Lauren N Ayton

List of Publications by Year
in descending order

71 papers	2,645 citations	331670 21 h-index	265206 42 g-index
72 all docs	72 docs citations	72 times ranked	2083 citing authors

#	Article	IF	Citations
1	Intereye Symmetry in Bietti Crystalline Dystrophy. American Journal of Ophthalmology, 2022, 235, 313-325.	3.3	6
2	The association of neutrophilâ€"lymphocyte ratio and plateletâ€"lymphocyte ratio with retinal vein occlusion: a systematic review and metaâ€analysis. Acta Ophthalmologica, 2022, 100, .	1.1	14
3	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.	2.4	20
4	Measurement Properties of the Attitudes to Gene Therapy for the Eye (AGT-Eye) Instrument for People With Inherited Retinal Diseases. Translational Vision Science and Technology, 2022, 11, 14.	2.2	5
5	Genetic Testing of Inherited Retinal Disease in Australian Private Tertiary Ophthalmology Practice. Clinical Ophthalmology, 2022, Volume 16, 1127-1138.	1.8	7
6	Victorian evolution of inherited retinal diseases natural history registry (<scp>VENTURE</scp>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Ophthalmology, 2022, 50, 768-780.	2.6	12
7	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Long-Term Observation of the Electrodeâ€"Tissue Interface. Translational Vision Science and Technology, 2022, 11, 12.	2.2	6
8	Clinical audit as an educative tool for optometrists: an intervention study in ageâ€related macular degeneration. Ophthalmic and Physiological Optics, 2021, 41, 53-72.	2.0	6
9	Visual Prostheses: Neuroengineering Handbook. , 2021, , 1-46.		5
10	An optometristâ€™s guide to the top candidate inherited retinal diseases for gene therapy. Australasian journal of optometry, The, 2021, 104, 431-443.	1.3	3
11	Gene therapy for inherited retinal diseases: progress and possibilities. Australasian journal of optometry, The, 2021, 104, 444-454.	1.3	53
12	Functional Vision in the Real-World Environment With a Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis. Translational Vision Science and Technology, 2021, 10, 7.	2.2	10
13	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Interim Clinical Trial Results. Translational Vision Science and Technology, 2021, 10, 12.	2.2	28
14	The Clinical Use of Vernier Acuity: Resolution of the Visual Cortex Is More Than Meets the Eye. Frontiers in Neuroscience, 2021, 15, 714843.	2.8	2
15	Optometry Australia's chairside reference for the diagnosis and management of ageâ€related macular degeneration. Australasian journal of optometry, The, 2020, 103, 254-264.	1.3	12
16	An update on retinal prostheses. Clinical Neurophysiology, 2020, 131, 1383-1398.	1.5	116
17	Harmonization of Outcomes and Vision Endpoints in Vision Restoration Trials: Recommendations from the International HOVER Taskforce. Translational Vision Science and Technology, 2020, 9, 25.	2.2	41
18	Sensory augmentation to aid training with retinal prostheses. Journal of Neural Engineering, 2020, 17, 045001.	3.5	5

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19	Development and Experimental Basis for the Future of Prosthetic Vision. , 2020, , 449-462.		1
20	Oculomotor Responses to Dynamic Stimuli in a 44-Channel Suprachoroidal Retinal Prosthesis. Translational Vision Science and Technology, 2020, 9, 31.	2.2	12
21	Head and Gaze Behavior in Retinitis Pigmentosa. , 2019, 60, 2263.		6
22	Psychosocial assessment of potential retinal prosthesis trial participants. Australasian journal of optometry, The, 2019, 102, 506-512.	1.3	5
23	Determining the Contribution of Retinotopic Discrimination to Localization Performance With a Suprachoroidal Retinal Prosthesis. , 2017, 58, 3231.		22
24	Suprachoroidal Retinal Prostheses. , 2017, , 125-138.		4
25	Effective mobility framework: A tool for designing comprehensive O&M outcomes research. International Journal of Orientation and Mobility, 2017, 7, 74-86.	0.2	6
26	Assessing Patient Suitability and Outcome Measures in Vision Restoration Trials. , 2017, , 3-8.		2
27	The Appearance of Phosphenes Elicited Using a Suprachoroidal Retinal Prosthesis. , 2016, 57, 4948.		51
28	Progress in the clinical development and utilization of vision prostheses: an update. Eye and Brain, 2016, 8, 15.	2.5	18
29	Longitudinal Associations Between Microstructural Changes and Microperimetry in the Early Stages of Age-Related Macular Degeneration. , 2016, 57, 3714.		46
30	Assessment of Retinotopic Rod Photoreceptor Function Using a Dark-Adapted Chromatic Perimeter in Intermediate Age-Related Macular Degeneration. , 2016, 57, 5436.		48
31	Reticular Pseudodrusen in Intermediate Age-Related Macular Degeneration: Prevalence, Detection, Clinical, Environmental, and Genetic Associations. , 2016, 57, 1310.		57
32	Rasch Analysis of the Independent Mobility Questionnaire. Optometry and Vision Science, 2016, 93, 181-187.	1.2	5
33	Advances in implantable bionic devices for blindness: a review. ANZ Journal of Surgery, 2016, 86, 654-659.	0.7	77
34	Vision function testing for a suprachoroidal retinal prosthesis: effects of image filtering. Journal of Neural Engineering, 2016, 13, 036013.	3.5	35
35	Developing a Very Low Vision Orientation and Mobility Test Battery (O&M-VLV). Optometry and Vision Science, 2016, 93, 1127-1136.	1.2	19
36	Measurement of Retinal Sensitivity on Tablet Devices in Age-Related Macular Degeneration. Translational Vision Science and Technology, 2015, 4, 13.	2.2	22

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37	Impact of Reticular Pseudodrusen on Microperimetry and Multifocal Electroretinography in Intermediate Age-Related Macular Degeneration. , 2015, 56, 2100.		43
38	Testâ€"Retest Repeatability of Microperimetry at the Border of Deep Scotomas. , 2015, 56, 2606.		41
39	Longitudinal Changes in Microperimetry and Low Luminance Visual Acuity in Age-Related Macular Degeneration. JAMA Ophthalmology, 2015, 133, 442.	2.5	73
40	Author reply. Ophthalmology, 2015, 122, e53-e54.	5.2	1
41	Fundus Autofluorescence Characteristics of Nascent Geographic Atrophy in Age-Related Macular Degeneration. Investigative Ophthalmology and Visual Science, 2015, 56, 1546-1552.	3.3	55
42	Microperimetry of Nascent Geographic Atrophy in Age-Related Macular Degeneration. Investigative Ophthalmology and Visual Science, 2015, 56, 115-121.	3.3	47
43	Charles Bonnet Syndrome in Advanced Retinitis Pigmentosa. Ophthalmology, 2015, 122, 1951-1953.	5.2	13
44	Safety and efficacy of explanting or replacing suprachoroidal electrode arrays in a feline model. Clinical and Experimental Ophthalmology, 2015, 43, 247-258.	2.6	12
45	Prosthetic Vision, Assessment. , 2015, , 2519-2522.		0
46	Developing the Impact of Vision Impairmentâ€"Very Low Vision (IVI-VLV) Questionnaire as Part of the LoVADA Protocol. , 2014, 55, 6150.		43
47	Psychophysical testing of visual prosthetic devices: a call to establish a multi-national joint task force. Journal of Neural Engineering, 2014, 11, 020301.	3.5	14
48	Comparison Between Multifocal Electroretinography and Microperimetry in Age-Related Macular Degeneration. , 2014, 55, 6431.		41
49	Optical Coherence Tomographyâ€Guided Retinal Prosthesis Design: Model of Degenerated Retinal Curvature and Thickness for Patientâ€Specific Devices. Artificial Organs, 2014, 38, E82-94.	1.9	9
50	Bionic Eyes: Vision Restoration Through Electronic or Photovoltaic Stimulation. Pancreatic Islet Biology, 2014, , 257-273.	0.3	0
51	Assessing Residual Visual Function in Severe Vision Loss. , 2014, 55, 1332.		14
52	First-in-Human Trial of a Novel Suprachoroidal Retinal Prosthesis. PLoS ONE, 2014, 9, e115239.	2.5	274
53	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
54	Reticular Pseudodrusen. Ophthalmology, 2014, 121, 1252-1256.	5.2	146

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55	Factors Affecting Perceptual Thresholds in a Suprachoroidal Retinal Prosthesis. , 2014, 55, 6467.		115
56	Development of a surgical procedure for implantation of a prototype suprachoroidal retinal prosthesis. Clinical and Experimental Ophthalmology, 2014, 42, 665-674.	2.6	44
57	Optical Coherence Tomographyâ€"Defined Changes Preceding the Development of Drusen-Associated Atrophy in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 2415-2422.	5.2	203
58	Low-Luminance Visual Acuity and Microperimetry in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1612-1619.	5.2	76
59	Relationship between Retinal Microstructures on Optical Coherence Tomography and Microperimetry in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1445-1452.	5.2	69
60	Changes in saccadic eye movement and memory function after mild closed head injury in children. Developmental Medicine and Child Neurology, 2014, 56, 337-345.	2.1	14
61	Chronic Electrical Stimulation with a Suprachoroidal Retinal Prosthesis: A Preclinical Safety and Efficacy Study. PLoS ONE, 2014, 9, e97182.	2.5	44
62	Prosthetic Vision, Assessment. , 2014, , 1-5.		0
63	Second Reflective Band Intensity in Age-related Macular Degeneration. Ophthalmology, 2013, 120, 1307-1308.e1.	5.2	24
64	Image processing for visual prostheses: A clinical perspective. , 2013, , .		3
65	The importance of multidisciplinary collaborations in the future of bionic vision. Expert Review of Ophthalmology, 2013, 8, 9-11.	0.6	0
66	Intrasession Testâ€"Retest Variability of Microperimetry in Age-Related Macular Degeneration. , 2013, 54, 7378.		108
67	Choroidal thickness profiles in retinitis pigmentosa. Clinical and Experimental Ophthalmology, 2013, 41, 396-403.	2.6	77
68	Relationship Between the Second Reflective Band on Optical Coherence Tomography and Multifocal Electroretinography in Age-Related Macular Degeneration. , 2013, 54, 2800.		46
69	Static and Flicker Perimetry in Age-Related Macular Degeneration. , 2013, 54, 3560.		22
70	A Wide-Field Suprachoroidal Retinal Prosthesis Is Stable and Well Tolerated Following Chronic Implantation. , 2013, 54, 3751.		103
71	Developmental Eye Movement Test: What is it Really Measuring?. Optometry and Vision Science, 2009, 86, 722-730.	1.2	57