITATIONS
19	Effects of unsteady fixation on multifocal electroretinogram (mfERG). Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1273-1282.	1.0	20
20	Human Electretinal Responses to Grating Patterns and Defocus Changes by Global Flash Multifocal Electroretinogram. PLoS ONE, 2015, 10, e0123480.	1.1	20
21	Autophagy Upregulation by the TFEB Inducer Trehalose Protects against Oxidative Damage and Cell Death Associated with NRF2 Inhibition in Human RPE Cells. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-18.	1.9	17
22	Detection of glaucomatous damage using multifocal ERG. Australasian journal of optometry, The, 2005, 88, 410-414.	0.6	16
23	Lycium Barbarum Polysaccharides Rescue Neurodegeneration in an Acute Ocular Hypertension Rat Model Under Pre- and Posttreatment Conditions. , 2019, 60, 2023.		16
24	Evaluation of an Optical Defocus Treatment for Myopia Progression Among Schoolchildren During the COVID-19 Pandemic. JAMA Network Open, 2022, 5, e2143781.	2.8	16
25	Morning glory syndrome. Australasian journal of optometry, The, 2002, 85, 383-388.	0.6	15
26	Myopia Progression in Children Is Linked with Reduced Foveal mfERG Response. , 2012, 53, 5320.		15
27	The diversified defocus profile of the near-work environment and myopia development. Ophthalmic and Physiological Optics, 2020, 40, 463-471.	1.0	15
28	Impairment of retinal adaptive circuitry in the myopic eye. Vision Research, 2011, 51, 367-375.	0.7	14
29	Myopic Children Have Central Reduction in High Contrast Multifocal ERG Response, While Adults Have Paracentral Reduction in Low Contrast Response. , 2012, 53, 3695.		14
30	Early local functional changes in the human diabetic retina: a global flash multifocal electroretinogram study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1745-1754.	1.0	13
31	Detection of early functional changes in diabetic retina using slow double-stimulation mfERG paradigm. British Journal of Ophthalmology, 2011, 95, 1560-1563.	2.1	11
32	Subclinical Decrease in Central Inner Retinal Activity Is Associated With Myopia Development in Children. , 2017, 58, 4399.		10
33	Targeting Lysosomes to Reverse Hydroquinone-Induced Autophagy Defects and Oxidative Damage in Human Retinal Pigment Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 9042.	1.8	9
34	Longitudinal outcomes of circumlimbal suture model-induced chronic ocular hypertension in Sprague-Dawley albino rats. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 2715-2728.	1.0	8
35	The effect of spatially-related environmental risk factors in visual scenes on myopia. Australasian journal of optometry, The, 2022, 105, 353-361.	0.6	8
36	Luminance-modulated adaptation in the global flash mfERG: a preliminary study of early retinal functional changes in high-risk glaucoma patients. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 261-270.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Data on assessment of safety and tear proteome change in response to orthokeratology lens – Insight from integrating clinical data and next generation proteomics. <i>Data in Brief</i> , 2020, 29, 105186.	0.5	6
38	CASE REPORT: Clinical application of mfERG/VEP in assessing superior altitudinal hemifield loss. <i>Australasian journal of optometry, The</i> , 2005, 88, 253-257.	0.6	5
39	The characteristics of multifocal electroretinogram in isolated perfused porcine eye. <i>Documenta Ophthalmologica</i> , 2008, 117, 205-214.	1.0	5
40	Effects of luminance combinations on the characteristics of the global flash multifocal electroretinogram (mfERG). <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 1117-1125.	1.0	5
41	The effect of simultaneous dual-focus integration on the global flash multifocal electroretinogram in the human eye. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 171-178.	1.0	5
42	Retinal function and morphology of severe non-proliferative diabetic retinopathy before and after retinal photocoagulation. <i>Australasian journal of optometry, The</i> , 2011, 94, 284-290.	0.6	4
43	Effect of inner retinal dysfunction on slow double-stimulation multifocal electroretinogram. <i>British Journal of Ophthalmology</i> , 2011, 95, 1597-1602.	2.1	4
44	The Multifocal On- and Off-Responses in the Human Diabetic Retina. <i>PLoS ONE</i> , 2016, 11, e0155071.	1.1	4
45	Forward and backward adaptive effects in global flash multifocal electroretinogram stimulation. <i>Australasian journal of optometry, The</i> , 2011, 94, 259-267.	0.6	3
46	Subjective and objective evaluation of visual functions in dyslexic children with visual perceptual deficiency – Before and after ten-weeks of perceptual training. <i>Research in Developmental Disabilities</i> , 2018, 80, 112-130.	1.2	3
47	Integrating Clinical Data and Tear Proteomics to Assess Efficacy, Ocular Surface Status, and Biomarker Response After Orthokeratology Lens Wear. <i>Translational Vision Science and Technology</i> , 2021, 10, 18.	1.1	3
48	Temporal interactive response is resistant to cloudy ocular media in the slow double-stimulation multifocal electroretinogram. <i>British Journal of Ophthalmology</i> , 2012, 96, 1012-1017.	2.1	2
49	Secondary Degeneration After Partial Optic Nerve Injury and Possible Neuroprotective Effects of Lycium Barbarum (Wolfberry). , 2015, , 135-151.		2
50	Is the peripheral retina an important site for myopic development? [Liu Y, Wildsoet C (2011) The effect of two-zone concentric bifocal spectacle lenses on refractive error development and eye growth in young chicks. <i>Invest Ophthalmol Vis Sci</i> 52(2):1078-1086]. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 955-956.	1.0	1
51	Extrinsic and Intrinsic Factors Regulating Juvenile Refractive Development and Eye Growth. , 2021, 62, 21.		1
52	Utilizing Advanced Technology to Facilitate Diagnosis of Rare Retinal Disorders. <i>Optometry and Vision Science</i> , 2021, Publish Ahead of Print, 1031-1038.	0.6	0
53	Selective blue-filtering spectacle lens protected primary porcine RPE cells against light emitting diode-induced cell damage. <i>PLoS ONE</i> , 2022, 17, e0268796.	1.1	0