

# Chi Wai Do

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

902  
citations

471371  
17  
h-index

526166  
27  
g-index

49  
all docs

49  
docs citations

49  
times ranked

888  
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanism of aqueous humour formation. <i>Australasian journal of optometry, The</i> , 2002, 85, 335-349.	0.6	107
2	Basis of Chloride Transport in Ciliary Epithelium. <i>Journal of Membrane Biology</i> , 2004, 200, 1-13.	1.0	70
3	Potential Therapeutic Effects of Baicalein, Baicalin, and Wogonin in Ocular Disorders. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 605-614.	0.6	60
4	Baicalein, Baicalin, and Wogonin: Protective Effects against Ischemia-Induced Neurodegeneration in the Brain and Retina. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	1.9	44
5	Model of ionic transport for bovine ciliary epithelium: effects of acetazolamide and HCO <sub>3</sub> <sup>-</sup> . <i>American Journal of Physiology - Cell Physiology</i> , 2001, 280, C1521-C1530.	2.1	42
6	cAMP-activated maxi-Cl <sup>-</sup> channels in native bovine pigmented ciliary epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1003-C1011.	2.1	40
7	Inhibition of Swelling-Activated Cl <sup>-</sup> Currents by Functional Anti-ClC-3 Antibody in Native Bovine Non-Pigmented Ciliary Epithelial Cells. , 2005, 46, 948.		35
8	In Vivo Assessment of Aqueous Humor Dynamics Upon Chronic Ocular Hypertension and Hypotensive Drug Treatment Using Gadolinium-Enhanced MRI. , 2014, 55, 3747.		35
9	Nucleoside-derived antagonists to A3 adenosine receptors lower mouse intraocular pressure and act across species. <i>Experimental Eye Research</i> , 2010, 90, 146-154.	1.2	34
10	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
11	Prevalence of visual impairment and refractive errors among different ethnic groups in schoolchildren in urban, China. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 263-270.	1.0	30
12	Swelling-Activated Cl <sup>-</sup> Channels Support Cl <sup>-</sup> Secretion by Bovine Ciliary Epithelium. , 2006, 47, 2576.		27
13	Species variation in biology and physiology of the ciliary epithelium: Similarities and differences. <i>Experimental Eye Research</i> , 2009, 88, 631-640.	1.2	23
14	cAMP Inhibits Transepithelial Chloride Secretion across Bovine Ciliary Body/Epithelium. , 2004, 45, 3638.		22
15	Characterisation of Cl <sup>-</sup> transporter and channels in experimentally induced myopic chick eyes. <i>Australasian journal of optometry, The</i> , 2011, 94, 528-535.	0.6	22
16	Methods to Induce Chronic Ocular Hypertension. <i>Cell Transplantation</i> , 2018, 27, 213-229.	1.2	22
17	Psychometric Properties and Demographic Correlates of the Smartphone Addiction Scale-Short Version Among Chinese Children and Adolescents in Hong Kong. <i>Cyberpsychology, Behavior, and Social Networking</i> , 2019, 22, 714-723.	2.1	22
18	Chloride and sodium transport across bovine ciliary body/epithelium (CBE). <i>Current Eye Research</i> , 1998, 17, 896-902.	0.7	21

#	ARTICLE	IF	CITATIONS
19	Swelling-activated chloride channels in aqueous humour formation: on the one side and the other. <i>Acta Physiologica</i> , 2006, 187, 345-352.	1.8	21
20	Noninvasive Intraocular Pressure Measurements in Mice by Pneumotonometry. , 2005, 46, 3274.		20
21	New Insight of Common Regulatory Pathways in Human Trabecular Meshwork Cells in Response to Dexamethasone and Prednisolone Using an Integrated Quantitative Proteomics: SWATH and MRM-HR Mass Spectrometry. <i>Journal of Proteome Research</i> , 2017, 16, 3753-3765.	1.8	19
22	Glutamate-induced retinal lipid and protein damage: The protective effects of catechin. <i>Neuroscience Letters</i> , 2008, 432, 193-197.	1.0	17
23	Regulation of gap junction coupling in bovine ciliary epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C798-C806.	2.1	15
24	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
25	Cyclic Adenosine Monophosphate Activates Retinal Apolipoprotein A1 Expression and Inhibits Myopic Eye Growth. , 2015, 56, 8151.		13
26	Barrier qualities of the mouse eye to topically applied drugs. <i>Experimental Eye Research</i> , 2007, 85, 105-112.	1.2	11
27	Electron probe X-ray microanalysis of intact pathway for human aqueous humor outflow. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1083-C1091.	2.1	10
28	Thrombospondin-1 mediates Rho-kinase inhibitor-induced increase in outflow facility. <i>Journal of Cellular Physiology</i> , 2021, 236, 8226-8238.	2.0	9
29	cAMP Stimulates Transepithelial Short-Circuit Current and Fluid Transport Across Porcine Ciliary Epithelium. , 2016, 57, 6784.		8
30	Baicalein is a Potent Pro-Homeostatic Regulator of Microglia in Retinal Ischemic Injury. <i>Frontiers in Immunology</i> , 2022, 13, 837497.	2.2	8
31	Characterization and Regulation of Gap Junctions in Porcine Ciliary Epithelium. , 2018, 59, 3461.		6
32	Quantitative profiling of regional protein expression in rat retina after partial optic nerve transection using fluorescence difference two-dimensional gel electrophoresis. <i>Molecular Medicine Reports</i> , 2019, 20, 2734-2742.	1.1	6
33	Glutathione attenuates nitric oxide-induced retinal lipid and protein changes. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 135-146.	1.0	5
34	Could a cycloplegic agent be replaced by a fogging or a corrective lens in the biometric measurement of the crystalline lens?. <i>Ophthalmic and Physiological Optics</i> , 1998, 18, 521-526.	1.0	4
35	Democratizing Optometric Care: A Vision-Based, Data-Driven Approach to Automatic Refractive Error Measurement for Vision Screening. , 2015, , .		4
36	Association between Time Spent on Smart Devices and Change in Refractive Error: A 1-Year Prospective Observational Study among Hong Kong Children and Adolescents. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8923.	1.2	4

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37	Mechanistic links between systemic hypertension and open angle glaucoma. Australasian journal of optometry, The, 2022, 105, 362-371.	0.6	4
38	Functional connexin35 increased in the myopic chicken retina. Visual Neuroscience, 2021, 38, E008.	0.5	3
39	Mechanistic Effects of Baicalein on Aqueous Humor Drainage and Intraocular Pressure. International Journal of Molecular Sciences, 2022, 23, 7372.	1.8	3
40	Bedtime smart device usage and accelerometer-measured sleep outcomes in children and adolescents. Sleep and Breathing, 2021, , 1.	0.9	2
41	AB002. Cone rescue in retinitis pigmentosa by the treatment of Lycium barbarum (Random Clinical) Tj ETQq1 1 0.784314 rgBT /Overl	1.1	2
42	Data on differentially expressed proteins in rock inhibitor-treated human trabecular meshwork cells using SWATH-based proteomics. Data in Brief, 2020, 31, 105846.	0.5	1
43	Exploiting Active Learning in Novel Refractive Error Detection with Smartphones. , 2020, , .		1
44	Aqueous Humor Formation and Its Regulation by Nitric Oxide: A Mini Review. Neuroembryology and Aging, 2006, 4, 8-12.	0.1	0
45	Portable vision screenings system. , 2017, , .		0
46	Mechanisms of Aqueous Humor Formation. , 2008, , 61-86.		0
47	Merging the Professional with the Layperson: Optometric Services for the Community. Quality of Life in Asia, 2019, , 249-266.	0.1	0
48	Screening for refractive error with low-quality smartphone images. , 2020, , .		0