

Chi-ho To

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,406
citations

377584

21
h-index

325983

40
g-index

84
all docs

84
docs citations

84
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
19	Central Role of Oxidative Stress in Age-Related Macular Degeneration: Evidence from a Review of the Molecular Mechanisms and Animal Models. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	105
20	Optical Interventions for Myopia Control. , 2020, , 289-305.		7
21	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
22	Early quantitative profiling of differential retinal protein expression in lens-induced myopia in guinea pig using fluorescence difference two-dimensional gel electrophoresis. <i>Molecular Medicine Reports</i> , 2018, 17, 5571-5580.	1.1	9
23	Integrated SWATH-based and targeted-based proteomics provide insights into the retinal emmetropization process in guinea pig. <i>Journal of Proteomics</i> , 2018, 181, 1-15.	1.2	18
24	Data on differentially expressed proteins in retinal emmetropization process in guinea pig using integrated SWATH-based and targeted-based proteomics. <i>Data in Brief</i> , 2018, 21, 1750-1755.	0.5	13
25	Proteomic analysis of chick retina during early recovery from lens-induced myopia. <i>Molecular Medicine Reports</i> , 2018, 18, 59-66.	1.1	12
26	Characterization and Regulation of Gap Junctions in Porcine Ciliary Epithelium. , 2018, 59, 3461.		6
27	Isotope-coded protein label based quantitative proteomic analysis reveals significant up-regulation of apolipoprotein A1 and ovotransferrin in the myopic chick vitreous. <i>Scientific Reports</i> , 2017, 7, 12649.	1.6	19
28	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
29	The Effect of Spectacle Lenses Containing Peripheral Defocus on Refractive Error and Horizontal Eye Shape in the Guinea Pig. , 2017, 58, 2705.		21
30	cAMP Stimulates Transepithelial Short-Circuit Current and Fluid Transport Across Porcine Ciliary Epithelium. , 2016, 57, 6784.		8
31	The Effects of the Relative Strength of Simultaneous Competing Defocus Signals on Emmetropization in Infant Rhesus Monkeys. , 2016, 57, 3949.		31
32	Optical Defocus Rapidly Changes Choroidal Thickness in Schoolchildren. <i>PLoS ONE</i> , 2016, 11, e0161535.	1.1	82
33	Short term effects of small incision lenticule extraction surgery on corneal endothelium. <i>International Journal of Ophthalmology</i> , 2016, 9, 536-9.	0.5	2
34	Reversible Femtosecond Laser-Assisted Endokeratophakia Using Cryopreserved Allogeneic Corneal Lenticule. <i>Journal of Refractive Surgery</i> , 2016, 32, 569-576.	1.1	14
35	Both the central and peripheral retina contribute to myopia development in chicks. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 652-662.	1.0	15
36	Cyclic Adenosine Monophosphate Activates Retinal Apolipoprotein A1 Expression and Inhibits Myopic Eye Growth. , 2015, 56, 8151.		13

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37	Glutathione attenuates nitric oxide-induced retinal lipid and protein changes. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 135-146.	1.0	5
38	Differences in the Corneal Biomechanical Changes After SMILE and LASIK. <i>Journal of Refractive Surgery</i> , 2014, 30, 702-707.	1.1	99
39	Integration of Defocus by Dual Power Fresnel Lenses Inhibits Myopia in the Mammalian Eye. , 2014, 55, 908.		40
40	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
41	The Effects of Simultaneous Dual Focus Lenses on Refractive Development in Infant Monkeys. , 2014, 55, 7423.		42
42	Defocus Incorporated Soft Contact (DISC) lens slows myopia progression in Hong Kong Chinese schoolchildren: a 2-year randomised clinical trial. <i>British Journal of Ophthalmology</i> , 2014, 98, 40-45.	2.1	261
43	Myopia—Yesterday, Today, and Tomorrow. <i>Optometry and Vision Science</i> , 2013, 90, 1161-1164.	0.6	9
44	Luminance-modulated adaptation in the global flash mfERG: a preliminary study of early retinal functional changes in high-risk glaucoma patients. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 261-270.	1.0	6
45	Graded Competing Regional Myopic and Hyperopic Defocus Produce Summated Emmetropization Set Points in Chick. , 2011, 52, 8056.		42
46	Characterisation of Cl ⁻ transporter and channels in experimentally induced myopic chick eyes. <i>Australasian journal of optometry</i> , The, 2011, 94, 528-535.	0.6	22
47	Clinical device-related article evaluation of morphology and functions of a foldable capsular vitreous body in the rabbit eye. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 97B, 396-404.	1.6	24
48	Selective Breeding for Susceptibility to Myopia Reveals a Gene-Environment Interaction. , 2011, 52, 4003.		66
49	Effect of inner retinal dysfunction on slow double-stimulation multifocal electroretinogram. <i>British Journal of Ophthalmology</i> , 2011, 95, 1597-1602.	2.1	4
50	Heritability of Ocular Component Dimensions in Chickens: Genetic Variants Controlling Susceptibility to Experimentally Induced Myopia and Pretreatment Eye Size Are Distinct. , 2011, 52, 4012.		23
51	Myopia: Why Study the Mechanisms of Myopia? Novel Approaches to Risk Factors Signaling Eye Growth-How Could Basic Biology Be Translated into Clinical Insights? Where Are Genetic and Proteomic Approaches Leading? How Does Visual Function Contribute to and Interact with Ametropia? Does Eye Shape Matter? Why Ametropia at All?. <i>Optometry and Vision Science</i> . 2011, 88, 404-447.	0.6	10
52	Sex, Eye Size, and the Rate of Myopic Eye Growth Due to Form Deprivation in Outbred White Leghorn Chickens. , 2010, 51, 651.		14
53	Inhibitions of Chloride Transport and Gap Junction Reduce Fluid Flow across the Whole Porcine Ciliary Epithelium. , 2009, 50, 1299.		5
54	Novel PRPF31 and PRPH2 Mutations and Co-occurrence of PRPF31 and RHO Mutations in Chinese Patients With Retinitis Pigmentosa. <i>JAMA Ophthalmology</i> , 2009, 127, 784.	2.6	31

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55	Astigmatic shift and conjunctival epithelial ingrowths following late-onset iatrogenic LASIK flap dehiscence during scleral buckling surgery. <i>Australasian journal of optometry, The</i> , 2009, 92, 500-502.	0.6	0
56	Studies on Bicarbonate Transporters and Carbonic Anhydrase in Porcine Nonpigmented Ciliary Epithelium. , 2009, 50, 1791.		29
57	Pharmacologically defined components of the normal porcine multifocal ERG. <i>Documenta Ophthalmologica</i> , 2008, 116, 165-176.	1.0	27
58	The characteristics of multifocal electroretinogram in isolated perfused porcine eye. <i>Documenta Ophthalmologica</i> , 2008, 117, 205-214.	1.0	5
59	Axes of astigmatism in fellow eyes show mirror rather than direct symmetry. <i>Ophthalmic and Physiological Optics</i> , 2008, 28, 327-333.	1.0	23
60	Application of proteomic technology in eye research: a mini review. <i>Australasian journal of optometry, The</i> , 2008, 91, 23-33.	0.6	19
61	Multifocal Electroretinogram in Rhodopsin P347L Transgenic Pigs. , 2008, 49, 2208.		23
62	Mechanisms of Aqueous Humor Formation. , 2008, , 61-86.		0
63	Is active glucose transport present in bovine ciliary body epithelium?. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1087-C1093.	2.1	7
64	Fluid Transport across the Isolated Porcine Ciliary Epithelium. , 2007, 48, 321.		9
65	CHOROIDAL TUBERCULOMA IN PREGNANCY. <i>Retina</i> , 2007, 27, 106-109.	1.0	2
66	Application of Fluorescence Difference Gel Electrophoresis Technology in Searching for Protein Biomarkers in Chick Myopia. <i>Journal of Proteome Research</i> , 2007, 6, 4135-4149.	1.8	29
67	Simultaneous Defocus Integration during Refractive Development. , 2007, 48, 5352.		67
68	A Chick Retinal Proteome Database and Differential Retinal Protein Expressions during Early Ocular Development. <i>Journal of Proteome Research</i> , 2006, 5, 771-784.	1.8	35
69	Aqueous Humor Formation and Its Regulation by Nitric Oxide: A Mini Review. <i>Neuroembryology and Aging</i> , 2006, 4, 8-12.	0.1	0
70	Chloride Secretion by Porcine Ciliary Epithelium: New Insight into Species Similarities and Differences in Aqueous Humor Formation. , 2006, 47, 5428.		18
71	Multifocal electroretinography in isolated arterially perfused bovine eye. <i>Ophthalmic and Physiological Optics</i> , 2005, 25, 27-34.	1.0	10
72	Cyclic GMP, sodium nitroprusside and sodium azide reduce aqueous humour formation in the isolated arterially perfused pig eye. <i>British Journal of Pharmacology</i> , 2005, 145, 84-92.	2.7	38

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73	Anisometropia Is Independently Associated with Both Spherical and Cylindrical Ametropia. , 2005, 46, 4024.		39
74	Spontaneous Fluid Transport across Isolated Rabbit and Bovine Ciliary Body Preparations. , 2005, 46, 939.		13
75	Laser in situ keratomileusis induced corneal perforation and recurrent corneal epithelial ingrowth. Journal of Cataract and Refractive Surgery, 2005, 31, 857-859.	0.7	9
76	cAMP Inhibits Transepithelial Chloride Secretion across Bovine Ciliary Body/Epithelium. , 2004, 45, 3638.		22
77	Effects of Ion Transport and Channel-Blocking Drugs on Aqueous Humor Formation in Isolated Bovine Eye. , 2003, 44, 1185.		42
78	Total Retinal Nitric Oxide Production is Increased in Intraocular Pressure-elevated Rats. Experimental Eye Research, 2002, 75, 401-406.	1.2	42
79	The mechanism of aqueous humour formation. Australasian journal of optometry, The, 2002, 85, 335-49.	0.6	46
80	Model of ionic transport for bovine ciliary epithelium: effects of acetazolamide and HCO_3^- . American Journal of Physiology - Cell Physiology, 2001, 280, C1521-C1530.	2.1	42
81	The efficacy of vitamin E and melatonin as antioxidants against lipid peroxidation in rat retinal homogenates. Journal of Pineal Research, 1998, 24, 239-244.	3.4	75
82	The glucose transport in retinal pigment epithelium is via passive facilitated diffusion. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 121, 441-444.	0.8	14
83	Chloride and sodium transport across bovine ciliary body/epithelium (CBE). Current Eye Research, 1998, 17, 896-902.	0.7	21
84	In vitro Bovine Ciliary Body/Epithelium in a Small Continuously Perfused Ussing Type Chamber.. Cell Structure and Function, 1998, 23, 247-254.	0.5	5