

Katrina L Schmid

List of Publications by Year in descending order

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119
papers

4,009
citations

159358

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168136

53
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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. | 0.7 | 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. | 0.7 | 179 |
| 5 | The streptozotocin-diabetic rat as a model of the chronic complications of human diabetes. Heart Lung and Circulation, 2003, 12, 44-50. | 0.2 | 173 |
| 6 | Effect of Bifocal and Prismatic Bifocal Spectacles on Myopia Progression in Children. JAMA Ophthalmology, 2014, 132, 258. | 1.4 | 157 |
| 7 | Differences in the accommodation stimulus response curves of adult myopes and emmetropes. Ophthalmic and Physiological Optics, 1998, 18, 13-20. | 1.0 | 142 |
| 8 | Inhibitory Effects of Apomorphine and Atropine and Their Combination on Myopia in Chicks. Optometry and Vision Science, 2004, 81, 137-147. | 0.6 | 134 |
| 9 | Differences in the accommodation stimulus response curves of adult myopes and emmetropes. Ophthalmic and Physiological Optics, 1998, 18, 13-20. | 1.0 | 90 |
| 10 | Randomized Trial of Effect of Bifocal and Prismatic Bifocal Spectacles on Myopic Progression. JAMA Ophthalmology, 2010, 128, 12. | 2.6 | 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. | 0.6 | 82 |
| 12 | Assessment of visual acuity and contrast sensitivity in the chick using an optokinetic nystagmus paradigm. Vision Research, 1998, 38, 2629-2634. | 0.7 | 75 |
| 13 | The autonomic control of accommodation and implications for human myopia development: a review. Ophthalmic and Physiological Optics, 2003, 23, 401-422. | 1.0 | 75 |
| 14 | Neural and optical limits to visual performance in myopia. Vision Research, 2006, 46, 3707-3722. | 0.7 | 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. | 1.3 | 71 |
| 16 | Contrast and spatial-frequency requirements for emmetropization in chicks. Vision Research, 1997, 37, 2011-2021. | 0.7 | 69 |
| 17 | Natural and Imposed Astigmatism and their Relation to Emmetropization in the Chick. Experimental Eye Research, 1997, 64, 837-847. | 1.2 | 58 |
| 18 | Delayed mfERG responses in myopia. Vision Research, 2006, 46, 1221-1229. | 0.7 | 56 |

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|----|---|-----|-----------|
| 19 | Three-dimensional MRI study of the relationship between eye dimensions, retinal shape and myopia. <i>Biomedical Optics Express</i> , 2017, 8, 2386. | 1.5 | 54 |
| 20 | Identification of Apolipoprotein A-I as a "STOP" Signal for Myopia. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 2158-2166. | 2.5 | 48 |
| 21 | Peripheral Refraction, Peripheral Eye Length, and Retinal Shape in Myopia. <i>Optometry and Vision Science</i> , 2016, 93, 1072-1078. | 0.6 | 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. <i>Ophthalmic and Physiological Optics</i> , 2008, 28, 225-237. | 1.0 | 45 |
| 24 | Associations Between Screen Exposure in Early Life and Myopia amongst Chinese Preschoolers. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1056. | 1.2 | 45 |
| 25 | Myopia Prevalence in Chinese-Canadian Children in an Optometric Practice. <i>Optometry and Vision Science</i> , 2007, 84, 21-32. | 0.6 | 43 |
| 26 | What Image Properties Regulate Eye Growth?. <i>Current Biology</i> , 2006, 16, 687-691. | 1.8 | 40 |
| 27 | Sharp vision: a prerequisite for compensation to myopic defocus in the chick?. <i>Current Eye Research</i> , 1998, 17, 322-331. | 0.7 | 38 |
| 28 | The effect of under and over refractive correction on visual performance and spectacle lens acceptance. <i>Ophthalmic and Physiological Optics</i> , 2001, 21, 255-261. | 1.0 | 38 |
| 29 | Impact of oral vitamin D supplementation on the ocular surface in people with dry eye and/or low serum vitamin D. <i>Contact Lens and Anterior Eye</i> , 2018, 41, 69-76. | 0.8 | 37 |
| 30 | The effects and interactions of GABAergic and dopaminergic agents in the prevention of form deprivation myopia by brief periods of normal vision. <i>Experimental Eye Research</i> , 2013, 110, 88-95. | 1.2 | 35 |
| 31 | The expandability of the eye in childhood myopia. <i>Current Eye Research</i> , 2003, 26, 65-71. | 0.7 | 34 |
| 32 | Evaluation of inner retinal function in myopia using oscillatory potentials of the multifocal electroretinogram. <i>Vision Research</i> , 2006, 46, 4096-4103. | 0.7 | 34 |
| 33 | Knowledge of the ocular effects of diabetes among the general population of Australia and the members of Diabetes Australia. <i>Australasian journal of optometry</i> , The, 2003, 86, 91-103. | 0.6 | 33 |
| 34 | Timolol Lowers Intraocular Pressure but Does Not Inhibit the Development of Experimental Myopia in Chick. <i>Experimental Eye Research</i> , 2000, 70, 659-666. | 1.2 | 32 |
| 35 | Retinal serotonin, eye growth and myopia development in chick. <i>Experimental Eye Research</i> , 2005, 81, 616-625. | 1.2 | 32 |
| 36 | Assessment of Daily Light and Ultraviolet Exposure in Young Adults. <i>Optometry and Vision Science</i> , 2013, 90, 148-155. | 0.6 | 31 |

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|----|--|-----|-----------|
| 37 | Blur detection thresholds in childhood myopia: single and dual target presentation. <i>Vision Research</i> , 2002, 42, 239-247. | 0.7 | 30 |
| 38 | Emmetropization in chicks uses optical vergence and relative distance cues to decode defocus. <i>Vision Research</i> , 2001, 41, 3197-3204. | 0.7 | 29 |
| 39 | Bifocal lens control of myopic progression in children. <i>Australasian journal of optometry</i> , The, 2011, 94, 24-32. | 0.6 | 28 |
| 40 | Randomised controlled trial of topical antibacterial Manuka (<i>Leptospermum</i> species) honey for evaporative dry eye due to meibomian gland dysfunction. <i>Australasian journal of optometry</i> , The, 2017, 100, 603-615. | 0.6 | 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. <i>Ophthalmic and Physiological Optics</i> , 2003, 23, 25-33. | 1.0 | 26 |
| 43 | Prevalence of Myopia in a Group of Hong Kong Microscopists. <i>Optometry and Vision Science</i> , 2004, 81, 88-93. | 0.6 | 26 |
| 44 | Near binocular visual function in young adult orthokeratology versus soft contact lens wearers. <i>Contact Lens and Anterior Eye</i> , 2017, 40, 184-189. | 0.8 | 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. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 613-621. | 1.0 | 25 |
| 47 | Treatment of contact lens related dry eye with antibacterial honey. <i>Contact Lens and Anterior Eye</i> , 2017, 40, 389-393. | 0.8 | 25 |
| 48 | Validation of a partial coherence interferometry method for estimating retinal shape. <i>Biomedical Optics Express</i> , 2015, 6, 3235. | 1.5 | 24 |
| 49 | Differences in retinal shape between East Asian and Caucasian eyes. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 275-283. | 1.0 | 24 |
| 50 | Effects of simulated anisometropia and aniseikonia on stereopsis. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 323-332. | 1.0 | 20 |
| 51 | Retrospective Analysis of Refractive Errors in Children With Vision Impairment. <i>Optometry and Vision Science</i> , 2005, 82, 807-816. | 0.6 | 19 |
| 52 | The Effect of Common Reductions in Letter Size and Contrast on Accommodation Responses in Young Adult Myopes and Emmetropes. <i>Optometry and Vision Science</i> , 2005, 82, 602-611. | 0.6 | 19 |
| 53 | The effect of manipulations to target contrast on emmetropization in chick. <i>Vision Research</i> , 2006, 46, 1099-1107. | 0.7 | 19 |
| 54 | Retinal adaptation responses revealed by global flash multifocal electroretinogram are dependent on the degree of myopic refractive error. <i>Vision Research</i> , 2006, 46, 3413-3421. | 0.7 | 19 |

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|----|--|-----|-----------|
| 55 | Identification of GABA receptors in chick retinal pigment epithelium. <i>Neuroscience Letters</i> , 2013, 539, 43-47. | 1.0 | 19 |
| 56 | ρ_{1C} GABA _C receptors are expressed in fibrous and cartilaginous layers of chick sclera and located on sclera fibroblasts and chondrocytes. <i>Journal of Neurochemistry</i> , 2011, 118, 281-287. | 2.1 | 18 |
| 57 | Children's Accommodation During Reading of Chinese and English Texts. <i>Optometry and Vision Science</i> , 2013, 90, 156-163. | 0.6 | 18 |
| 58 | Stability of peripheral refraction changes in orthokeratology for myopia. <i>Contact Lens and Anterior Eye</i> , 2020, 43, 44-53. | 0.8 | 17 |
| 59 | The sensitivity of the chick eye to refractive defocus. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 61-67. | 1.0 | 16 |
| 60 | Ocular allergy: causes and therapeutic options. <i>Australasian journal of optometry, The</i> , 2000, 83, 257-270. | 0.6 | 16 |
| 61 | The detection of diabetic retinopathy by Australian optometrists. <i>Australasian journal of optometry, The</i> , 2002, 85, 221-228. | 0.6 | 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. <i>Optometry and Vision Science</i> , 2009, 86, 45-66. | 0.6 | 16 |
| 63 | The sensitivity of the chick eye to refractive defocus. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 61-67. | 1.0 | 16 |
| 64 | Combination Effect of Outdoor Activity and Screen Exposure on Risk of Preschool Myopia: Findings From Longhua Child Cohort Study. <i>Frontiers in Public Health</i> , 2021, 9, 607911. | 1.3 | 15 |
| 65 | Accommodation lags are higher in myopia than in emmetropia: Measurement methods and metrics matter. <i>Ophthalmic and Physiological Optics</i> , 2022, 42, 1103-1114. | 1.0 | 15 |
| 66 | Effect of unilateral forced nostril breathing on tonic accommodation and intraocular pressure. <i>Clinical Autonomic Research</i> , 2004, 14, 396-400. | 1.4 | 14 |
| 67 | GABA _B Receptor Antagonist CGP46381 Inhibits Form-Deprivation Myopia Development in Guinea Pigs. <i>BioMed Research International</i> , 2015, 2015, 1-6. | 0.9 | 14 |
| 68 | Zone of Clear Single Binocular Vision in Myopic Orthokeratology. <i>Eye and Contact Lens</i> , 2020, 46, 82-90. | 0.8 | 14 |
| 69 | Imposed Retinal Image Size Changes???Do They Provide a Cue to the Sign of Lens-Induced Defocus in Chick?. <i>Optometry and Vision Science</i> , 1999, 76, 320-325. | 0.6 | 13 |
| 70 | Slow flash multifocal electroretinogram in myopia. <i>Vision Research</i> , 2006, 46, 2869-2876. | 0.7 | 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. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 1939-1946. | 1.0 | 13 |
| 72 | GABAergic Agents Modify the Response of Chick Scleral Fibroblasts to Myopic and Hyperopic Eye Cup Tissues. <i>Current Eye Research</i> , 2014, 39, 172-187. | 0.7 | 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. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2216. | 1.2 | 13 |
| 74 | Identification of GABA receptors in chick cornea. <i>Molecular Vision</i> , 2012, 18, 1107-14. | 1.1 | 13 |
| 75 | Changes in Implicit Time of the Multifocal Electroretinogram Response Following Contrast Adaptation. <i>Current Eye Research</i> , 2006, 31, 549-556. | 0.7 | 12 |
| 76 | Multifocal contact lens design, not addition power, affects accommodation responses in young adult myopes. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 1346-1354. | 1.0 | 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. <i>Neuroscience</i> , 2014, 280, 254-261. | 1.1 | 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. <i>Australasian journal of optometry</i> , 2003, 86, 323-330. | 0.6 | 10 |
| 80 | Comparative effects of posterior eye cup tissues from myopic and hyperopic chick eyes on cultured scleral fibroblasts. <i>Experimental Eye Research</i> , 2013, 107, 11-20. | 1.2 | 10 |
| 81 | GABA _B Receptors Expressed in Human Aortic Endothelial Cells Mediate Intracellular Calcium Concentration Regulation and Endothelial Nitric Oxide Synthase Translocation. <i>BioMed Research International</i> , 2014, 2014, 1-8. | 0.9 | 10 |
| 82 | Effects of eye rotation and contact lens decentration on horizontal peripheral refraction. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 370-377. | 1.0 | 10 |
| 83 | Associations between Environmental Tobacco Smoke Exposure in Early Life and Astigmatism among Chinese Preschool Children. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3725. | 1.2 | 10 |
| 84 | COVID-19: ensuring safe clinical teaching at university optometry schools. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 144-156. | 1.0 | 10 |
| 85 | Dot Motion Perception in Young Adult Emmetropes and Myopes. <i>Optometry and Vision Science</i> , 2018, 95, 498-504. | 0.6 | 9 |
| 86 | Central corneal basal cell density and nerve parameters in ocular surface disease and limbal stem cell deficiency: a review and meta-analysis. <i>British Journal of Ophthalmology</i> , 2020, 104, 1633-1639. | 2.1 | 9 |
| 87 | Association between greater residential greenness and decreased risk of preschool myopia and astigmatism. <i>Environmental Research</i> , 2021, 196, 110976. | 3.7 | 9 |
| 88 | The effect of concentric and aspheric multifocal soft contact lenses on binocular vision in young adult myopes. <i>Contact Lens and Anterior Eye</i> , 2023, 46, 101588. | 0.8 | 9 |
| 89 | Objective real-time measurement of instrument myopia in microscopists under different viewing conditions. <i>Vision Research</i> , 2006, 46, 2354-2362. | 0.7 | 8 |
| 90 | Cone Ratios in Myopia and Emmetropia. <i>Optometry and Vision Science</i> , 2015, 92, e1-e5. | 0.6 | 8 |

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|-----|--|-----|-----------|
| 91 | Effect of Accommodation on Peripheral Eye Lengths of Emmetropes and Myopes. <i>Optometry and Vision Science</i> , 2017, 94, 361-369. | 0.6 | 8 |
| 92 | Multifocal spectacles in childhood myopia: Are treatment effects maintained? A systematic review and meta-analysis. <i>Survey of Ophthalmology</i> , 2020, 65, 239-249. | 1.7 | 8 |
| 93 | Development of Feasible Methods to Image the Eyelid Margin Using In Vivo Confocal Microscopy. <i>Cornea</i> , 2020, 39, 1325-1333. | 0.9 | 8 |
| 94 | Associations between the menstrual cycle, lifestyle factors and clinical assessment of the ocular surface: a prospective observational study. <i>BMC Women's Health</i> , 2020, 20, 23. | 0.8 | 8 |
| 95 | Visual Backward Masking Performance in Young Adult Emmetropes and Myopes. <i>Optometry and Vision Science</i> , 2012, 89, E90-E96. | 0.6 | 7 |
| 96 | Analysis of physical activity in emmetropic and myopic university students during semester and holiday periods: a pilot study. <i>Australasian journal of optometry, The</i> , 2015, 98, 547-554. | 0.6 | 7 |
| 97 | GABAB receptors are expressed in human aortic smooth muscle cells and regulate the intracellular Ca ²⁺ concentration. <i>Heart and Vessels</i> , 2015, 30, 249-257. | 0.5 | 6 |
| 98 | Hard Contact Lenses Alter Accommodative Gain But Do Not Prevent Refractive Adaptation in Chicks. <i>Optometry and Vision Science</i> , 1997, 74, 20-27. | 0.6 | 5 |
| 99 | A survey of ocular therapeutic pharmaceutical agents in optometric practice. <i>Australasian journal of optometry, The</i> , 2000, 83, 16-31. | 0.6 | 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 ERG responses in chick. <i>Ophthalmic and Physiological Optics</i> , 2013, 33, 257-266. | 1.0 | 5 |
| 102 | A snapshot of optometry teaching in Australia and New Zealand in response to COVID-19. <i>Australasian journal of optometry, The</i> , 2021, 104, 723-727. | 0.6 | 5 |
| 103 | GABA _A 1 and GABA _A 1 subunits are expressed in cultured human RPE cells and GABA _A receptor agents modify the intracellular calcium concentration. <i>Molecular Vision</i> , 2015, 21, 939-47. | 1.1 | 5 |
| 104 | Giant papillary conjunctivitis associated with an ocular prosthesis. <i>Australasian journal of optometry, The</i> , 2001, 84, 293-295. | 0.6 | 4 |
| 105 | Involving patients in the development of interpersonal skills of optometry students. <i>Australasian journal of optometry, The</i> , 2020, 103, 361-367. | 0.6 | 4 |
| 106 | Comparison of blur and magnification effects on stereopsis: overall and meridional, monocularly- and binocularly-induced. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 660-668. | 1.0 | 4 |
| 107 | Fluoroquinolones are a potent form of chemotherapy. <i>Australasian journal of optometry, The</i> , 2021, 104, 412-416. | 0.6 | 4 |
| 108 | Lid Margin Score Is the Strongest Predictor of Meibomian Area Loss. <i>Cornea</i> , 2022, Publish Ahead of Print, . | 0.9 | 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. | 0.6 | 3 |
| 110 | The Effect of a β^2 -Adrenoceptor Antagonist on Accommodative Adaptation in Hong Kong Children. Current Eye Research, 2005, 30, 179-188. | 0.7 | 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, . | 0.6 | 3 |
| 112 | The effects of optically and digitally simulated aniseikonia on stereopsis. Ophthalmic and Physiological Optics, 2022, 42, 921-930. | 1.0 | 3 |
| 113 | Segmentation methods and morphometry of confocal microscopy imaged corneal epithelial cells. Contact Lens and Anterior Eye, 2022, 45, 101720. | 0.8 | 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. | 0.6 | 2 |
| 116 | The accreditation of university teachers: an optometric viewpoint. Australasian journal of optometry, The, 1998, 81, 104-111. | 0.6 | 1 |
| 117 | Experimental Study of Refraction Effects of Nominally Plano Ophthalmic Prisms and Magnifying Lenses. Optometry and Vision Science, 2019, 96, 111-116. | 0.6 | 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. | 1.0 | 0 |