

Katrina L Schmid

List of Publications by Year in descending order

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119
papers

4,009
citations

159585

30
h-index

168389

53
g-index

119
all docs

119
docs citations

119
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Eye Shape in Emmetropia and Myopia. , 2004, 45, 3380.		315
2	Peripheral refraction along the horizontal and vertical visual fields in myopia. Vision Research, 2006, 46, 1450-1458.	1.4	233
3	Shape of the Retinal Surface in Emmetropia and Myopia. , 2005, 46, 2698.		203
4	Effects on the compensatory responses to positive and negative lenses of intermittent lens wear and ciliary nerve section in chicks. Vision Research, 1996, 36, 1023-1036.	1.4	179
5	The streptozotocin-diabetic rat as a model of the chronic complications of human diabetes. Heart Lung and Circulation, 2003, 12, 44-50.	0.4	173
6	Effect of Bifocal and Prismatic Bifocal Spectacles on Myopia Progression in Children. JAMA Ophthalmology, 2014, 132, 258.	2.5	157
7	Differences in the accommodation stimulus response curves of adult myopes and emmetropes. Ophthalmic and Physiological Optics, 1998, 18, 13-20.	2.0	142
8	Inhibitory Effects of Apomorphine and Atropine and Their Combination on Myopia in Chicks. Optometry and Vision Science, 2004, 81, 137-147.	1.2	134
9	Differences in the accommodation stimulus response curves of adult myopes and emmetropes. Ophthalmic and Physiological Optics, 1998, 18, 13-20.	2.0	90
10	Randomized Trial of Effect of Bifocal and Prismatic Bifocal Spectacles on Myopic Progression. JAMA Ophthalmology, 2010, 128, 12.	2.4	87
11	Intense pulsed light treatment and meibomian gland expression for moderate to advanced meibomian gland dysfunction. Australasian journal of optometry, The, 2018, 101, 23-33.	1.3	82
12	Assessment of visual acuity and contrast sensitivity in the chick using an optokinetic nystagmus paradigm. Vision Research, 1998, 38, 2629-2634.	1.4	75
13	The autonomic control of accommodation and implications for human myopia development: a review. Ophthalmic and Physiological Optics, 2003, 23, 401-422.	2.0	75
14	Neural and optical limits to visual performance in myopia. Vision Research, 2006, 46, 3707-3722.	1.4	74
15	Novel, Potent, and Selective GABA _C Antagonists Inhibit Myopia Development and Facilitate Learning and Memory. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 448-457.	2.5	71
16	Contrast and spatial-frequency requirements for emmetropization in chicks. Vision Research, 1997, 37, 2011-2021.	1.4	69
17	Natural and Imposed Astigmatism and their Relation to Emmetropization in the Chick. Experimental Eye Research, 1997, 64, 837-847.	2.6	58
18	Delayed mfERG responses in myopia. Vision Research, 2006, 46, 1221-1229.	1.4	56

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19	Three-dimensional MRI study of the relationship between eye dimensions, retinal shape and myopia. Biomedical Optics Express, 2017, 8, 2386.	2.9	54
20	Identification of Apolipoprotein A-I as a "STOP" Signal for Myopia. Molecular and Cellular Proteomics, 2006, 5, 2158-2166.	3.8	48
21	Peripheral Refraction, Peripheral Eye Length, and Retinal Shape in Myopia. Optometry and Vision Science, 2016, 93, 1072-1078.	1.2	48
22	IMI Accommodation and Binocular Vision in Myopia Development and Progression. , 2021, 62, 4.		46
23	The effect of positive lens addition and base-in prism on accommodation accuracy and near horizontal phoria in Chinese myopic children. Ophthalmic and Physiological Optics, 2008, 28, 225-237.	2.0	45
24	Associations Between Screen Exposure in Early Life and Myopia amongst Chinese Preschoolers. International Journal of Environmental Research and Public Health, 2020, 17, 1056.	2.6	45
25	Myopia Prevalence in Chinese-Canadian Children in an Optometric Practice. Optometry and Vision Science, 2007, 84, 21-32.	1.2	43
26	What Image Properties Regulate Eye Growth?. Current Biology, 2006, 16, 687-691.	3.9	40
27	Sharp vision: a prerequisite for compensation to myopic defocus in the chick?. Current Eye Research, 1998, 17, 322-331.	1.5	38
28	The effect of under and over refractive correction on visual performance and spectacle lens acceptance. Ophthalmic and Physiological Optics, 2001, 21, 255-261.	2.0	38
29	Impact of oral vitamin D supplementation on the ocular surface in people with dry eye and/or low serum vitamin D. Contact Lens and Anterior Eye, 2018, 41, 69-76.	1.7	37
30	The effects and interactions of GABAergic and dopaminergic agents in the prevention of form deprivation myopia by brief periods of normal vision. Experimental Eye Research, 2013, 110, 88-95.	2.6	35
31	The expandability of the eye in childhood myopia. Current Eye Research, 2003, 26, 65-71.	1.5	34
32	Evaluation of inner retinal function in myopia using oscillatory potentials of the multifocal electroretinogram. Vision Research, 2006, 46, 4096-4103.	1.4	34
33	Knowledge of the ocular effects of diabetes among the general population of Australia and the members of Diabetes Australia. Australasian journal of optometry, The, 2003, 86, 91-103.	1.3	33
34	Timolol Lowers Intraocular Pressure but Does Not Inhibit the Development of Experimental Myopia in Chick. Experimental Eye Research, 2000, 70, 659-666.	2.6	32
35	Retinal serotonin, eye growth and myopia development in chick. Experimental Eye Research, 2005, 81, 616-625.	2.6	32
36	Assessment of Daily Light and Ultraviolet Exposure in Young Adults. Optometry and Vision Science, 2013, 90, 148-155.	1.2	31

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37	Blur detection thresholds in childhood myopia: single and dual target presentation. Vision Research, 2002, 42, 239-247.	1.4	30
38	Emmetropization in chicks uses optical vergence and relative distance cues to decode defocus. Vision Research, 2001, 41, 3197-3204.	1.4	29
39	Bifocal lens control of myopic progression in children. Australasian journal of optometry, The, 2011, 94, 24-32.	1.3	28
40	Randomised controlled trial of topical antibacterial Manuka (Leptospermum species) honey for evaporative dry eye due to meibomian gland dysfunction. Australasian journal of optometry, The, 2017, 100, 603-615.	1.3	27
41	IMI "Industry Guidelines and Ethical Considerations for Myopia Control Report. , 2019, 60, M161.		27
42	Relationship between intraocular pressure and eye growth in chick. Ophthalmic and Physiological Optics, 2003, 23, 25-33.	2.0	26
43	Prevalence of Myopia in a Group of Hong Kong Microscopists. Optometry and Vision Science, 2004, 81, 88-93.	1.2	26
44	Near binocular visual function in young adult orthokeratology versus soft contact lens wearers. Contact Lens and Anterior Eye, 2017, 40, 184-189.	1.7	26
45	Suppression Rather Than Visual Acuity Loss Limits Stereoacuity in Amblyopia. , 2020, 61, 50.		26
46	Differences in the accommodation stimulus response curves of adult myopes and emmetropes: a summary and update. Ophthalmic and Physiological Optics, 2015, 35, 613-621.	2.0	25
47	Treatment of contact lens related dry eye with antibacterial honey. Contact Lens and Anterior Eye, 2017, 40, 389-393.	1.7	25
48	Validation of a partial coherence interferometry method for estimating retinal shape. Biomedical Optics Express, 2015, 6, 3235.	2.9	24
49	Differences in retinal shape between East Asian and Caucasian eyes. Ophthalmic and Physiological Optics, 2017, 37, 275-283.	2.0	24
50	Effects of simulated anisometropia and aniseikonia on stereopsis. Ophthalmic and Physiological Optics, 2020, 40, 323-332.	2.0	20
51	Retrospective Analysis of Refractive Errors in Children With Vision Impairment. Optometry and Vision Science, 2005, 82, 807-816.	1.2	19
52	The Effect of Common Reductions in Letter Size and Contrast on Accommodation Responses in Young Adult Myopes and Emmetropes. Optometry and Vision Science, 2005, 82, 602-611.	1.2	19
53	The effect of manipulations to target contrast on emmetropization in chick. Vision Research, 2006, 46, 1099-1107.	1.4	19
54	Retinal adaptation responses revealed by global flash multifocal electroretinogram are dependent on the degree of myopic refractive error. Vision Research, 2006, 46, 3413-3421.	1.4	19

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55	Identification of GABA receptors in chick retinal pigment epithelium. Neuroscience Letters, 2013, 539, 43-47.	2.1	19
56	ρ_1 GABA _C receptors are expressed in fibrous and cartilaginous layers of chick sclera and located on sclera fibroblasts and chondrocytes. Journal of Neurochemistry, 2011, 118, 281-287.	3.9	18
57	Children's Accommodation During Reading of Chinese and English Texts. Optometry and Vision Science, 2013, 90, 156-163.	1.2	18
58	Stability of peripheral refraction changes in orthokeratology for myopia. Contact Lens and Anterior Eye, 2020, 43, 44-53.	1.7	17
59	The sensitivity of the chick eye to refractive defocus. Ophthalmic and Physiological Optics, 1997, 17, 61-67.	2.0	16
60	Ocular allergy: causes and therapeutic options. Australasian journal of optometry, The, 2000, 83, 257-270.	1.3	16
61	The detection of diabetic retinopathy by Australian optometrists. Australasian journal of optometry, The, 2002, 85, 221-228.	1.3	16
62	Myopia: Recent Advances in Molecular Studies; Prevalence, Progression and Risk Factors; Emmetropization; Therapies; Optical Links; Peripheral Refraction; Sclera and Ocular Growth; Signalling Cascades; and Animal Models. Optometry and Vision Science, 2009, 86, 45-66.	1.2	16
63	The sensitivity of the chick eye to refractive defocus. Ophthalmic and Physiological Optics, 1997, 17, 61-67.	2.0	16
64	Combination Effect of Outdoor Activity and Screen Exposure on Risk of Preschool Myopia: Findings From Longhua Child Cohort Study. Frontiers in Public Health, 2021, 9, 607911.	2.7	15
65	Accommodation lags are higher in myopia than in emmetropia: Measurement methods and metrics matter. Ophthalmic and Physiological Optics, 2022, 42, 1103-1114.	2.0	15
66	Effect of unilateral forced nostril breathing on tonic accommodation and intraocular pressure. Clinical Autonomic Research, 2004, 14, 396-400.	2.5	14
67	GABA _B Receptor Antagonist CGP46381 Inhibits Form-Deprivation Myopia Development in Guinea Pigs. BioMed Research International, 2015, 2015, 1-6.	1.9	14
68	Zone of Clear Single Binocular Vision in Myopic Orthokeratology. Eye and Contact Lens, 2020, 46, 82-90.	1.6	14
69	Imposed Retinal Image Size Changes???Do They Provide a Cue to the Sign of Lens-Induced Defocus in Chick?. Optometry and Vision Science, 1999, 76, 320-325.	1.2	13
70	Slow flash multifocal electroretinogram in myopia. Vision Research, 2006, 46, 2869-2876.	1.4	13
71	Inhibition of form-deprivation myopia by a GABA _A receptor antagonist, (1,2,5,6-tetrahydropyridin-4-yl) methylphosphinic acid (TPMPA), in guinea pigs. Graefes Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1939-1946.	1.9	13
72	GABAergic Agents Modify the Response of Chick Scleral Fibroblasts to Myopic and Hyperopic Eye Cup Tissues. Current Eye Research, 2014, 39, 172-187.	1.5	13

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73	Screen Exposure during Early Life and the Increased Risk of Astigmatism among Preschool Children: Findings from Longhua Child Cohort Study. International Journal of Environmental Research and Public Health, 2020, 17, 2216.	2.6	13
74	Identification of GABA receptors in chick cornea. Molecular Vision, 2012, 18, 1107-14.	1.1	13
75	Changes in Implicit Time of the Multifocal Electroretinogram Response Following Contrast Adaptation. Current Eye Research, 2006, 31, 549-556.	1.5	12
76	Multifocal contact lens design, not addition power, affects accommodation responses in young adult myopes. Ophthalmic and Physiological Optics, 2021, 41, 1346-1354.	2.0	12
77	GABAB1 and GABAB2 receptor subunits co-expressed in cultured human RPE cells regulate intracellular Ca ²⁺ via Gi/o-protein and phospholipase C pathways. Neuroscience, 2014, 280, 254-261.	2.3	11
78	Ciliary Muscle Dimension Changes With Accommodation Vary in Myopia and Emmetropia. , 2022, 63, 24.		11
79	AC/A ratios in myopic and emmetropic Hong Kong children and the effect of timolol. Australasian journal of optometry, The, 2003, 86, 323-330.	1.3	10
80	Comparative effects of posterior eye cup tissues from myopic and hyperopic chick eyes on cultured scleral fibroblasts. Experimental Eye Research, 2013, 107, 11-20.	2.6	10
81	GABA _B Receptors Expressed in Human Aortic Endothelial Cells Mediate Intracellular Calcium Concentration Regulation and Endothelial Nitric Oxide Synthase Translocation. BioMed Research International, 2014, 2014, 1-8.	1.9	10
82	Effects of eye rotation and contact lens decentration on horizontal peripheral refraction. Ophthalmic and Physiological Optics, 2019, 39, 370-377.	2.0	10
83	Associations between Environmental Tobacco Smoke Exposure in Early Life and Astigmatism among Chinese Preschool Children. International Journal of Environmental Research and Public Health, 2019, 16, 3725.	2.6	10
84	COVID-19: ensuring safe clinical teaching at university optometry schools. Ophthalmic and Physiological Optics, 2021, 41, 144-156.	2.0	10
85	Dot Motion Perception in Young Adult Emmetropes and Myopes. Optometry and Vision Science, 2018, 95, 498-504.	1.2	9
86	Central corneal basal cell density and nerve parameters in ocular surface disease and limbal stem cell deficiency: a review and meta-analysis. British Journal of Ophthalmology, 2020, 104, 1633-1639.	3.9	9
87	Association between greater residential greenness and decreased risk of preschool myopia and astigmatism. Environmental Research, 2021, 196, 110976.	7.5	9
88	The effect of concentric and aspheric multifocal soft contact lenses on binocular vision in young adult myopes. Contact Lens and Anterior Eye, 2023, 46, 101588.	1.7	9
89	Objective real-time measurement of instrument myopia in microscopists under different viewing conditions. Vision Research, 2006, 46, 2354-2362.	1.4	8
90	Cone Ratios in Myopia and Emmetropia. Optometry and Vision Science, 2015, 92, e1-e5.	1.2	8

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91	Effect of Accommodation on Peripheral Eye Lengths of Emmetropes and Myopes. Optometry and Vision Science, 2017, 94, 361-369.	1.2	8
92	Multifocal spectacles in childhood myopia: Are treatment effects maintained? A systematic review and meta-analysis. Survey of Ophthalmology, 2020, 65, 239-249.	4.0	8
93	Development of Feasible Methods to Image the Eyelid Margin Using In Vivo Confocal Microscopy. Cornea, 2020, 39, 1325-1333.	1.7	8
94	Associations between the menstrual cycle, lifestyle factors and clinical assessment of the ocular surface: a prospective observational study. BMC Women's Health, 2020, 20, 23.	2.0	8
95	Visual Backward Masking Performance in Young Adult Emmetropes and Myopes. Optometry and Vision Science, 2012, 89, E90-E96.	1.2	7
96	Analysis of physical activity in emmetropic and myopic university students during semester and holiday periods: a pilot study. Australasian journal of optometry, The, 2015, 98, 547-554.	1.3	7
97	GABAB receptors are expressed in human aortic smooth muscle cells and regulate the intracellular Ca ²⁺ concentration. Heart and Vessels, 2015, 30, 249-257.	1.2	6
98	Hard Contact Lenses Alter Accommodative Gain But Do Not Prevent Refractive Adaptation in Chicks. Optometry and Vision Science, 1997, 74, 20-27.	1.2	5
99	A survey of ocular therapeutic pharmaceutical agents in optometric practice. Australasian journal of optometry, The, 2000, 83, 16-31.	1.3	5
100	Effect of Text Type on Near Work-Induced Contrast Adaptation in Myopic and Emmetropic Young Adults. , 2013, 54, 1478.		5
101	Hemi-field and full-field form-deprivation induce timing changes in multifocal <scp>ERG</scp> responses in chick. Ophthalmic and Physiological Optics, 2013, 33, 257-266.	2.0	5
102	A snapshot of optometry teaching in Australia and New Zealand in response to COVID-19. Australasian journal of optometry, The, 2021, 104, 723-727.	1.3	5
103	GABA α 1 and GABA α 1 subunits are expressed in cultured human RPE cells and GABAA receptor agents modify the intracellular calcium concentration. Molecular Vision, 2015, 21, 939-47.	1.1	5
104	Giant papillary conjunctivitis associated with an ocular prosthesis. Australasian journal of optometry, The, 2001, 84, 293-295.	1.3	4
105	Involving patients in the development of interpersonal skills of optometry students. Australasian journal of optometry, The, 2020, 103, 361-367.	1.3	4
106	Comparison of blur and magnification effects on stereopsis: overall and meridional, monocularly- and binocularly-induced. Ophthalmic and Physiological Optics, 2020, 40, 660-668.	2.0	4
107	Fluoroquinolones are a potent form of chemotherapy. Australasian journal of optometry, The, 2021, 104, 412-416.	1.3	4
108	Lid Margin Score Is the Strongest Predictor of Meibomian Area Loss. Cornea, 2022, Publish Ahead of Print, .	1.7	4

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109	Emmetropisation responses when visual information is presented at only one or two near target planes in chick*. Australasian journal of optometry, The, 2003, 86, 308-316.	1.3	3
110	The Effect of a β_2 -Adrenoceptor Antagonist on Accommodative Adaptation in Hong Kong Children. Current Eye Research, 2005, 30, 179-188.	1.5	3
111	Myopia: Recent Advances in Molecular Studies; Prevalence, Progression and Risk Factors; Emmetropization; Therapies; Optical Links; Peripheral Refraction; Sclera and Ocular Growth; Signalling Cascades; and Animal Models. Optometry and Vision Science, 2008, PAP, .	1.2	3
112	The effects of optically and digitally simulated aniseikonia on stereopsis. Ophthalmic and Physiological Optics, 2022, 42, 921-930.	2.0	3
113	Segmentation methods and morphometry of confocal microscopy imaged corneal epithelial cells. Contact Lens and Anterior Eye, 2022, 45, 101720.	1.7	3
114	Near Work-Induced Contrast Adaptation in Emmetropic and Myopic Children. , 2012, 53, 3441.		2
115	The Effect of Vertically Yoked Prisms on Binocular Vision and Accommodation. Optometry and Vision Science, 2019, 96, 414-423.	1.2	2
116	The accreditation of university teachers: an optometric viewpoint. Australasian journal of optometry, The, 1998, 81, 104-111.	1.3	1
117	Experimental Study of Refraction Effects of Nominally Plano Ophthalmic Prisms and Magnifying Lenses. Optometry and Vision Science, 2019, 96, 111-116.	1.2	1
118	Treatment of Rhinosinusitis and Dry Eye with an Antibacterial Honey Nasal Spray. Journal of Apitherapy, 2016, 1, 36.	0.9	1
119	Â. Ophthalmic and Physiological Optics, 2021, 41, 632-632.	2.0	0