

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	TFOS DEWS II Management and Therapy Report. <i>Ocular Surface</i> , 2017, 15, 575-628.	2.2	839
2	Contact lens management of keratoconus. <i>Australasian journal of optometry, The</i> , 2015, 98, 299-311.	0.6	120
3	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
4	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
5	AT ₁ receptor inhibition prevents astrocyte degeneration and restores vascular growth in oxygen-induced retinopathy. <i>Glia</i> , 2008, 56, 1076-1090.	2.5	88
6	Tear Interferon-Gamma as a Biomarker for Evaporative Dry Eye Disease. , 2016, 57, 4824.		61
7	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
8	Neuronal and glial cell expression of angiotensin II type 1 (AT1) and type 2 (AT2) receptors in the rat retina. <i>Neuroscience</i> , 2009, 161, 195-213.	1.1	56
9	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
10	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. <i>Documenta Ophthalmologica</i> , 2010, 120, 67-86.	1.0	53
11	An Evidence-Based Analysis of Australian Optometrists'™ Dry Eye Practices. <i>Optometry and Vision Science</i> , 2013, 90, 1385-1395.	0.6	48
12	Blue-light filtering intraocular lenses (IOLs) for protecting macular health. <i>The Cochrane Library</i> , 2018, 2018, CD011977.	1.5	46
13	Angiotensin type-1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. <i>Journal of Comparative Neurology</i> , 2010, 518, 41-63.	0.9	44
14	Omega-3 and omega-6 polyunsaturated fatty acids for dry eye disease. <i>The Cochrane Library</i> , 2019, 12, CD011016.	1.5	42
15	Decision making biases in the allied health professions: A systematic scoping review. <i>PLoS ONE</i> , 2020, 15, e0240716.	1.1	42
16	Intense pulsed light (IPL) therapy for the treatment of meibomian gland dysfunction. <i>The Cochrane Library</i> , 2020, 2020, CD013559.	1.5	38
17	Hypertensive retinopathy. <i>Journal of Hypertension</i> , 2013, 31, 960-965.	0.3	37
18	The Effects of Aging on Corneal and Ocular Surface Homeostasis in Mice. , 2019, 60, 2705.		37

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19	BCLA CLEAR - Anatomy and physiology of the anterior eye. Contact Lens and Anterior Eye, 2021, 44, 132-156.	0.8	37
20	A review of the role of glial cells in understanding retinal disease. Australasian journal of optometry, The, 2008, 91, 67-77.	0.6	36
21	Nutrition and Age-Related Macular Degeneration. Optometry and Vision Science, 2014, 91, 821-831.	0.6	36
22	Ocular <i>Demodex</i> : a systematic review of the clinical literature. Ophthalmic and Physiological Optics, 2020, 40, 389-432.	1.0	35
23	Corneal Epithelial "Neuromas" A Case of Mistaken Identity?. Cornea, 2020, 39, 930-934.	0.9	35
24	Psychometric Properties of the Keratoconus Outcomes Research Questionnaire: A Save Sight Keratoconus Registry Study. Cornea, 2020, 39, 303-310.	0.9	33
25	Corneal Reshaping Influences Myopic Prescription Stability (CRIMPS). Eye and Contact Lens, 2013, 39, 303-310.	0.8	31
26	Modulating Contact Lens Discomfort With Anti-Inflammatory Approaches: A Randomized Controlled Trial. , 2018, 59, 3755.		31
27	Analysis of a Systematic Review About Blue Light "Filtering Intraocular Lenses for Retinal Protection. JAMA Ophthalmology, 2019, 137, 694.	1.4	31
28	Comparing self-reported optometric dry eye clinical practices in Australia and the United Kingdom: is there scope for practice improvement?. Ophthalmic and Physiological Optics, 2016, 36, 140-151.	1.0	30
29	Tear film evaluation and management in soft contact lens wear: a systematic approach. Australasian journal of optometry, The, 2017, 100, 438-458.	0.6	29
30	A Pragmatic Approach to Dry Eye Diagnosis. Optometry and Vision Science, 2015, 92, 1189-1197.	0.6	28
31	Tear film inflammatory cytokine upregulation in contact lens discomfort. Ocular Surface, 2019, 17, 89-97.	2.2	28
32	Do Blue-blocking Lenses Reduce Eye Strain From Extended Screen Time? A Double-Masked Randomized Controlled Trial. American Journal of Ophthalmology, 2021, 226, 243-251.	1.7	28
33	Assessing ocular bulbar redness: a comparison of methods. Ophthalmic and Physiological Optics, 2016, 36, 132-139.	1.0	27
34	Oral Omega-3 Supplementation Lowers Intraocular Pressure in Normotensive Adults. Translational Vision Science and Technology, 2018, 7, 1.	1.1	27
35	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
36	Blue-light filtering ophthalmic lenses: to prescribe, or not to prescribe?. Ophthalmic and Physiological Optics, 2017, 37, 640-643.	1.0	26

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37	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
38	Topographical and Morphological Differences of Corneal Dendritic Cells during Steady State and Inflammation. <i>Ocular Immunology and Inflammation</i> , 2020, 28, 898-907.	1.0	26
39	Interventions for the Management of Computer Vision Syndrome. <i>Ophthalmology</i> , 2022, 129, 1192-1215.	2.5	25
40	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
41	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
42	Knowledge, perspectives and clinical practices of Australian optometrists in relation to childhood myopia. <i>Australasian journal of optometry, The</i> , 2020, 103, 155-166.	0.6	22
43	The Necessity for Ocular Assessment in Atopic Children: Bilateral Corneal Hydrops in an 8 Year Old. <i>Pediatrics</i> , 2014, 134, e596-e601.	1.0	21
44	Blue-light filtering intraocular lenses (IOLs) for protecting macular health. <i>The Cochrane Library</i> , 0, , .	1.5	21
45	An artificial tear containing flaxseed oil for treating dry eye disease: A randomized controlled trial. <i>Ocular Surface</i> , 2020, 18, 148-157.	2.2	21
46	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
47	Nutrition and Eye Health. <i>Nutrients</i> , 2019, 11, 2123.	1.7	20
48	Insights into Australian optometrists' knowledge and attitude towards prescribing blue light-blocking ophthalmic devices. <i>Ophthalmic and Physiological Optics</i> , 2019, 39, 194-204.	1.0	20
49	Omega-3 polyunsaturated fatty acid oral supplements for improving peripheral nerve health: a systematic review and meta-analysis. <i>Nutrition Reviews</i> , 2020, 78, 323-341.	2.6	20
50	Morphometric Changes to Corneal Dendritic Cells in Individuals With Mild Cognitive Impairment. <i>Frontiers in Neuroscience</i> , 2020, 14, 556137.	1.4	20
51	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
52	Monitoring of Strain-Dependent Responsiveness to TLR Activation in the Mouse Anterior Segment Using SD-OCT. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8189-8199.	3.3	19
53	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
54	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

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55	Color Vision Deficits in Intermediate Age-Related Macular Degeneration. <i>Optometry and Vision Science</i> , 2014, 91, 932-938.	0.6	18
56	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
57	Appraising the Quality of Systematic Reviews for Age-Related Macular Degeneration Interventions. <i>JAMA Ophthalmology</i> , 2018, 136, 1051.	1.4	17
58	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
59	The neuroregenerative effects of topical decorin on the injured mouse cornea. <i>Journal of Neuroinflammation</i> , 2020, 17, 142.	3.1	17
60	A Pragmatic Approach to the Management of Dry Eye Disease. <i>Optometry and Vision Science</i> , 2015, 92, 957-966.	0.6	16
61	Material, Immunological, and Practical Perspectives on Eye Drop Formulation. <i>Advanced Functional Materials</i> , 2020, 30, 1908476.	7.8	16
62	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
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	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
65	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
66	Tear Film Extensional Viscosity Is a Novel Potential Biomarker of Dry Eye Disease. <i>Ophthalmology</i> , 2019, 126, 1196-1198.	2.5	13
67	Predictive Value of Corneal Topography for ClearKone Hybrid Contact Lenses. <i>Optometry and Vision Science</i> , 2013, 90, e191-e197.	0.6	12
68	Contact Lens Evidence-Based Academic Reports (CLEAR). <i>Contact Lens and Anterior Eye</i> , 2021, 44, 129-131.	0.8	12
69	Citizen Science Models in Health Research: an Australian Commentary. <i>Online Journal of Public Health Informatics</i> , 2019, 11, e23.	0.4	12
70	Novel alterations in corneal neuroimmune phenotypes in mice with central nervous system tauopathy. <i>Journal of Neuroinflammation</i> , 2020, 17, 136.	3.1	11
71	Altered Corneal Epithelial Dendritic Cell Morphology and Phenotype Following Acute Exposure to Hyperosmolar Saline. , 2021, 62, 38.		11
72	Corneal Epithelial Dendritic Cell Response as a Putative Marker of Neuro-inflammation in Small Fiber Neuropathy. <i>Ocular Immunology and Inflammation</i> , 2020, 28, 898-907.	1.0	10

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73	Meibomian gland dropout is associated with immunodeficiency at HIV diagnosis: Implications for dry eye disease. <i>Ocular Surface</i> , 2020, 18, 206-213.	2.2	10
74	Accuracy of Laboratory Assays in Ophthalmic Practice. <i>JAMA Ophthalmology</i> , 2015, 133, 1480.	1.4	9
75	Longitudinal Changes to Tight Junction Expression and Endothelial Cell Integrity in a Mouse Model of Sterile Corneal Inflammation. , 2016, 57, 3477.		9
76	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
77	The Save Sight Keratoconus Registry â€œ Optometry Module: an opportunity to use real-world data to advance eye care. <i>Australasian journal of optometry, The</i> , 2022, 105, 96-99.	0.6	9
78	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
79	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
80	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
81	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
82	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
83	The personal nutritionâ€™related attitudes and behaviors of Australian optometrists: Is there evidence for an evidence-based approach?. <i>Nutrition</i> , 2015, 31, 669-677.	1.1	6
84	Clinical audit as an educative tool for optometrists: an intervention study in ageâ€™related macular degeneration. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 53-72.	1.0	6
85	Age-Related Macular Degeneration. <i>Optometry and Vision Science</i> , 2014, 91, 816-818.	0.6	5
86	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
87	Unilateral peripheral corneal ectasia following <sc>B</sc>ell's palsy. <i>Clinical and Experimental Ophthalmology</i> , 2014, 42, 794-796.	1.3	4
88	Optical coherence tomography: seeing the unseen. <i>Australasian journal of optometry, The</i> , 2019, 102, 193-194.	0.6	4
89	Blue-light filtering spectacle lenses for visual performance, sleep, and macular health in adults. <i>The Cochrane Library</i> , 0, , .	1.5	4
90	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

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91	Omega-3 polyunsaturated fatty acid supplementation for improving peripheral nerve health: protocol for a systematic review. <i>BMJ Open</i> , 2018, 8, e20804.	0.8	3
92	Tears and Contact Lenses. , 2019, , 97-116.		3
93	Are current ophthalmology clinical practices relating to blue lightâ€filtering intraocular lenses evidenceâ€based?. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 125-127.	1.3	3
94	Interventions for myopia control in children: a living systematic review and network meta-analysis. <i>The Cochrane Library</i> , 0, , .	1.5	3
95	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
96	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
97	Transiency of Fleischer's Rings in Forme-Fruste Keratoconus. <i>Ophthalmology</i> , 2013, 120, 1101-1101.e8.	2.5	2
98	Surgical interventions for infantile nystagmus syndrome. <i>The Cochrane Library</i> , 2021, 2021, CD013390.	1.5	2
99	Overnight corneal reshaping for the correction of childhood myopia: a single case study. <i>Australasian journal of optometry</i> , The, 2009, 92, 495-499.	0.6	1
100	Keratoconus. , 2018, , 251-262.e2.		1
101	Surgical interventions for infantile nystagmus syndrome. <i>The Cochrane Library</i> , 2019, , .	1.5	1
102	The Ida Mann 2020 special issue: Vision scientists breaking the glass ceiling. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 61-65.	1.0	1
103	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
104	Pointâ€ofâ€care tools to support optometric care provision to people with ageâ€related macular degeneration: A randomised, placeboâ€controlled trial. <i>Ophthalmic and Physiological Optics</i> , 2022, , .	1.0	1
105	Response to Re: Contact lens management of keratoconus. <i>Australasian journal of optometry</i> , The, 2016, 99, 95-95.	0.6	0
106	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
107	27â€...Transforming evidence-based practice with crowdcare: crowdsourcing critical appraisal of research evidence. , 2018, , .		0
108	39â€...Effect of an EBP learning program on confidence and competence in EBP. , 2019, , .		0

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109	Migraine Screening in Primary Eye Care Practice: Current Behaviors and the Impact of Clinician Education. <i>Headache</i> , 2020, 60, 1817-1829.	1.8	0
110	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
111	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
112	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
113	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0
114	Decision making biases in the allied health professions: A systematic scoping review. , 2020, 15, e0240716.		0