

Tien Y Wong

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

607
papers

53,341
citations

113
h-index

216
g-index

649
ext. papers

66,786
ext. citations

7.8
avg, IF

7.86
L-index

#	Paper	IF	Citations
607	Global prevalence of glaucoma and projections of glaucoma burden through 2040: a systematic review and meta-analysis. <i>Ophthalmology</i> , 2014 , 121, 2081-90	7.3	2839
606	Global prevalence and major risk factors of diabetic retinopathy. <i>Diabetes Care</i> , 2012 , 35, 556-64	14.6	2476
605	Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , 2014 , 2, e106-16	13.6	2052
604	Diabetic retinopathy. <i>Lancet, The</i> , 2010 , 376, 124-36	40	1675
603	Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. <i>Ophthalmology</i> , 2016 , 123, 1036-42	7.3	1399
602	Global causes of blindness and distance vision impairment 1990-2020: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , 2017 , 5, e1221-e1234	13.6	1218
601	Age-related macular degeneration. <i>Lancet, The</i> , 2012 , 379, 1728-38	40	1134
600	Magnitude, temporal trends, and projections of the global prevalence of blindness and distance and near vision impairment: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , 2017 , 5, e888-e897	13.6	953
599	Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 2211-2223	27.4	838
598	Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. <i>Eye and Vision (London, England)</i> , 2015 , 2, 17	4.9	660
597	Revised formulas for summarizing retinal vessel diameters. <i>Current Eye Research</i> , 2003 , 27, 143-9	2.9	648
596	Retinal microvascular abnormalities and incident stroke: the Atherosclerosis Risk in Communities Study. <i>Lancet, The</i> , 2001 , 358, 1134-40	40	632
595	Digital technology and COVID-19. <i>Nature Medicine</i> , 2020 , 26, 459-461	50.5	617
594	Management of diabetic retinopathy: a systematic review. <i>JAMA - Journal of the American Medical Association</i> , 2007 , 298, 902-16	27.4	553
593	Retinal arteriolar narrowing and risk of coronary heart disease in men and women. The Atherosclerosis Risk in Communities Study. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 287, 1153-9	27.4	527
592	Hypertensive retinopathy. <i>New England Journal of Medicine</i> , 2004 , 351, 2310-7	59.2	496
591	Diabetic retinopathy in a multi-ethnic cohort in the United States. <i>American Journal of Ophthalmology</i> , 2006 , 141, 446-455	4.9	459

590	Age-related macular degeneration. <i>Lancet, The</i> , 2018 , 392, 1147-1159	40	455
589	Retinal microvascular abnormalities and their relationship with hypertension, cardiovascular disease, and mortality. <i>Survey of Ophthalmology</i> , 2001 , 46, 59-80	6.1	443
588	Retinal vascular caliber, cardiovascular risk factors, and inflammation: the multi-ethnic study of atherosclerosis (MESA). <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2341-50		439
587	Clinical risk factors for age-related macular degeneration: a systematic review and meta-analysis. <i>BMC Ophthalmology</i> , 2010 , 10, 31	2.3	424
586	Diabetic retinopathy: global prevalence, major risk factors, screening practices and public health challenges: a review. <i>Clinical and Experimental Ophthalmology</i> , 2016 , 44, 260-77	2.4	404
585	The eye in hypertension. <i>Lancet, The</i> , 2007 , 369, 425-35	40	401
584	Diabetic retinopathy. <i>Nature Reviews Disease Primers</i> , 2016 , 2, 16012	51.1	367
583	Artificial intelligence and deep learning in ophthalmology. <i>British Journal of Ophthalmology</i> , 2019 , 103, 167-175	5.5	365
582	Computer-assisted measurement of retinal vessel diameters in the Beaver Dam Eye Study: methodology, correlation between eyes, and effect of refractive errors. <i>Ophthalmology</i> , 2004 , 111, 1183-90	7.3	353
581	International photographic classification and grading system for myopic maculopathy. <i>American Journal of Ophthalmology</i> , 2015 , 159, 877-83.e7	4.9	351
580	Rationale and methodology for a population-based study of eye diseases in Malay people: The Singapore Malay eye study (SiMES). <i>Ophthalmic Epidemiology</i> , 2007 , 14, 25-35	1.9	350
579	Cerebral white matter lesions, retinopathy, and incident clinical stroke. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 288, 67-74	27.4	346
578	Epidemiology and disease burden of pathologic myopia and myopic choroidal neovascularization: an evidence-based systematic review. <i>American Journal of Ophthalmology</i> , 2014 , 157, 9-25.e12	4.9	341
577	Retinal vascular caliber: systemic, environmental, and genetic associations. <i>Survey of Ophthalmology</i> , 2009 , 54, 74-95	6.1	296
576	Prevalence and risk factors for diabetic retinopathy: the Singapore Malay Eye Study. <i>Ophthalmology</i> , 2008 , 115, 1869-75	7.3	289
575	Global Estimates on the Number of People Blind or Visually Impaired by Diabetic Retinopathy: A Meta-analysis From 1990 to 2010. <i>Diabetes Care</i> , 2016 , 39, 1643-9	14.6	272
574	Retinal microvascular abnormalities and 10-year cardiovascular mortality: a population-based case-control study. <i>Ophthalmology</i> , 2003 , 110, 933-40	7.3	272
573	Methodology of the Singapore Indian Chinese Cohort (SICC) eye study: quantifying ethnic variations in the epidemiology of eye diseases in Asians. <i>Ophthalmic Epidemiology</i> , 2009 , 16, 325-36	1.9	269

572	Current epidemiology of diabetic retinopathy and diabetic macular edema. <i>Current Diabetes Reports</i> , 2012 , 12, 346-54	5.6	267
571	Abnormalities of retinal microvascular structure and risk of mortality from ischemic heart disease and stroke. <i>Hypertension</i> , 2006 , 47, 975-81	8.5	265
570	Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: the Right to Sight: an analysis for the Global Burden of Disease Study. <i>The Lancet Global Health</i> , 2021 , 9, e144-e160	13.6	253
569	Prediction of incident stroke events based on retinal vessel caliber: a systematic review and individual-participant meta-analysis. <i>American Journal of Epidemiology</i> , 2009 , 170, 1323-32	3.8	237
568	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. <i>JAMA Oncology</i> , 2017 , 3, 636-651	13.4	236
567	Genome-wide association study identifies FCGR2A as a susceptibility locus for Kawasaki disease. <i>Nature Genetics</i> , 2011 , 43, 1241-6	36.3	236
566	Retinal vessel diameter and cardiovascular mortality: pooled data analysis from two older populations. <i>European Heart Journal</i> , 2007 , 28, 1984-92	9.5	236
565	The prevalence and risk factors of retinal microvascular abnormalities in older persons: The Cardiovascular Health Study. <i>Ophthalmology</i> , 2003 , 110, 658-66	7.3	236
564	Retinal vessel diameters and their associations with age and blood pressure. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 4644-50		233
563	Relationships between age, blood pressure, and retinal vessel diameters in an older population. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 2900-4		233
562	Guidelines on Diabetic Eye Care: The International Council of Ophthalmology Recommendations for Screening, Follow-up, Referral, and Treatment Based on Resource Settings. <i>Ophthalmology</i> , 2018 , 125, 1608-1622	7.3	231
561	Are inflammatory factors related to retinal vessel caliber? The Beaver Dam Eye Study. <i>JAMA Ophthalmology</i> , 2006 , 124, 87-94		227
560	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , 2017 , 14, e1002383	11.6	223
559	Refractive errors, intraocular pressure, and glaucoma in a white population. <i>Ophthalmology</i> , 2003 , 110, 211-7	7.3	223
558	Retinal arteriolar diameter and risk for hypertension. <i>Annals of Internal Medicine</i> , 2004 , 140, 248-55	8	221
557	Associations between the metabolic syndrome and retinal microvascular signs: the Atherosclerosis Risk In Communities study. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2949-54		219
556	Obesity and eye diseases. <i>Survey of Ophthalmology</i> , 2007 , 52, 180-95	6.1	217
555	Retinal arteriolar narrowing and risk of diabetes mellitus in middle-aged persons. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 287, 2528-33	27.4	215

554	Meta-analysis: retinal vessel caliber and risk for coronary heart disease. <i>Annals of Internal Medicine</i> , 2009 , 151, 404-13	8	214
553	Retinal vascular imaging: a new tool in microvascular disease research. <i>Circulation: Cardiovascular Imaging</i> , 2008 , 1, 156-61	3.9	213
552	Age-related macular degeneration and polypoidal choroidal vasculopathy in Asians. <i>Progress in Retinal and Eye Research</i> , 2016 , 53, 107-139	20.5	205
551	Cardiovascular risk factors for retinal vein occlusion and arteriolar emboli: the Atherosclerosis Risk in Communities & Cardiovascular Health studies. <i>Ophthalmology</i> , 2005 , 112, 540-7	7.3	204
550	Retinal microvascular abnormalities and cognitive impairment in middle-aged persons: the Atherosclerosis Risk in Communities Study. <i>Stroke</i> , 2002 , 33, 1487-92	6.7	199
549	The prevalence and types of glaucoma in malay people: the Singapore Malay eye study 2008 , 49, 3846-51		194
548	Quantitative retinal venular caliber and risk of cardiovascular disease in older persons: the cardiovascular health study. <i>Archives of Internal Medicine</i> , 2006 , 166, 2388-94		194
547	Polypoidal Choroidal Vasculopathy: Definition, Pathogenesis, Diagnosis, and Management. <i>Ophthalmology</i> , 2018 , 125, 708-724	7.3	187
546	The relation of retinal vessel caliber to the incidence and progression of diabetic retinopathy: XIX: the Wisconsin Epidemiologic Study of Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2004 , 122, 76-83		186
545	Efficacy and Safety of Ranibizumab With or Without Verteporfin Photodynamic Therapy for Polypoidal Choroidal Vasculopathy: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2017 , 135, 1206-1213	3.9	181
544	Clinical practice. Retinal-vein occlusion. <i>New England Journal of Medicine</i> , 2010 , 363, 2135-44	59.2	175
543	Retinal vascular changes in pre-diabetes and prehypertension: new findings and their research and clinical implications. <i>Diabetes Care</i> , 2007 , 30, 2708-15	14.6	175
542	Microvascular network alterations in the retina of patients with Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014 , 10, 135-42	1.2	174
541	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
540	Retinal microvascular abnormalities and renal dysfunction: the atherosclerosis risk in communities study. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 2469-76	12.7	171
539	Prevalence of diabetic retinopathy in rural China: the Handan Eye Study. <i>Ophthalmology</i> , 2009 , 116, 461-7	7.3	170
538	Retinal microvascular abnormalities and MRI-defined subclinical cerebral infarction: the Atherosclerosis Risk in Communities Study. <i>Stroke</i> , 2006 , 37, 82-6	6.7	170
537	Relation between fasting glucose and retinopathy for diagnosis of diabetes: three population-based cross-sectional studies. <i>Lancet, The</i> , 2008 , 371, 736-43	40	169

536	Retinal ganglion cell analysis using high-definition optical coherence tomography in patients with mild cognitive impairment and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 45-56	4.3	168
535	Prevalence and causes of low vision and blindness in a rural Chinese adult population: the Handan Eye Study. <i>Ophthalmology</i> , 2008 , 115, 1965-72	7.3	168
534	Deep learning in ophthalmology: The technical and clinical considerations. <i>Progress in Retinal and Eye Research</i> , 2019 , 72, 100759	20.5	163
533	Retinal vascular tortuosity, blood pressure, and cardiovascular risk factors. <i>Ophthalmology</i> , 2011 , 118, 812-8	7.3	160
532	Relationship of retinal vascular caliber with diabetes and retinopathy: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Diabetes Care</i> , 2008 , 31, 544-9	14.6	160
531	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016 , 48, 189-94	36.3	159
530	Prospective cohort study of retinal vessel diameters and risk of hypertension. <i>BMJ, The</i> , 2004 , 329, 79	5.9	156
529	Retinal microvasculature as a model to study the manifestations of hypertension. <i>Hypertension</i> , 2012 , 60, 1094-103	8.5	152
528	Incidence and progression of diabetic retinopathy: a systematic review. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 140-149	18.1	150
527	Blood pressure and retinal arteriolar narrowing in children. <i>Hypertension</i> , 2007 , 49, 1156-62	8.5	150
526	Retinopathy and risk of congestive heart failure. <i>JAMA - Journal of the American Medical Association</i> , 2005 , 293, 63-9	27.4	149
525	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , 2015 , 6, 5897	17.4	147
524	Retinal vessel caliber and microvascular and macrovascular disease in type 2 diabetes: XXI: the Wisconsin Epidemiologic Study of Diabetic Retinopathy. <i>Ophthalmology</i> , 2007 , 114, 1884-92	7.3	146
523	Retinal microvascular abnormalities and risk of lacunar stroke: Atherosclerosis Risk in Communities Study. <i>Stroke</i> , 2010 , 41, 1349-55	6.7	145
522	Quantitative assessment of early diabetic retinopathy using fractal analysis. <i>Diabetes Care</i> , 2009 , 32, 106-10	14.6	144
521	Meta-analysis of genome-wide association studies in East Asian-ancestry populations identifies four new loci for body mass index. <i>Human Molecular Genetics</i> , 2014 , 23, 5492-504	5.6	141
520	Prevalence and causes of vision loss in high-income countries and in Eastern and Central Europe in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2018 , 102, 575-585	5.5	138
519	The retinal vasculature as a fractal: methodology, reliability, and relationship to blood pressure. <i>Ophthalmology</i> , 2008 , 115, 1951-6	7.3	138

518	Quantitative and qualitative retinal microvascular characteristics and blood pressure. <i>Journal of Hypertension</i> , 2011 , 29, 1380-91	1.9	135
517	Rates of progression in diabetic retinopathy during different time periods: a systematic review and meta-analysis. <i>Diabetes Care</i> , 2009 , 32, 2307-13	14.6	135
516	Retinal vascular caliber and the development of hypertension: a meta-analysis of individual participant data. <i>Journal of Hypertension</i> , 2014 , 32, 207-15	1.9	132
515	The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. <i>The Lancet Global Health</i> , 2021 , 9, e489-e551	13.6	131
514	Retinal vascular manifestations of metabolic disorders. <i>Trends in Endocrinology and Metabolism</i> , 2006 , 17, 262-8	8.8	130
513	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2014 , 46, 1115-9	36.3	129
512	Intravitreal Aflibercept Injection in Patients with Myopic Choroidal Neovascularization: The MYRROR Study. <i>Ophthalmology</i> , 2015 , 122, 1220-7	7.3	127
511	Diabetic macular oedema. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 143-155	18.1	127
510	Measurement of retinal vascular caliber: issues and alternatives to using the arteriole to venule ratio. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 52-7		126
509	Retinal vascular caliber in persons with type 2 diabetes: the Wisconsin Epidemiological Study of Diabetic Retinopathy: XX. <i>Ophthalmology</i> , 2006 , 113, 1488-98	7.3	125
508	Is retinal photography useful in the measurement of stroke risk?. <i>Lancet Neurology</i> , 2004 , 3, 179-83	24.1	125
507	Retinal vascular caliber measurements: clinical significance, current knowledge and future perspectives. <i>Ophthalmologica</i> , 2013 , 229, 125-36	3.7	124
506	Retinal microvasculature in acute lacunar stroke: a cross-sectional study. <i>Lancet Neurology</i> , 2009 , 8, 628-34	24.1	123
505	Prevalence and causes of low vision and blindness in an urban Malay population: the Singapore Malay Eye Study. <i>JAMA Ophthalmology</i> , 2008 , 126, 1091-9		123
504	Spectral-Domain OCT Measurements in Alzheimer's Disease: A Systematic Review and Meta-analysis. <i>Ophthalmology</i> , 2019 , 126, 497-510	7.3	123
503	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy in the PLANET Study: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2018 , 136, 786-793	3.9	121
502	Vascular risk factors in glaucoma: a review. <i>Clinical and Experimental Ophthalmology</i> , 2011 , 39, 252-8	2.4	121
501	Optical Coherence Tomographic Angiography in Type 2 Diabetes and Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2017 , 135, 306-312	3.9	118

500	ISPAD Clinical Practice Consensus Guidelines 2018: Microvascular and macrovascular complications in children and adolescents. <i>Pediatric Diabetes</i> , 2018 , 19 Suppl 27, 262-274	3.6	118
499	New loci and coding variants confer risk for age-related macular degeneration in East Asians. <i>Nature Communications</i> , 2015 , 6, 6063	17.4	118
498	Clinical update: new treatments for age-related macular degeneration. <i>Lancet, The</i> , 2007 , 370, 204-206	40	117
497	Imaging retina to study dementia and stroke. <i>Progress in Retinal and Eye Research</i> , 2017 , 57, 89-107	20.5	114
496	Retinal arteriolar narrowing and left ventricular remodeling: the multi-ethnic study of atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 48-55	15.1	114
495	Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. <i>PLoS Genetics</i> , 2010 , 6, e1001184	6	111
494	Glaucoma in Asia: regional prevalence variations and future projections. <i>British Journal of Ophthalmology</i> , 2016 , 100, 78-85	5.5	110
493	Prevalence and causes of visual impairment and blindness in an urban Indian population: the Singapore Indian Eye Study. <i>Ophthalmology</i> , 2011 , 118, 1798-804	7.3	109
492	Retinal microvascular abnormalities and subclinical magnetic resonance imaging brain infarct: a prospective study. <i>Brain</i> , 2010 , 133, 1987-93	11.2	109
491	Relative importance of systemic determinants of retinal arteriolar and venular caliber: the atherosclerosis risk in communities study. <i>JAMA Ophthalmology</i> , 2008 , 126, 1404-10		105
490	Number of People Blind or Visually Impaired by Glaucoma Worldwide and in World Regions 1990 - 2010: A Meta-Analysis. <i>PLoS ONE</i> , 2016 , 11, e0162229	3.7	105
489	Glycated hemoglobin and the risk of kidney disease and retinopathy in adults with and without diabetes. <i>Diabetes</i> , 2011 , 60, 298-305	0.9	104
488	Myopic choroidal neovascularisation: current concepts and update on clinical management. <i>British Journal of Ophthalmology</i> , 2015 , 99, 289-96	5.5	103
487	Kidney and eye diseases: common risk factors, etiological mechanisms, and pathways. <i>Kidney International</i> , 2014 , 85, 1290-302	9.9	103
486	Forecasting the burden of type 2 diabetes in Singapore using a demographic epidemiological model of Singapore. <i>BMJ Open Diabetes Research and Care</i> , 2014 , 2, e000012	4.5	103
485	Progress on retinal image analysis for age related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2014 , 38, 20-42	20.5	101
484	Retinal vascular caliber as a biomarker for diabetes microvascular complications. <i>Diabetes Care</i> , 2013 , 36, 750-9	14.6	101
483	Age-related macular degeneration and risk of coronary heart disease: the Atherosclerosis Risk in Communities Study. <i>Ophthalmology</i> , 2007 , 114, 86-91	7.3	100

482	Artificial intelligence using deep learning to screen for referable and vision-threatening diabetic retinopathy in Africa: a clinical validation study. <i>The Lancet Digital Health</i> , 2019 , 1, e35-e44	14.4	99
481	Determinants of ganglion cell-inner plexiform layer thickness measured by high-definition optical coherence tomography 2012 , 53, 5853-9		98
480	Retinal arteriolar dilation predicts retinopathy in adolescents with type 1 diabetes. <i>Diabetes Care</i> , 2008 , 31, 1842-6	14.6	98
479	Impact of current and past blood pressure on retinal arteriolar diameter in an older population. <i>Journal of Hypertension</i> , 2004 , 22, 1543-9	1.9	98
478	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. <i>JAMA Ophthalmology</i> , 2019 , 137, 1353-1360	3.9	97
477	Alterations in retinal microvascular geometry in young type 1 diabetes. <i>Diabetes Care</i> , 2010 , 33, 1331-6	14.6	97
476	An Automated Grading System for Detection of Vision-Threatening Referable Diabetic Retinopathy on the Basis of Color Fundus Photographs. <i>Diabetes Care</i> , 2018 , 41, 2509-2516	14.6	96
475	Changes in refraction over 10 years in an adult population: the Beaver Dam Eye study. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 2566-71		96
474	Global prevalence of visual impairment associated with myopic macular degeneration and temporal trends from 2000 through 2050: systematic review, meta-analysis and modelling. <i>British Journal of Ophthalmology</i> , 2018 , 102, 855-862	5.5	92
473	Prevalence and characteristics of myopic retinopathy in a rural Chinese adult population: the Handan Eye Study. <i>JAMA Ophthalmology</i> , 2011 , 129, 1199-204		91
472	Artificial Intelligence to Detect Papilledema from Ocular Fundus Photographs. <i>New England Journal of Medicine</i> , 2020 , 382, 1687-1695	59.2	91
471	Determinants of quantitative optic nerve measurements using spectral domain optical coherence tomography in a population-based sample of non-glaucomatous subjects 2011 , 52, 9629-35		90
470	Retinal vascular fractals and microvascular and macrovascular complications in type 1 diabetes. <i>Ophthalmology</i> , 2010 , 117, 1400-5	7.3	90
469	Microvascular structure and network in the retina of patients with ischemic stroke. <i>Stroke</i> , 2013 , 44, 2126-7		89
468	Visual impairment, age-related eye diseases, and cognitive function: the Singapore Malay Eye study. <i>JAMA Ophthalmology</i> , 2012 , 130, 895-900		89
467	AI for medical imaging goes deep. <i>Nature Medicine</i> , 2018 , 24, 539-540	50.5	88
466	Retinal arteriolar caliber predicts incident retinopathy: the Australian Diabetes, Obesity and Lifestyle (AusDiab) study. <i>Diabetes Care</i> , 2008 , 31, 761-3	14.6	88
465	Cost-effectiveness of a National Telemedicine Diabetic Retinopathy Screening Program in Singapore. <i>Ophthalmology</i> , 2016 , 123, 2571-2580	7.3	87

464	Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. <i>Journal of Hypertension</i> , 2009 , 27, 2386-93	1.9	86
463	A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015 , 24, 3880-92	5.6	84
462	Refractive errors, axial ocular dimensions, and age-related cataracts: the Tanjong Pagar survey. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 1479-85		84
461	Exome chip meta-analysis identifies novel loci and East Asian-specific coding variants that contribute to lipid levels and coronary artery disease. <i>Nature Genetics</i> , 2017 , 49, 1722-1730	36.3	83
460	Ocular anti-VEGF therapy for diabetic retinopathy: overview of clinical efficacy and evolving applications. <i>Diabetes Care</i> , 2014 , 37, 900-5	14.6	83
459	Prevalence of age-related macular degeneration in a Malay population: the Singapore Malay Eye Study. <i>Ophthalmology</i> , 2008 , 115, 1735-41	7.3	82
458	Retinal microvascular caliber and chronic kidney disease in an Asian population. <i>American Journal of Epidemiology</i> , 2009 , 169, 625-32	3.8	82
457	Retinal microvascular changes and risk of stroke: the Singapore Malay Eye Study. <i>Stroke</i> , 2013 , 44, 2402-8	8.7	81
456	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. <i>Ophthalmic Epidemiology</i> , 2016 , 23, 209-22	1.9	81
455	Cortical cerebral microinfarcts on 3T MRI: A novel marker of cerebrovascular disease. <i>Neurology</i> , 2016 , 87, 1583-1590	6.5	81
454	Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. <i>American Journal of Human Genetics</i> , 2014 , 95, 24-38	11	80
453	Racial difference in the incidence of retinal detachment in Singapore. <i>JAMA Ophthalmology</i> , 1999 , 117, 379-83		80
452	Retinal fractals and acute lacunar stroke. <i>Annals of Neurology</i> , 2010 , 68, 107-11	9.4	79
451	Systemic associations of retinal microvascular signs: a review of recent population-based studies. <i>Ophthalmic and Physiological Optics</i> , 2005 , 25, 195-204	4.1	78
450	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045: Systematic Review and Meta-analysis. <i>Ophthalmology</i> , 2021 , 128, 1580-1591	7.3	78
449	Associations between findings on cranial magnetic resonance imaging and retinal photography in the elderly: the Cardiovascular Health Study. <i>American Journal of Epidemiology</i> , 2007 , 165, 78-84	3.8	76
448	Retinal vascular caliber, diabetes, and retinopathy. <i>American Journal of Ophthalmology</i> , 2007 , 143, 1024-9	4.9	76
447	Are obesity and anthropometry risk factors for diabetic retinopathy? The diabetes management project 2011 , 52, 4416-21		75

446	Retinal microvascular signs and risk of stroke: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Stroke</i> , 2012 , 43, 3245-51	6.7	73
445	Cardiovascular risk factors and retinal microvascular signs in an adult Japanese population: the Funagata Study. <i>Ophthalmology</i> , 2006 , 113, 1378-84	7.3	73
444	The clinical implications of recent studies on the structure and function of the retinal microvasculature in diabetes. <i>Diabetologia</i> , 2015 , 58, 871-85	10.3	72
443	Microvascular abnormality in schizophrenia as shown by retinal imaging. <i>American Journal of Psychiatry</i> , 2013 , 170, 1451-9	11.9	72
442	Impact of hypertension on retinal capillary microvasculature using optical coherence tomographic angiography. <i>Journal of Hypertension</i> , 2019 , 37, 572-580	1.9	72
441	Meta-analysis of genome-wide association studies of adult height in East Asians identifies 17 novel loci. <i>Human Molecular Genetics</i> , 2015 , 24, 1791-800	5.6	71
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