

H H Chan

List of Publications by Year in descending order

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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	The effect of spatially-related environmental risk factors in visual scenes on myopia. <i>Australasian journal of optometry, The</i> , 2022, 105, 353-361.	0.6	8
2	Evaluation of an Optical Defocus Treatment for Myopia Progression Among Schoolchildren During the COVID-19 Pandemic. <i>JAMA Network Open</i> , 2022, 5, e2143781.	2.8	16
3	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
4	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
5	Targeting Lysosomes to Reverse Hydroquinone-Induced Autophagy Defects and Oxidative Damage in Human Retinal Pigment Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9042.	1.8	9
6	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
7	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
8	Extrinsic and Intrinsic Factors Regulating Juvenile Refractive Development and Eye Growth. , 2021, 62, 21.		1
9	Longitudinal outcomes of circumlimbal suture model-induced chronic ocular hypertension in Sprague-Dawley albino rats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 2715-2728.	1.0	8
10	Autophagy Upregulation by the TFEB Inducer Trehalose Protects against Oxidative Damage and Cell Death Associated with NRF2 Inhibition in Human RPE Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	1.9	17
11	The diversified defocus profile of the near-work environment and myopia development. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 463-471.	1.0	15
12	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
13	<i>Lycium Barbarum Polysaccharides Rescue Neurodegeneration in an Acute Ocular Hypertension Rat Model Under Pre- and Posttreatment Conditions. , 2019, 60, 2023.</i>		16
14	Delay of cone degeneration in retinitis pigmentosa using a 12-month treatment with <i>Lycium barbarum</i> supplement. <i>Journal of Ethnopharmacology</i> , 2019, 236, 336-344.	2.0	35
15	Posttreatment Intervention With <i>Lycium Barbarum</i> Polysaccharides is Neuroprotective in a Rat Model of Chronic Ocular Hypertension. , 2019, 60, 4606.		22
16	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
17	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
18	Subclinical Decrease in Central Inner Retinal Activity Is Associated With Myopia Development in Children. , 2017, 58, 4399.		10

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19	The Multifocal On- and Off-Responses in the Human Diabetic Retina. PLoS ONE, 2016, 11, e0155071.	1.1	4
20	Human Electroretinal Responses to Grating Patterns and Defocus Changes by Global Flash Multifocal Electroretinogram. PLoS ONE, 2015, 10, e0123480.	1.1	20
21	Prevalence of visual impairment and refractive errors among different ethnic groups in schoolchildren in urban, China. Ophthalmic and Physiological Optics, 2015, 35, 263-270.	1.0	30
22	Secondary Degeneration After Partial Optic Nerve Injury and Possible Neuroprotective Effects of Lycium Barbarum (Wolfberry)., 2015,, 135-151.		2
23	A novel missense mutation in the <i>NYX</i> gene associated with high myopia. Ophthalmic and Physiological Optics, 2013, 33, 346-353.	1.0	25
24	Effect of Lycium Barbarum (Wolfberry) Polysaccharides on Preserving Retinal Function after Partial Optic Nerve Transection. PLoS ONE, 2013, 8, e81339.	1.1	42
25	Temporal interactive response is resistant to cloudy ocular media in the slow double-stimulation multifocal electroretinogram. British Journal of Ophthalmology, 2012, 96, 1012-1017.	2.1	2
26	Global flash multifocal electroretinogram: early detection of local functional changes and its correlations with optical coherence tomography and visual field tests in diabetic eyes. Documenta Ophthalmologica, 2012, 125, 123-135.	1.0	26
27	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
28	Myopia Progression in Children Is Linked with Reduced Foveal mfERG Response. , 2012, 53, 5320.		15
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	Sign-dependent changes in retinal electrical activity with positive and negative defocus in the human eye. Vision Research, 2012, 52, 47-53.	0.7	36
31	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
32	Applications of the multifocal electroretinogram in the detection of glaucoma. Australasian journal of optometry, The, 2011, 94, 247-258.	0.6	23
33	Forward and backward adaptive effects in global flash multifocal electroretinogram stimulation. Australasian journal of optometry, The, 2011, 94, 259-267.	0.6	3
34	Retinal function and morphology of severe non-proliferative diabetic retinopathy before and after retinal photocoagulation. Australasian journal of optometry, The, 2011, 94, 284-290.	0.6	4
35	Impairment of retinal adaptive circuitry in the myopic eye. Vision Research, 2011, 51, 367-375.	0.7	14
36	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. Invest Ophthalmol Vis Sci 52(2):1078-1086]. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 955-956.	1.0	1

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37	Effect of inner retinal dysfunction on slow double-stimulation multifocal electroretinogram. British Journal of Ophthalmology, 2011, 95, 1597-1602.	2.1	4
38	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
39	Effects of luminance combinations on the characteristics of the global flash multifocal electroretinogram (mfERG). Graefe's Archive for Clinical and Experimental Ophthalmology, 2010, 248, 1117-1125.	1.0	5
40	Pharmacologically defined components of the normal porcine multifocal ERG. Documenta Ophthalmologica, 2008, 116, 165-176.	1.0	27
41	The characteristics of multifocal electroretinogram in isolated perfused porcine eye. Documenta Ophthalmologica, 2008, 117, 205-214.	1.0	5
42	Porcine global flash multifocal electroretinogram: Possible mechanisms for the glaucomatous changes in contrast response function. Vision Research, 2008, 48, 1726-1734.	0.7	35
43	Multifocal Electroretinogram in Rhodopsin P347L Transgenic Pigs. , 2008, 49, 2208.		23
44	Luminance-Modulated Adaptation of Global Flash mfERG: Fellow Eye Losses in Asymmetric Glaucoma. , 2007, 48, 2626.		23
45	Glaucoma Detection Is Facilitated by Luminance Modulation of the Global Flash Multifocal Electroretinogram. , 2006, 47, 929.		46
46	Effects of unsteady fixation on multifocal electroretinogram (mfERG). Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 1273-1282.	1.0	20
47	Changes of retinal functions following the induction of ocular hypertension in rats using argon laser photocoagulation. Clinical and Experimental Ophthalmology, 2006, 34, 575-583.	1.3	31
48	Detection of glaucomatous damage using multifocal ERG. Australasian journal of optometry, The, 2005, 88, 410-414.	0.6	16
49	CASE REPORT: Clinical application of mfERG/VEP in assessing superior altitudinal hemifield loss. Australasian journal of optometry, The, 2005, 88, 253-257.	0.6	5
50	Electroacupuncture Provides a New Approach to Neuroprotection in Rats with Induced Glaucoma. Journal of Alternative and Complementary Medicine, 2005, 11, 315-322.	2.1	24
51	Retinal stretching limits peripheral visual acuity in myopia. Vision Research, 2005, 45, 593-605.	0.7	96
52	Morning glory syndrome. Australasian journal of optometry, The, 2002, 85, 383-388.	0.6	15
53	Pilot study of the multifocal electroretinogram in ocular hypertension. British Journal of Ophthalmology, 2000, 84, 1147-1153.	2.1	42