

# Laura E Downie

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

3,238  
citations

218592

26  
h-index

189801

50  
g-index

117  
all docs

117  
docs citations

117  
times ranked

2942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of presumed corneal neuromas and microneuromas using laser-scanning in vivo confocal microscopy: a systematic review. <i>British Journal of Ophthalmology</i> , 2022, 106, 765-771.	2.1	19
2	The Save Sight Keratoconus Registry "Optometry Module: an opportunity to use real-world data to advance eye care. <i>Australasian journal of optometry</i> , The, 2022, 105, 96-99.	0.6	9
3	Evaluating the clinical translational relevance of animal models for limbal stem cell deficiency: A systematic review. <i>Ocular Surface</i> , 2022, 23, 169-183.	2.2	9
4	Stem Cell Therapies for Eye Conditions: A Survey of Australian Ophthalmologists. <i>Asia-Pacific Journal of Ophthalmology</i> , 2022, 11, 494-495.	1.3	0
5	Quantifying corneal immune cells from human in vivo confocal microscopy images: Can manual quantification be improved with observer training?. <i>Experimental Eye Research</i> , 2022, 216, 108950.	1.2	4
6	Point-of-care tools to support optometric care provision to people with age-related macular degeneration: A randomised, placebo-controlled trial. <i>Ophthalmic and Physiological Optics</i> , 2022, , .	1.0	1
7	The effect of topical decorin on temporal changes to corneal immune cells after epithelial abrasion. <i>Journal of Neuroinflammation</i> , 2022, 19, 90.	3.1	7
8	Interventions for the Management of Computer Vision Syndrome. <i>Ophthalmology</i> , 2022, 129, 1192-1215.	2.5	25
9	Corneal tissue-resident memory T cells form a unique immune compartment at the ocular surface. <i>Cell Reports</i> , 2022, 39, 110852.	2.9	19
10	Defining an Optimal Sample Size for Corneal Epithelial Immune Cell Analysis Using in vivo Confocal Microscopy Images. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	3
11	Non-invasive Instrument-Based Tests for Quantifying Anterior Chamber Flare in Uveitis: A Systematic Review. <i>Ocular Immunology and Inflammation</i> , 2021, 29, 982-990.	1.0	7
12	Clinical audit as an educative tool for optometrists: an intervention study in age-related macular degeneration. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 53-72.	1.0	6
13	Altered Corneal Epithelial Dendritic Cell Morphology and Phenotype Following Acute Exposure to Hyperosmolar Saline. , 2021, 62, 38.		11
14	Contact Lens Evidence-Based Academic Reports (CLEAR). <i>Contact Lens and Anterior Eye</i> , 2021, 44, 129-131.	0.8	12
15	BCLA CLEAR - Anatomy and physiology of the anterior eye. <i>Contact Lens and Anterior Eye</i> , 2021, 44, 132-156.	0.8	37
16	Investigating the Neuroprotective Effect of Oral Omega-3 Fatty Acid Supplementation in Type 1 Diabetes (nPROOFS1): A Randomized Placebo-Controlled Trial. <i>Diabetes</i> , 2021, 70, 1794-1806.	0.3	23
17	Do Blue-blocking Lenses Reduce Eye Strain From Extended Screen Time? A Double-Masked Randomized Controlled Trial. <i>American Journal of Ophthalmology</i> , 2021, 226, 243-251.	1.7	28
18	Corneal immune cell morphometry as an indicator of local and systemic pathology: A review. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 729-740.	1.3	20

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19	Surgical interventions for infantile nystagmus syndrome. The Cochrane Library, 2021, 2021, CD013390.	1.5	2
20	Omega-3 polyunsaturated fatty acid oral supplements for improving peripheral nerve health: a systematic review and meta-analysis. Nutrition Reviews, 2020, 78, 323-341.	2.6	20
21	Corneal Epithelial Dendritic Cell Response as a Putative Marker of Neuro-inflammation in Small Fiber Neuropathy. Ocular Immunology and Inflammation, 2020, 28, 898-907.	1.0	10
22	Topographical and Morphological Differences of Corneal Dendritic Cells during Steady State and Inflammation. Ocular Immunology and Inflammation, 2020, 28, 898-907.	1.0	26
23	Knowledge, perspectives and clinical practices of Australian optometrists in relation to childhood myopia. Australasian journal of optometry, The, 2020, 103, 155-166.	0.6	22
24	Are current ophthalmology clinical practices relating to blue light-filtering intraocular lenses evidence-based?. Clinical and Experimental Ophthalmology, 2020, 48, 125-127.	1.3	3
25	An artificial tear containing flaxseed oil for treating dry eye disease: A randomized controlled trial. Ocular Surface, 2020, 18, 148-157.	2.2	21
26	Psychometric Properties of the Keratoconus Outcomes Research Questionnaire: A Save Sight Keratoconus Registry Study. Cornea, 2020, 39, 303-310.	0.9	33
27	Decision making biases in the allied health professions: A systematic scoping review. PLoS ONE, 2020, 15, e0240716.	1.1	42
28	The Ida Mann 2020 special issue: Vision scientists breaking the glass ceiling. Ophthalmic and Physiological Optics, 2020, 40, 61-65.	1.0	1
29	Migraine Screening in Primary Eye Care Practice: Current Behaviors and the Impact of Clinician Education. Headache, 2020, 60, 1817-1829.	1.8	0
30	Ocular <i>Demodex</i> : a systematic review of the clinical literature. Ophthalmic and Physiological Optics, 2020, 40, 389-432.	1.0	35
31	Morphometric Changes to Corneal Dendritic Cells in Individuals With Mild Cognitive Impairment. Frontiers in Neuroscience, 2020, 14, 556137.	1.4	20
32	The neuroregenerative effects of topical decorin on the injured mouse cornea. Journal of Neuroinflammation, 2020, 17, 142.	3.1	17
33	Corneal Epithelial "Neuromas": A Case of Mistaken Identity?. Cornea, 2020, 39, 930-934.	0.9	35
34	Material, Immunological, and Practical Perspectives on Eye Drop Formulation. Advanced Functional Materials, 2020, 30, 1908476.	7.8	16
35	Meibomian gland dropout is associated with immunodeficiency at HIV diagnosis: Implications for dry eye disease. Ocular Surface, 2020, 18, 206-213.	2.2	10
36	Novel alterations in corneal neuroimmune phenotypes in mice with central nervous system tauopathy. Journal of Neuroinflammation, 2020, 17, 136.	3.1	11

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37	Intense pulsed light (IPL) therapy for the treatment of meibomian gland dysfunction. The Cochrane Library, 2020, 2020, CD013559.	1.5	38
38	Omega-3 Fatty Acids and Eye Health: Opinions and Self-Reported Practice Behaviors of Optometrists in Australia and New Zealand. <i>Nutrients</i> , 2020, 12, 1179.	1.7	14
39	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
40	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
41	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
42	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
43	A Systematic Review of Interventions to Reduce the Effects of Cognitive Biases in the Decision-Making of Audiologists. <i>Journal of the American Academy of Audiology</i> , 2020, 31, 158-167.	0.4	3
44	The Effects of Aging on Corneal and Ocular Surface Homeostasis in Mice. , 2019, 60, 2705.		37
45	Nutrition and Eye Health. <i>Nutrients</i> , 2019, 11, 2123.	1.7	20
46	Optical coherence tomography: seeing the unseen. <i>Australasian journal of optometry</i> , The, 2019, 102, 193-194.	0.6	4
47	Preliminary Validation of a Food Frequency Questionnaire to Assess Long-Chain Omega-3 Fatty Acid Intake in Eye Care Practice. <i>Nutrients</i> , 2019, 11, 817.	1.7	17
48	Tear Film Extensional Viscosity Is a Novel Potential Biomarker of Dry Eye Disease. <i>Ophthalmology</i> , 2019, 126, 1196-1198.	2.5	13
49	Insights into Australian optometristsâ€™ knowledge and attitude towards prescribing blue lightâ€‘blocking ophthalmic devices. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 194-204.	1.0	20
50	A Critical Appraisal of National and International Clinical Practice Guidelines Reporting Nutritional Recommendations for Age-Related Macular Degeneration: Are Recommendations Evidence-Based?. <i>Nutrients</i> , 2019, 11, 823.	1.7	9
51	Analysis of a Systematic Review About Blue Lightâ€‘Filtering Intraocular Lenses for Retinal Protection. <i>JAMA Ophthalmology</i> , 2019, 137, 694.	1.4	31
52	39â€‘...Effect of an EBP learning program on confidence and competence in EBP. , 2019, , .		0
53	Surgical interventions for infantile nystagmus syndrome. The Cochrane Library, 2019, , .	1.5	1
54	Omega-3 and omega-6 polyunsaturated fatty acids for dry eye disease. The Cochrane Library, 2019, 12, CD011016.	1.5	42

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55	Interventions to Mitigate Cognitive Biases in the Decision Making of Eye Care Professionals: A Systematic Review. <i>Optometry and Vision Science</i> , 2019, 96, 818-824.	0.6	5
56	Tears and Contact Lenses. , 2019, , 97-116.		3
57	Interventions to Mitigate Bias in Social Work Decision-Making: A Systematic Review. <i>Research on Social Work Practice</i> , 2019, 29, 741-752.	1.1	7
58	Tear film inflammatory cytokine upregulation in contact lens discomfort. <i>Ocular Surface</i> , 2019, 17, 89-97.	2.2	28
59	Anterior segment optical coherence tomography: its application in clinical practice and experimental models of disease. <i>Australasian journal of optometry, The</i> , 2019, 102, 208-217.	0.6	26
60	Citizen Science Models in Health Research: an Australian Commentary. <i>Online Journal of Public Health Informatics</i> , 2019, 11, e23.	0.4	12
61	A Systematic Review of Interventions to Reduce the Effects of Cognitive Biases in the Decision-Making of Audiologists. <i>Journal of the American Academy of Audiology</i> , 2019, , .	0.4	1
62	Omega-3 polyunsaturated fatty acid supplementation for improving peripheral nerve health: protocol for a systematic review. <i>BMJ Open</i> , 2018, 8, e020804.	0.8	3
63	Recovery of the sub-basal nerve plexus and superficial nerve terminals after corneal epithelial injury in mice. <i>Experimental Eye Research</i> , 2018, 171, 92-100.	1.2	14
64	Keratoconus. , 2018, , 251-262.e2.		1
65	27â€¦Transforming evidence-based practice with crowdcare: crowdsourcing critical appraisal of research evidence. , 2018, , .		0
66	Clinical Outcomes of Fixed Versus As-Needed Use of Artificial Tears in Dry Eye Disease: A 6-Week, Observer-Masked Phase 4 Clinical Trial. , 2018, 59, 2275.		17
67	Blue-light filtering intraocular lenses (IOLs) for protecting macular health. <i>The Cochrane Library</i> , 2018, 2018, CD011977.	1.5	46
68	Appraising the Quality of Systematic Reviews for Age-Related Macular Degeneration Interventions. <i>JAMA Ophthalmology</i> , 2018, 136, 1051.	1.4	17
69	Oral Omega-3 Supplementation Lowers Intraocular Pressure in Normotensive Adults. <i>Translational Vision Science and Technology</i> , 2018, 7, 1.	1.1	27
70	Modulating Contact Lens Discomfort With Anti-Inflammatory Approaches: A Randomized Controlled Trial. , 2018, 59, 3755.		31
71	Crowdsourcing critical appraisal of research evidence (CrowdCARE) was found to be a valid approach to assessing clinical research quality. <i>Journal of Clinical Epidemiology</i> , 2018, 104, 8-14.	2.4	15
72	A comparison of the self-reported dry eye practices of New Zealand optometrists and ophthalmologists. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 191-201.	1.0	20

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73	Omega-3 supplementation is neuroprotective to corneal nerves in dry eye disease: a pilot study. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 473-481.	1.0	54
74	What do patients think about the role of optometrists in providing advice about smoking and nutrition?. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 202-211.	1.0	8
75	The effect of blue-light blocking spectacle lenses on visual performance, macular health and the sleep-wake cycle: a systematic review of the literature. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 644-654.	1.0	111
76	Blue-light filtering ophthalmic lenses: to prescribe, or not to prescribe?. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 640-643.	1.0	26
77	Tear film evaluation and management in soft contact lens wear: a systematic approach. <i>Australasian journal of optometry, The</i> , 2017, 100, 438-458.	0.6	29
78	TFOS DEWS II Management and Therapy Report. <i>Ocular Surface</i> , 2017, 15, 575-628.	2.2	839
79	Laser scanning in vivo confocal microscopy (IVCM) for evaluating human corneal sub-basal nerve plexus parameters: protocol for a systematic review. <i>BMJ Open</i> , 2017, 7, e018646.	0.8	24
80	A Randomized, Double-Masked, Placebo-Controlled Clinical Trial of Two Forms of Omega-3 Supplements for Treating Dry Eye Disease. <i>Ophthalmology</i> , 2017, 124, 43-52.	2.5	120
81	Optical Coherence Tomography Reveals Changes to Corneal Reflectivity and Thickness in Individuals with Tear Hyperosmolarity. <i>Translational Vision Science and Technology</i> , 2017, 6, 6.	1.1	13
82	Longitudinal Changes to Tight Junction Expression and Endothelial Cell Integrity in a Mouse Model of Sterile Corneal Inflammation. , 2016, 57, 3477.		9
83	Tear Interferon-Gamma as a Biomarker for Evaporative Dry Eye Disease. , 2016, 57, 4824.		61
84	Comparing self-reported optometric dry eye clinical practices in Australia and the United Kingdom: is there scope for practice improvement?. <i>Ophthalmic and Physiological Optics</i> , 2016, 36, 140-151.	1.0	30
85	Assessing ocular bulbar redness: a comparison of methods. <i>Ophthalmic and Physiological Optics</i> , 2016, 36, 132-139.	1.0	27
86	Response to Re: Contact lens management of keratoconus. <i>Australasian journal of optometry, The</i> , 2016, 99, 95-95.	0.6	0
87	A novel, quantitative clinical smoking behaviour tool for primary eye care clinicians. <i>International Journal of Evidence-Based Healthcare</i> , 2016, 14, 189-190.	0.1	0
88	Contact lens management of keratoconus. <i>Australasian journal of optometry, The</i> , 2015, 98, 299-311.	0.6	120
89	A Pragmatic Approach to the Management of Dry Eye Disease. <i>Optometry and Vision Science</i> , 2015, 92, 957-966.	0.6	16
90	A Pragmatic Approach to Dry Eye Diagnosis. <i>Optometry and Vision Science</i> , 2015, 92, 1189-1197.	0.6	28

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91	Accuracy of Laboratory Assays in Ophthalmic Practice. JAMA Ophthalmology, 2015, 133, 1480.	1.4	9
92	The personal nutritionâ€related attitudes and behaviors of Australian optometrists: Is there evidence for an evidence-based approach?. Nutrition, 2015, 31, 669-677.	1.1	6
93	The Self-Reported Clinical Practice Behaviors of Australian Optometrists as Related to Smoking, Diet and Nutritional Supplementation. PLoS ONE, 2015, 10, e0124533.	1.1	26
94	Color Vision Deficits in Intermediate Age-Related Macular Degeneration. Optometry and Vision Science, 2014, 91, 932-938.	0.6	18
95	Age-Related Macular Degeneration. Optometry and Vision Science, 2014, 91, 816-818.	0.6	5
96	Monitoring of Strain-Dependent Responsiveness to TLR Activation in the Mouse Anterior Segment Using SD-OCT. Investigative Ophthalmology and Visual Science, 2014, 55, 8189-8199.	3.3	19
97	Unilateral peripheral corneal ectasia following <scp>B</scp>ell's palsy. Clinical and Experimental Ophthalmology, 2014, 42, 794-796.	1.3	4
98	Nutrition and Age-Related Macular Degeneration. Optometry and Vision Science, 2014, 91, 821-831.	0.6	36
99	The Necessity for Ocular Assessment in Atopic Children: Bilateral Corneal Hydrops in an 8 Year Old. Pediatrics, 2014, 134, e596-e601.	1.0	21
100	Transiency of Fleischer's Rings in Forme-Fruste Keratoconus. Ophthalmology, 2013, 120, 1101-1101.e8.	2.5	2
101	Hypertensive retinopathy. Journal of Hypertension, 2013, 31, 960-965.	0.3	37
102	Corneal Reshaping Influences Myopic Prescription Stability (CRIMPS). Eye and Contact Lens, 2013, 39, 303-310.	0.8	31
103	An Evidence-Based Analysis of Australian Optometristsâ€™ Dry Eye Practices. Optometry and Vision Science, 2013, 90, 1385-1395.	0.6	48
104	Predictive Value of Corneal Topography for ClearKone Hybrid Contact Lenses. Optometry and Vision Science, 2013, 90, e191-e197.	0.6	12
105	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. Documenta Ophthalmologica, 2010, 120, 67-86.	1.0	53
106	Angiotensin typeâ€1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. Journal of Comparative Neurology, 2010, 518, 41-63.	0.9	44
107	Overnight corneal reshaping for the correction of childhood myopia: a single case study. Australasian journal of optometry, The, 2009, 92, 495-499.	0.6	1
108	Neuronal and glial cell expression of angiotensin II type 1 (AT1) and type 2 (AT2) receptors in the rat retina. Neuroscience, 2009, 161, 195-213.	1.1	56

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109	AT <sub>1</sub> receptor inhibition prevents astrocyte degeneration and restores vascular growth in oxygen-induced retinopathy. <i>Glia</i> , 2008, 56, 1076-1090.	2.5	88
110	A review of the role of glial cells in understanding retinal disease. <i>Australasian journal of optometry</i> , The, 2008, 91, 67-77.	0.6	36
111	Neuronal and glial cell changes are determined by retinal vascularization in retinopathy of prematurity. <i>Journal of Comparative Neurology</i> , 2007, 504, 404-417.	0.9	57
112	Blue-light filtering intraocular lenses (IOLs) for protecting macular health. <i>The Cochrane Library</i> , 0, , .	1.5	21
113	Blue-light filtering spectacle lenses for visual performance, sleep, and macular health in adults. <i>The Cochrane Library</i> , 0, , .	1.5	4
114	Interventions for myopia control in children: a living systematic review and network meta-analysis. <i>The Cochrane Library</i> , 0, , .	1.5	3