

Lauren N Ayton

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,645
citations

331538

21
h-index

265120

42
g-index

72
all docs

72
docs citations

72
times ranked

2083
citing authors

#	ARTICLE	IF	CITATIONS
1	First-in-Human Trial of a Novel Suprachoroidal Retinal Prosthesis. PLoS ONE, 2014, 9, e115239.	1.1	274
2	Optical Coherence Tomographyâ€“Defined Changes Preceding the Development of Drusen-Associated Atrophy in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 2415-2422.	2.5	203
3	Reticular Pseudodrusen. Ophthalmology, 2014, 121, 1252-1256.	2.5	146
4	An update on retinal prostheses. Clinical Neurophysiology, 2020, 131, 1383-1398.	0.7	116
5	Factors Affecting Perceptual Thresholds in a Suprachoroidal Retinal Prosthesis. , 2014, 55, 6467.		115
6	Intrasession Testâ€“Retest Variability of Microperimetry in Age-Related Macular Degeneration. , 2013, 54, 7378.		108
7	A Wide-Field Suprachoroidal Retinal Prosthesis Is Stable and Well Tolerated Following Chronic Implantation. , 2013, 54, 3751.		103
8	Choroidal thickness profiles in retinitis pigmentosa. Clinical and Experimental Ophthalmology, 2013, 41, 396-403.	1.3	77
9	Advances in implantable bionic devices for blindness: a review. ANZ Journal of Surgery, 2016, 86, 654-659.	0.3	77
10	Low-Luminance Visual Acuity and Microperimetry in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1612-1619.	2.5	76
11	Longitudinal Changes in Microperimetry and Low Luminance Visual Acuity in Age-Related Macular Degeneration. JAMA Ophthalmology, 2015, 133, 442.	1.4	73
12	Relationship between Retinal Microstructures on Optical Coherence Tomography and Microperimetry in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1445-1452.	2.5	69
13	Developmental Eye Movement Test: What is it Really Measuring?. Optometry and Vision Science, 2009, 86, 722-730.	0.6	57
14	Reticular Pseudodrusen in Intermediate Age-Related Macular Degeneration: Prevalence, Detection, Clinical, Environmental, and Genetic Associations. , 2016, 57, 1310.		57
15	Fundus Autofluorescence Characteristics of Nascent Geographic Atrophy in Age-Related Macular Degeneration. Investigative Ophthalmology and Visual Science, 2015, 56, 1546-1552.	3.3	55
16	Gene therapy for inherited retinal diseases: progress and possibilities. Australasian journal of optometry, The, 2021, 104, 444-454.	0.6	53
17	The Appearance of Phosphenes Elicited Using a Suprachoroidal Retinal Prosthesis. , 2016, 57, 4948.		51
18	Assessment of Retinotopic Rod Photoreceptor Function Using a Dark-Adapted Chromatic Perimeter in Intermediate Age-Related Macular Degeneration. , 2016, 57, 5436.		48

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19	Microperimetry of Nascent Geographic Atrophy in Age-Related Macular Degeneration. Investigative Ophthalmology and Visual Science, 2015, 56, 115-121.	3.3	47
20	Relationship Between the Second Reflective Band on Optical Coherence Tomography and Multifocal Electroretinography in Age-Related Macular Degeneration. , 2013, 54, 2800.		46
21	Longitudinal Associations Between Microstructural Changes and Microperimetry in the Early Stages of Age-Related Macular Degeneration. , 2016, 57, 3714.		46
22	Development of a surgical procedure for implantation of a prototype suprachoroidal retinal prosthesis. Clinical and Experimental Ophthalmology, 2014, 42, 665-674.	1.3	44
23	Chronic Electrical Stimulation with a Suprachoroidal Retinal Prosthesis: A Preclinical Safety and Efficacy Study. PLoS ONE, 2014, 9, e97182.	1.1	44
24	Developing the Impact of Vision Impairmentâ€“Very Low Vision (IVI-VLV) Questionnaire as Part of the LoVADA Protocol. , 2014, 55, 6150.		43
25	Impact of Reticular Pseudodrusen on Microperimetry and Multifocal Electroretinography in Intermediate Age-Related Macular Degeneration. , 2015, 56, 2100.		43
26	Comparison Between Multifocal Electroretinography and Microperimetry in Age-Related Macular Degeneration. , 2014, 55, 6431.		41
27	Testâ€“Retest Repeatability of Microperimetry at the Border of Deep Scotomas. , 2015, 56, 2606.		41
28	Harmonization of Outcomes and Vision Endpoints in Vision Restoration Trials: Recommendations from the International HOVER Taskforce. Translational Vision Science and Technology, 2020, 9, 25.	1.1	41
29	Vision function testing for a suprachoroidal retinal prosthesis: effects of image filtering. Journal of Neural Engineering, 2016, 13, 036013.	1.8	35
30	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Interim Clinical Trial Results. Translational Vision Science and Technology, 2021, 10, 12.	1.1	28
31	Developing an Instrumental Activities of Daily Living Tool as Part of the Low Vision Assessment of Daily Activities Protocol. Investigative Ophthalmology and Visual Science, 2014, 55, 8458-8466.	3.3	27
32	Second Reflective Band Intensity in Age-related Macular Degeneration. Ophthalmology, 2013, 120, 1307-1308.e1.	2.5	24
33	Static and Flicker Perimetry in Age-Related Macular Degeneration. , 2013, 54, 3560.		22
34	Measurement of Retinal Sensitivity on Tablet Devices in Age-Related Macular Degeneration. Translational Vision Science and Technology, 2015, 4, 13.	1.1	22
35	Determining the Contribution of Retinotopic Discrimination to Localization Performance With a Suprachoroidal Retinal Prosthesis. , 2017, 58, 3231.		22
36	The safety and efficacy of gene therapy treatment for monogenic retinal and optic nerve diseases: A systematic review. Genetics in Medicine, 2022, 24, 521-534.	1.1	20

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37	Developing a Very Low Vision Orientation and Mobility Test Battery (O&M-VLV). <i>Optometry and Vision Science</i> , 2016, 93, 1127-1136.	0.6	19
38	Progress in the clinical development and utilization of vision prostheses: an update. <i>Eye and Brain</i> , 2016, 8, 15.	3.8	18
39	Psychophysical testing of visual prosthetic devices: a call to establish a multi-national joint task force. <i>Journal of Neural Engineering</i> , 2014, 11, 020301.	1.8	14
40	Assessing Residual Visual Function in Severe Vision Loss. , 2014, 55, 1332.		14
41	Changes in saccadic eye movement and memory function after mild closed head injury in children. <i>Developmental Medicine and Child Neurology</i> , 2014, 56, 337-345.	1.1	14
42	The association of neutrophilâ€“lymphocyte ratio and plateletâ€“lymphocyte ratio with retinal vein occlusion: a systematic review and metaâ€“analysis. <i>Acta Ophthalmologica</i> , 2022, 100, .	0.6	14
43	Charles Bonnet Syndrome in Advanced Retinitis Pigmentosa. <i>Ophthalmology</i> , 2015, 122, 1951-1953.	2.5	13
44	Safety and efficacy of explanting or replacing suprachoroidal electrode arrays in a feline model. <i>Clinical and Experimental Ophthalmology</i> , 2015, 43, 247-258.	1.3	12
45	Optometry Australia's chairside reference for the diagnosis and management of ageâ€“related macular degeneration. <i>Australasian journal of optometry</i> , The, 2020, 103, 254-264.	0.6	12
46	Oculomotor Responses to Dynamic Stimuli in a 44-Channel Suprachoroidal Retinal Prosthesis. <i>Translational Vision Science and Technology</i> , 2020, 9, 31.	1.1	12
47	Victorian evolution of inherited retinal diseases natural history registry (<sc>VENTURE</sc>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Ophthalmology</i> , 2022, 50, 768-780.	1.3	12
48	Functional Vision in the Real-World Environment With a Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis. <i>Translational Vision Science and Technology</i> , 2021, 10, 7.	1.1	10
49	Optical Coherence Tomographyâ€“Guided Retinal Prosthesis Design: Model of Degenerated Retinal Curvature and Thickness for Patientâ€“Specific Devices. <i>Artificial Organs</i> , 2014, 38, E82-94.	1.0	9
50	Genetic Testing of Inherited Retinal Disease in Australian Private Tertiary Ophthalmology Practice. <i>Clinical Ophthalmology</i> , 2022, Volume 16, 1127-1138.	0.9	7
51	Head and Gaze Behavior in Retinitis Pigmentosa. , 2019, 60, 2263.		6
52	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
53	Intereye Symmetry in Bietti Crystalline Dystrophy. <i>American Journal of Ophthalmology</i> , 2022, 235, 313-325.	1.7	6
54	Effective mobility framework: A tool for designing comprehensive O&M outcomes research. <i>International Journal of Orientation and Mobility</i> , 2017, 7, 74-86.	0.2	6

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55	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Long-Term Observation of the Electrode-Tissue Interface. <i>Translational Vision Science and Technology</i> , 2022, 11, 12.	1.1	6
56	Rasch Analysis of the Independent Mobility Questionnaire. <i>Optometry and Vision Science</i> , 2016, 93, 181-187.	0.6	5
57	Psychosocial assessment of potential retinal prosthesis trial participants. <i>Australasian journal of optometry, The</i> , 2019, 102, 506-512.	0.6	5
58	Sensory augmentation to aid training with retinal prostheses. <i>Journal of Neural Engineering</i> , 2020, 17, 045001.	1.8	5
59	Visual Prostheses: <i>Neuroengineering Handbook</i> . , 2021, , 1-46.		5
60	Measurement Properties of the Attitudes to Gene Therapy for the Eye (AGT-Eye) Instrument for People With Inherited Retinal Diseases. <i>Translational Vision Science and Technology</i> , 2022, 11, 14.	1.1	5
61	Suprachoroidal Retinal Prostheses. , 2017, , 125-138.		4
62	Image processing for visual prostheses: A clinical perspective. , 2013, , .		3
63	An optometrist's guide to the top candidate inherited retinal diseases for gene therapy. <i>Australasian journal of optometry, The</i> , 2021, 104, 431-443.	0.6	3
64	The Clinical Use of Vernier Acuity: Resolution of the Visual Cortex Is More Than Meets the Eye. <i>Frontiers in Neuroscience</i> , 2021, 15, 714843.	1.4	2
65	Assessing Patient Suitability and Outcome Measures in Vision Restoration Trials. , 2017, , 3-8.		2
66	Author reply. <i>Ophthalmology</i> , 2015, 122, e53-e54.	2.5	1
67	Development and Experimental Basis for the Future of Prosthetic Vision. , 2020, , 449-462.		1
68	The importance of multidisciplinary collaborations in the future of bionic vision. <i>Expert Review of Ophthalmology</i> , 2013, 8, 9-11.	0.3	0
69	Bionic Eyes: Vision Restoration Through Electronic or Photovoltaic Stimulation. <i>Pancreatic Islet Biology</i> , 2014, , 257-273.	0.1	0
70	Prosthetic Vision, Assessment. , 2014, , 1-5.		0
71	Prosthetic Vision, Assessment. , 2015, , 2519-2522.		0