Gerald Liew

List of Publications by Citations

119 papers	4,746 citations	32 h-index	68 g-index
124 ext. papers	6,032 ext. citations	5.2 avg, IF	5.59 L-index

#	Paper	IF	Citations
119	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. *Nature Genetics*, **2016**, 48, 134-43	36.3	769
118	Age-related macular degeneration. *Lancet, The*, **2018**, 392, 1147-1159	40	455
117	A comparison of the causes of blindness certifications in England and Wales in working age adults (16-64 years), 1999-2000 with 2009-2010. *BMJ Open*, **2014**, 4, e004015	3	313
116	Prediction of incident stroke events based on retinal vessel caliber: a systematic review and individual-participant meta-analysis. *American Journal of Epidemiology*, **2009**, 170, 1323-32	3.8	237
115	Retinal vessel diameter and cardiovascular mortality: pooled data analysis from two older populations. *European Heart Journal*, **2007**, 28, 1984-92	9.5	236
114	Meta-analysis: retinal vessel caliber and risk for coronary heart disease. *Annals of Internal Medicine*, **2009**, 151, 404-13	8	214
113	Retinal vascular imaging: a new tool in microvascular disease research. *Circulation: Cardiovascular Imaging*, **2008**, 1, 156-61	3.9	213
112	The retinal vasculature as a fractal: methodology, reliability, and relationship to blood pressure. *Ophthalmology*, **2008**, 115, 1951-6	7.3	138
111	Measurement of retinal vascular caliber: issues and alternatives to using the arteriole to venule ratio. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 52-7		126
110	Retinal microvasculature in acute lacunar stroke: a cross-sectional study. *Lancet Neurology, The*, **2009**, 8, 628-34	24.1	123
109	Automated Diabetic Retinopathy Image Assessment Software: Diagnostic Accuracy and Cost-Effectiveness Compared with Human Graders. *Ophthalmology*, **2017**, 124, 343-351	7.3	110
108	Lutein and Zeaxanthin-Food Sources, Bioavailability and Dietary Variety in Age-Related Macular Degeneration Protection. *Nutrients*, **2017**, 9,	6.7	108
107	Sensitivity and specificity of spectral-domain optical coherence tomography in detecting idiopathic polypoidal choroidal vasculopathy. *American Journal of Ophthalmology*, **2014**, 158, 1228-1238.e1	4.9	97
106	The neovascular age-related macular degeneration database: report 2: incidence, management, and visual outcomes of second treated eyes. *Ophthalmology*, **2014**, 121, 1966-75	7.3	87
105	Fractal analysis of retinal microvasculature and coronary heart disease mortality. *European Heart Journal*, **2011**, 32, 422-9	9.5	86
104	Oxidative stress and reactive oxygen species: a review of their role in ocular disease. *Clinical Science* , **2017**, 131, 2865-2883	6.5	82
103	Retinal fractals and acute lacunar stroke. *Annals of Neurology*, **2010**, 68, 107-11	9.4	79

102	Visual Impairment, Hearing Loss and Cognitive Function in an Older Population: Longitudinal Findings from the Blue Mountains Eye Study. *PLoS ONE*, **2016**, 11, e0147646	3.7	72
101	Detailed phenotypic and genotypic characterization of bietti crystalline dystrophy. *Ophthalmology*, **2014**, 121, 1174-84	7.3	59
100	CKD increases the risk of age-related macular degeneration. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 806-11	12.7	56
99	An observational study to assess if automated diabetic retinopathy image assessment software can replace one or more steps of manual imaging grading and to determine their cost-effectiveness. *Health Technology Assessment*, **2016**, 20, 1-72	4.4	56
98	Low birthweight is associated with narrower arterioles in adults. *Hypertension*, **2008**, 51, 933-8	8.5	55
97	Efficacy and prognostic factors of response to carbonic anhydrase inhibitors in management of cystoid macular edema in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 1531-6		39
96	The association of aspirin use with age-related macular degeneration. *JAMA Internal Medicine*, **2013**, 173, 258-64	11.5	38
95	Mini Review: Changes in the Incidence of and Progression to Proliferative and Sight-Threatening Diabetic Retinopathy Over the Last 30 Years. *Ophthalmic Epidemiology*, **2017**, 24, 73-80	1.9	36
94	Retinal microvascular signs may provide clues to the underlying vasculopathy in patients with deep intracerebral hemorrhage. *Stroke*, **2010**, 41, 618-23	6.7	36
93	Retinal microvascular abnormalities and age-related hearing loss: the Blue Mountains hearing study. *Ear and Hearing*, **2007**, 28, 394-401	3.4	36
92	A genome-wide association study suggests new evidence for an association of the NADPH Oxidase 4 (NOX4) gene with severe diabetic retinopathy in type 2 diabetes. *Acta Ophthalmologica*, **2018**, 96, e811-e819	3.7	36
91	Prevalence of cystoid macular oedema, epiretinal membrane and cataract in retinitis pigmentosa. *British Journal of Ophthalmology*, **2019**, 103, 1163-1166	5.5	35
90	Age-related macular degeneration and 5-year incidence of impaired activities of daily living. *Maturitas*, **2014**, 77, 263-6	5	34
89	Associations between retinal microvascular structure and the severity and extent of coronary artery disease. *Atherosclerosis*, **2014**, 236, 25-30	3.1	32
88	A spectrum of retinal vasculature measures and coronary artery disease. *Atherosclerosis*, **2018**, 268, 215-224	3.1	29
87	Retinal vessel signs and 10-year incident age-related maculopathy: the Blue Mountains Eye Study. *Ophthalmology*, **2006**, 113, 1481-7	7.3	28
86	Metabolomics of Diabetic Retinopathy. *Current Diabetes Reports*, **2017**, 17, 102	5.6	25
85	Handgrip strength and its association with functional independence, depressive symptoms and quality of life in older adults. *Maturitas*, **2017**, 106, 92-94	5	24

84	Visual impairment and depressive symptoms in an older Australian cohort: longitudinal findings from the Blue Mountains Eye Study. *British Journal of Ophthalmology*, **2015**, 99, 1017-21	5.5	22
83	Genome-wide meta-analysis identifies novel loci associated with age-related macular degeneration. *Journal of Human Genetics*, **2020**, 65, 657-665	4.3	21
82	Physical activity and the 15-year incidence of age-related macular degeneration. *Investigative Ophthalmology and Visual Science*, **2014**, 55, 7799-803		20
81	Five-year progression of unilateral age-related macular degeneration to bilateral involvement: the Three Continent AMD Consortium report. *British Journal of Ophthalmology*, **2017**, 101, 1185-1192	5.5	19
80	Thyroid Dysfunction and Ten-Year Incidence of Age-Related Macular Degeneration **2016**, 57, 5273-5277		18
79	Validating the AREDS Simplified Severity Scale of Age-Related Macular Degeneration with 5- and 10-Year Incident Data in a Population-Based Sample. *Ophthalmology*, **2016**, 123, 1874-8	7.3	17
78	Dietary flavonoids and the prevalence and 15-y incidence of age-related macular degeneration. *American Journal of Clinical Nutrition*, **2018**, 108, 381-387	7	15
77	Severity of coronary artery disease is independently associated with the frequency of early age-related macular degeneration. *British Journal of Ophthalmology*, **2015**, 99, 365-70	5.5	14
76	Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. *Diabetes*, **2017**, 66, 3130-3141	0.9	13
75	New anti-hyperglycaemic agents for type 2 diabetes and their effects on diabetic retinopathy. *Eye*, **2019**, 33, 1842-1851	4.4	13
74	Diabetic macular ischaemia is associated with narrower retinal arterioles in patients with type 2 diabetes. *Acta Ophthalmologica*, **2015**, 93, e45-51	3.7	13
73	Retinal vascular signs in diabetes and hypertension--review. *Arquivos Brasileiros De Endocrinologia E Metabologia*, **2007**, 51, 352-62		13
72	Regular aspirin use and retinal microvascular signs: the Blue Mountains Eye Study. *Journal of Hypertension*, **2006**, 24, 1329-35	1.9	13
71	Retinal vascular caliber and migraine: the Blue Mountains Eye Study. *Headache*, **2006**, 46, 997-1004	4.2	13
70	Intake of key micronutrients and food groups in patients with late-stage age-related macular degeneration compared with age-sex-matched controls. *British Journal of Ophthalmology*, **2017**, 101, 1027-1031	5.5	12
69	Progressive Retinal Vasodilation in Patients With Type 1 Diabetes: A Longitudinal Study of Retinal Vascular Geometry **2017**, 58, 2503-2509		12
68	Smoking, antioxidant supplementation and dietary intakes among older adults with age-related macular degeneration over 10 years. *PLoS ONE*, **2015**, 10, e0122548	3.7	11
67	The role of reactive oxygen species in the pathogenesis and treatment of retinal diseases. *Experimental Eye Research*, **2020**, 201, 108255	3.7	11

66	Age-related macular degeneration and risk of total and cause-specific mortality over 15 years. *Maturitas*, **2016**, 84, 63-7	5	10
65	Association between Retinal Arteriolar and Venule Calibre with Prevalent Heart Failure: A Cross-Sectional Study. *PLoS ONE*, **2015**, 10, e0144850	3.7	10
64	Prevalence and risk factors of epiretinal membrane in a cohort with cardiovascular disease risk, compared with the Blue Mountains Eye Study. *British Journal of Ophthalmology*, **2015**, 99, 1601-5	5.5	10
63	Consumption of eggs and the 15-year incidence of age-related macular degeneration. *Clinical Nutrition*, **2020**, 39, 580-584	5.9	10
62	Joint Contribution of Genetic Susceptibility and Modifiable Factors to the Progression of Age-Related Macular Degeneration over 10 Years: The Three Continent AMD Consortium Report. *Ophthalmology Retina*, **2018**, 2, 684-693	3.8	9
61	Treat and Extend Treatment Interval Patterns with Anti-VEGF Therapy in nAMD Patients. *Vision (Switzerland)*, **2019**, 3,	2.3	9
60	Pattern of omega-3 polyunsaturated fatty acid intake and fish consumption and retinal vascular caliber in children and adolescents: A cohort study. *PLoS ONE*, **2017**, 12, e0172109	3.7	8
59	Metabolic syndrome and retinal microvascular calibre in a high cardiovascular disease risk cohort. *British Journal of Ophthalmology*, **2016**, 100, 1041-6	5.5	8
58	Combined influence of poor health behaviours on the prevalence and 15-year incidence of age-related macular degeneration. *Scientific Reports*, **2017**, 7, 4359	4.9	8
57	KESTREL and KITE: 52-week results from two Phase III pivotal trials of brolucizumab for diabetic macular edema.. *American Journal of Ophthalmology*, **2022**,	4.9	8
56	Relationship between macular degeneration with prevalent heart failure: a cross-sectional population study. *International Journal of Cardiology*, **2015**, 182, 213-5	3.2	7
55	Relationship between macular and retinal diseases with prevalent atrial fibrillation - an analysis of the Australian Heart Eye Study. *International Journal of Cardiology*, **2015**, 178, 96-8	3.2	7
54	Evaluating the cost and wait-times of a task-sharing model of care for diabetic eye care: a case study from Australia. *BMJ Open*, **2020**, 10, e036842	3	7
53	Retinal vessel caliber changes in vasculitis. *Retina*, **2015**, 35, 803-8	3.6	6
52	The relationship between birthweight and early age-related maculopathy: the atherosclerosis risk in communities study. *Ophthalmic Epidemiology*, **2008**, 15, 56-61	1.9	6
51	Severity of coronary artery disease and retinal microvascular signs in patients with diagnosed versus undiagnosed diabetes: cross-sectional study. *Journal of Thoracic Disease*, **2016**, 8, 1532-9	2.6	6
50	Early atherosclerosis is associated with retinal microvascular changes in adolescents with type 1 diabetes. *Pediatric Diabetes*, **2018**, 19, 1467-1470	3.6	6
49	Visual and hearing impairment and retirement in older adults: A population-based cohort study. *Maturitas*, **2017**, 100, 77-81	5	5

48	Implementing a multi-modal support service model for the family caregivers of persons with age-related macular degeneration: a study protocol for a randomised controlled trial. *BMJ Open*, **2017**, 7, e018204	3	5
47	Response to Letter Regarding Article, Evidence of Arteriolar Narrowing in Low-Birth-Weight Children *Circulation*, **2009**, 119,	16.7	5
46	Dietary zinc intake is associated with macular fluid in neovascular age-related macular degeneration. *Clinical and Experimental Ophthalmology*, **2020**, 48, 61-68	2.4	5
45	Factors associated with visual acuity in patients with cystoid macular oedema and Retinitis Pigmentosa. *Ophthalmic Epidemiology*, **2018**, 25, 183-186	1.9	5
44	Associations between retinal arteriolar and venular calibre with the prevalence of impaired fasting glucose and diabetes mellitus: A cross-sectional study. *PLoS ONE*, **2018**, 13, e0189627	3.7	5
43	Assessment of retinal vascular calibres as a biomarker of disease activity in birdshot chorioretinopathy. *Acta Ophthalmologica*, **2017**, 95, e113-e118	3.7	4
42	Hypermetropia is not associated with hypertension: the Blue Mountains Eye Study. *American Journal of Ophthalmology*, **2006**, 141, 746-8	4.9	4
41	Chronic kidney disease and the severity of coronary artery disease and retinal microvasculature changes: a cross-sectional study. *Journal of Thoracic Disease*, **2016**, 8, 2111-4	2.6	4
40	Cataract surgery is more prevalent and occurs at an earlier age in a high cardiovascular risk cohort: Comparison with the Blue Mountains Eye Study. *International Journal of Cardiology*, **2016**, 212, 72-5	3.2	4
39	Retinal microvascular changes in microvascular angina: Findings from the Australian Heart Eye Study. *Microcirculation*, **2019**, 26, e12536	2.9	4
38	Diet and risk of visual impairment: a review of dietary factors and risk of common causes of visual impairment. *Nutrition Reviews*, **2021**, 79, 636-650	6.4	4
37	Dietary intervention in patients with age-related macular degeneration: protocol for a randomised controlled trial. *BMJ Open*, **2019**, 9, e024774	3	3
36	Facilitators and barriers to participation in mental well-being programs by older Australians with vision impairment: community and stakeholder perspectives. *Eye*, **2020**, 34, 1287-1295	4.4	3
35	A qualitative exploration of Australian eyecare professional perspectives on Age-Related Macular Degeneration (AMD) care. *PLoS ONE*, **2020**, 15, e0228858	3.7	3
34	Quality and targeting of new referrals for ocular complications of diabetes from primary care to a public hospital ophthalmology service in Western Sydney, Australia. *Australian Journal of Primary Health*, **2020**, 26, 293-299	1.4	3
33	Evaluation of a Novel Tool for Screening Inadequate Food Intake in Age-Related Macular Degeneration Patients. *Nutrients*, **2019**, 11,	6.7	3
32	Retinal Vascular Geometry and the Prevalence of Atrial Fibrillation and Heart Failure in a Clinic-Based Sample. *Heart Lung and Circulation*, **2019**, 28, 1631-1637	1.8	3
31	A Multitask Deep-Learning System to Classify Diabetic Macular Edema for Different Optical Coherence Tomography Devices: A Multicenter Analysis. *Diabetes Care*, **2021**, 44, 2078-2088	14.6	3

30	Perspectives of people with late age-related macular degeneration on mental health and mental wellbeing programmes: a qualitative study. *Ophthalmic and Physiological Optics*, **2021**, 41, 255-265	4.1	3
29	Sight-threatening diabetic eye disease: an update and review of the literature. *British Journal of General Practice*, **2014**, 64, e678-80	1.6	2
28	Efficacy of Topical Carbonic Anhydrase Inhibitors in Reducing Duration of Chronic Central Serous Chorioretinopathy. *Translational Vision Science and Technology*, **2020**, 9, 6	3.3	2
27	Retinal Vasculature Fractal and Stroke Mortality. *Stroke*, **2021**, 52, 1276-1282	6.7	2
26	Dietary flavonoids are associated with longitudinal treatment outcomes in neovascular age-related macular degeneration. *European Journal of Nutrition*, **2021**, 60, 4243-4250	5.2	2
25	Carbohydrate nutrition variables and risk of disability in instrumental activities of daily living. *European Journal of Nutrition*, **2019**, 58, 3221-3228	5.2	2
24	Smoking and treatment outcomes of neovascular age-related macular degeneration over 12 months. *British Journal of Ophthalmology*, **2020**, 104, 893-898	5.5	2
23	Association between vision and hearing impairment and successful aging over five years. *Maturitas*, **2021**, 143, 203-208	5	2
22	Telephone-Delivered Dietary Intervention in Patients with Age-Related Macular Degeneration: 3-Month Post-Intervention Findings of a Randomised Controlled Trial. *Nutrients*, **2020**, 12,	6.7	1
21	Dietary antioxidants are associated with presence of intra- and sub-retinal fluid in neovascular age-related macular degeneration after 1 year. *Acta Ophthalmologica*, **2020**, 98, e814-e819	3.7	1
20	Prevalence and risk factors for depressive symptoms in patients with neovascular age-related macular degeneration who present for anti-VEGF therapy. *Acta Ophthalmologica*, **2021**, 99, e547-e554	3.7	1
19	Extended-Zone Retinal Vascular Caliber and Risk of Diabetic Retinopathy in Adolescents with Type 1 Diabetes. *Ophthalmology Retina*, **2020**, 4, 1151-1157	3.8	1
18	Association of dietary nitrate intake with retinal microvascular structure in older adults. *European Journal of Nutrition*, **2020**, 59, 2057-2063	5.2	1
17	Prevalence of polypoidal choroidal vasculopathy in Caucasian patients as estimated from optical coherence tomography signs. *Eye*, **2021**, 35, 1011-1012	4.4	1
16	Sight-threatening retinopathy in nine adolescents with early onset type 1 diabetes. *Pediatric Diabetes*, **2021**, 22, 1129-1134	3.6	1
15	Health-related quality of life in adolescents and the retinal microvascular structure. *Scientific Reports*, **2018**, 8, 3068	4.9	0
14	Association between head injury and concussion with retinal vessel caliber. *PLoS ONE*, **2018**, 13, e0200441	3.7	0
13	Associations between dietary flavonoids and retinal microvasculature in older adults. *European Journal of Nutrition*, **2020**, 59, 3093-3101	5.2	0

12	Missing Internal Limiting Membrane during Macular Hole Repair in Alport Syndrome. *Case Reports in Ophthalmology*, **2021**, 12, 320-323	0.7	0
11	Quality of the Australian National Health and Medical Research Council's clinical practice guidelines for the management of diabetic retinopathy. *Australasian journal of optometry, The*, **2021**, 104, 864-870	2.7	0
10	Cross-sectional study evaluating burden and depressive symptoms in family carers of persons with age-related macular degeneration in Australia. *BMJ Open*, **2021**, 11, e048658	3	0
9	Systematic review of diabetic eye disease practice guidelines: more applicability, transparency and development rigor are needed. *Journal of Clinical Epidemiology*, **2021**, 140, 56-68	5.7	0
8	Author reply: To PMID 24480711. *Ophthalmology*, **2015**, 122, e22	7.3	
7	Prevalence of Vitreoretinal Interface Disorders in an Australian Population. *Ophthalmology Science*, **2021**, 1, 100019		
6	Choroidal nevi in children: prevalence, age of onset, and progression. *Journal of AAPOS*, **2021**, 25, 225.e1-225.e6	1.3	
5	A qualitative exploration of Australian eyecare professional perspectives on Age-Related Macular Degeneration (AMD) care **2020**, 15, e0228858		
4	A qualitative exploration of Australian eyecare professional perspectives on Age-Related Macular Degeneration (AMD) care **2020**, 15, e0228858		
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