

Peter van Wijngaarden

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

4,480
citations

236925

25
h-index

114465

63
g-index

78
all docs

78
docs citations

78
times ranked

6307
citing authors

#	ARTICLE	IF	CITATIONS
1	M2 microglia and macrophages drive oligodendrocyte differentiation during CNS remyelination. <i>Nature Neuroscience</i> , 2013, 16, 1211-1218.	14.8	1,357
2	Rejuvenation of Regeneration in the Aging Central Nervous System. <i>Cell Stem Cell</i> , 2012, 10, 96-103.	11.1	552
3	Metformin Restores CNS Remyelination Capacity by Rejuvenating Aged Stem Cells. <i>Cell Stem Cell</i> , 2019, 25, 473-485.e8.	11.1	245
4	Inhibitors of Ocular Neovascularization. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 1509.	7.4	211
5	Non-invasive in vivo hyperspectral imaging of the retina for potential biomarker use in Alzheimer's disease. <i>Nature Communications</i> , 2019, 10, 4227.	12.8	157
6	Diabetic retinopathy: a complex pathophysiology requiring novel therapeutic strategies. <i>Expert Opinion on Biological Therapy</i> , 2018, 18, 1257-1270.	3.1	122
7	Vitamin D receptor-retinoid X receptor heterodimer signaling regulates oligodendrocyte progenitor cell differentiation. <i>Journal of Cell Biology</i> , 2015, 211, 975-985.	5.2	118
8	Improvement in inner retinal function in glaucoma with nicotinamide (vitamin B3) supplementation: A crossover randomized clinical trial. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 903-914.	2.6	108
9	Pericytes Stimulate Oligodendrocyte Progenitor Cell Differentiation during CNS Remyelination. <i>Cell Reports</i> , 2017, 20, 1755-1764.	6.4	100
10	A survey of clinicians on the use of artificial intelligence in ophthalmology, dermatology, radiology and radiation oncology. <i>Scientific Reports</i> , 2021, 11, 5193.	3.3	91
11	Retinal imaging in Alzheimer's and neurodegenerative diseases. <i>Alzheimer's and Dementia</i> , 2021, 17, 103-111.	0.8	89
12	The coma in glaucoma: Retinal ganglion cell dysfunction and recovery. <i>Progress in Retinal and Eye Research</i> , 2018, 65, 77-92.	15.5	75
13	Exercise reverses age-related vulnerability of the retina to injury by preventing complement-mediated synapse elimination via a BDNF-dependent pathway. <i>Aging Cell</i> , 2016, 15, 1082-1091.	6.7	64
14	The Prevalence and Causes of Vision Loss in Indigenous and Non-Indigenous Australians. <i>Ophthalmology</i> , 2017, 124, 1743-1752.	5.2	63
15	Inhibitors of vascular endothelial growth factor (VEGF) in the management of neovascular age-related macular degeneration: a review of current practice. <i>Australasian journal of optometry</i> , 2008, 91, 427-437.	1.3	60
16	The Prevalence of Diabetic Retinopathy in Australian Adults with Self-Reported Diabetes. <i>Ophthalmology</i> , 2017, 124, 977-984.	5.2	60
17	Prevalence of glaucoma in the Australian National Eye Health Survey. <i>British Journal of Ophthalmology</i> , 2019, 103, 191-195.	3.9	56
18	Genetic susceptibility to retinopathy of prematurity: the evidence from clinical and experimental animal studies. <i>British Journal of Ophthalmology</i> , 2007, 91, 1704-1708.	3.9	52

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19	Glial Cells in Glaucoma: Friends, Foes, and Potential Therapeutic Targets. <i>Frontiers in Neurology</i> , 2021, 12, 624983.	2.4	50
20	Involvement of Nox2 NADPH Oxidase in Retinal Neovascularization. , 2013, 54, 7061.		48
21	Emerging ocular biomarkers of Alzheimer disease. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 54-61.	2.6	46
22	Ageing stem and progenitor cells: implications for rejuvenation of the central nervous system. <i>Development (Cambridge)</i> , 2013, 140, 2562-2575.	2.5	42
23	Strain-Dependent Differences in Oxygen-Induced Retinopathy in the Inbred Rat. , 2005, 46, 1445.		41
24	Adherence to diabetic eye examination guidelines in Australia: the National Eye Health Survey. <i>Medical Journal of Australia</i> , 2017, 206, 402-406.	1.7	40
25	Impact of the COVID-19 pandemic and lockdown restrictions on psychosocial and behavioural outcomes among Australian adults with type 2 diabetes: Findings from the PREDICT cohort study. <i>Diabetic Medicine</i> , 2021, 38, e14611.	2.3	36
26	Gene therapy for diabetic retinopathy: Are we ready to make the leap from bench to bedside?. , 2017, 173, 1-18.		34
27	Prevalence of Age-Related Macular Degeneration in Australia. <i>JAMA Ophthalmology</i> , 2017, 135, 1242.	2.5	34
28	Public Attitudes toward Gene Therapy in China. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 6, 40-42.	4.1	28
29	Amyloid precursor protein-mediated mitochondrial regulation and Alzheimer's disease. <i>British Journal of Pharmacology</i> , 2019, 176, 3464-3474.	5.4	28
30	Longitudinal changes in global cataract surgery rate inequality and associations with socioeconomic indices. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 453-460.	2.6	26
31	The validity of self-report of eye diseases in participants with vision loss in the National Eye Health Survey. <i>Scientific Reports</i> , 2017, 7, 8757.	3.3	25
32	Prevalence and Causes of Visual Loss Among the Indigenous Peoples of the World. <i>JAMA Ophthalmology</i> , 2018, 136, 567.	2.5	24
33	Metabolic pathways in context: mTOR signalling in the retina and optic nerve - A review. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1072-1084.	2.6	24
34	Genetic Influences on Susceptibility to Oxygen-Induced Retinopathy. , 2007, 48, 1761.		22
35	The AppNL-G-F mouse retina is a site for preclinical Alzheimer's disease diagnosis and research. <i>Acta Neuropathologica Communications</i> , 2021, 9, 6.	5.2	22
36	Kinetics of strain-dependent differential gene expression in oxygen-induced retinopathy in the rat. <i>Experimental Eye Research</i> , 2007, 85, 508-517.	2.6	21

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37	Cataract surgery coverage rates for Indigenous and non-Indigenous Australians: the National Eye Health Survey. <i>Medical Journal of Australia</i> , 2017, 207, 256-261.	1.7	19
38	A Comparison of the RETeval Sensor Strip and DTL Electrode for Recording the Photopic Negative Response. <i>Translational Vision Science and Technology</i> , 2018, 7, 27.	2.2	19
39	NADPH oxidase 2 plays a role in experimental corneal neovascularization. <i>Clinical Science</i> , 2016, 130, 683-696.	4.3	18
40	Sampling methodology and site selection in the National Eye Health Survey: an Australian population-based prevalence study. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 336-347.	2.6	18
41	Recruitment and Testing Protocol in the National Eye Health Survey: A Population-Based Eye Study in Australia. <i>Ophthalmic Epidemiology</i> , 2017, 24, 353-363.	1.7	17
42	Prevalence of retinal vein occlusion in the Australian National Eye Health Survey. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 260-265.	2.6	16
43	The eye in AI: artificial intelligence in ophthalmology. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 5-6.	2.6	16
44	The Prevalence of Self-Reported Diabetes in the Australian National Eye Health Survey. <i>PLoS ONE</i> , 2017, 12, e0169211.	2.5	15
45	Physical inactivity as a risk factor for diabetic retinopathy? A review. <i>Clinical and Experimental Ophthalmology</i> , 2014, 42, 574-581.	2.6	14
46	Retinal imaging biomarkers of neurodegenerative diseases. <i>Australasian journal of optometry</i> , The, 2022, 105, 194-204.	1.3	14
47	Early worsening of diabetic retinopathy due to intensive glycaemic control. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 265-273.	2.6	13
48	A biocompatible reverse thermoresponsive polymer for ocular drug delivery. <i>Drug Delivery</i> , 2019, 26, 343-353.	5.7	12
49	Hyporeflective Cores within Drusen. <i>Ophthalmology Retina</i> , 2022, 6, 284-290.	2.4	12
50	Future burden of vision loss in Australia: Projections from the National Eye Health Survey. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 730-738.	2.6	11
51	A short term high-fat high-sucrose diet in mice impairs optic nerve recovery after injury and this is not reversed by exercise. <i>Experimental Eye Research</i> , 2017, 162, 104-109.	2.6	10
52	Short-Term Changes in the Photopic Negative Response Following Intraocular Pressure Lowering in Glaucoma. , 2020, 61, 16.		10
53	Lung and Eye Disease Develop Concurrently in Supplemental Oxygen-Exposed Neonatal Mice. <i>American Journal of Pathology</i> , 2020, 190, 1801-1812.	3.8	9
54	Ophthalmology and the emergence of artificial intelligence. <i>Medical Journal of Australia</i> , 2021, 214, 155.	1.7	9

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55	Prevalence and associations of epiretinal membranes in the Australian National Eye Health Survey. <i>Acta Ophthalmologica</i> , 2017, 95, e796-e798.	1.1	7
56	The immunological link between neonatal lung and eye disease. <i>Clinical and Translational Immunology</i> , 2021, 10, e1322.	3.8	7
57	Hereditary influences in oxygen-induced retinopathy in the rat. <i>Documenta Ophthalmologica</i> , 2010, 120, 87-97.	2.2	5
58	Prevalence of trichomatous trichiasis in Australia: the National Eye Health Survey. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 13-17.	2.6	5
59	Participant referral rate in the National Eye Health Survey (NEHS). <i>PLoS ONE</i> , 2017, 12, e0174867.	2.5	5
60	The MOLES system to guide the management of melanocytic choroidal tumours: can optometrists apply it?. <i>Australasian journal of optometry</i> , The, 2023, 106, 271-275.	1.3	4
61	Cataract surgical patients as a candidate sentinel population for SARS-CoV-2 surveillance. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1316-1318.	2.6	3
62	Estimating malignancy risk of melanocytic choroidal tumours detected in the Australian National Eye Health Survey. <i>Australasian journal of optometry</i> , The, 2021, 104, 854-858.	1.3	3
63	An Experimental Model of Bronchopulmonary Dysplasia Features Long-Term Retinal and Pulmonary Defects but Not Sustained Lung Inflammation. <i>Frontiers in Pediatrics</i> , 2021, 9, 689699.	1.9	3
64	An Integrative Multi-Omics Analysis Reveals MicroRNA-143 as Potential Therapeutics to Attenuate Retinal Angiogenesis. <i>Nucleic Acid Therapeutics</i> , 2022, , .	3.6	3
65	Exposure to cyclic oxygen sufficient for development of oxygen-induced retinopathy does not induce bronchopulmonary dysplasia in rats. <i>Experimental Lung Research</i> , 2010, 36, 175-182.	1.2	2
66	Sociodemographic factors and utilization of eye care services: is there an association with patients presenting to a tertiary referral hospital in acute angle-closure?. <i>Clinical and Experimental Ophthalmology</i> , 2013, 41, 56-62.	2.6	2
67	Vitreectomy as an Aerosol-Generating Procedure in the Time of COVID-19. <i>Ophthalmology Retina</i> , 2021, 5, 97-99.	2.4	2
68	Glaucoma neurorecovery â€“ a sugar-coated road to retinal ganglion cell recovery. <i>Clinical and Experimental Ophthalmology</i> , 2016, 44, 6-7.	2.6	1
69	Personality and Total Health Through Life Project Eye Substudy: Methodology and Baseline Retinal Features. <i>Asia-Pacific Journal of Ophthalmology</i> , 2017, 6, 450-455.	2.5	1
70	Vision loss in Indigenous peoples of the world: a systematic review protocol. <i>JBI Database of Systematic Reviews and Implementation Reports</i> , 2018, 16, 260-268.	1.7	1
71	A retinal hyperspectral imaging biomarker for Alzheimer's disease: Preliminary study of the influence of eye diseases on imaging scores. <i>Alzheimer's and Dementia</i> , 2020, 16, e046625.	0.8	1
72	Future advances in the management of diabetic retinopathy. , 2017, , 219-227.		0

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73	Imaging techniques in diabetic retinopathy. , 2017, , 54-85.		0
74	More than meets the eye: an association between diet soft drink consumption and proliferative diabetic retinopathy. Clinical and Experimental Ophthalmology, 2018, 46, 719-720.	2.6	0
75	The Case for Extended Screening Intervals for People With Diabetes and No or Minimal Retinopathy at Baseline. JAMA Ophthalmology, 2019, 137, 449.	2.5	0
76	OCT biomarkers of neurodegenerative diseases â€“ reading the tea leaves or seeing the truth?. Australasian journal of optometry, The, 0, , 1-2.	1.3	0