Tien Y Wong

List of Publications by Year
in descending order

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642	80,073	554	693
papers	citations	126 h-index	253 g-index

649	649	649	45808
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Prevalence of Glaucoma and Projections of Glaucoma Burden through 2040. Ophthalmology, 2014, 121, 2081-2090.	2.5	4,514
2	Global Prevalence and Major Risk Factors of Diabetic Retinopathy. Diabetes Care, 2012, 35, 556-564.	4.3	3,439
3	Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: a systematic review and meta-analysis. The Lancet Global Health, 2014, 2, e106-e116.	2.9	3,277
4	Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. Ophthalmology, 2016, 123, 1036-1042.	2.5	2,684
5	Diabetic retinopathy. Lancet, The, 2010, 376, 124-136.	6.3	2,305
6	Global causes of blindness and distance vision impairment 1990â€“2020: a systematic review and meta-analysis. The Lancet Global Health, 2017, 5, e1221-e1234.	2.9	2,053
7	Age-related macular degeneration. Lancet, The, 2012, 379, 1728-1738.	6.3	1,467
8	Magnitude, temporal trends, and projections of the global prevalence of blindness and distance and near vision impairment: a systematic review and meta-analysis. The Lancet Global Health, 2017, 5, e888-e897.	2.9	1,443
9	Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. JAMA - Journal of the American Medical Association, 2017, 318, 2211.	3.8	1,442
10	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. The Lancet Global Health, 2021, 9, e144-e160.	2.9	1,148
11	Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. Eye and Vision (London, England), 2015, 2, 17.	1.4	1,032
12	Digital technology and COVID-19. Nature Medicine, 2020, 26, 459-461.	15.2	997
13	Age-related macular degeneration. Lancet, The, 2018, 392, 1147-1159.	6.3	958
14	Revised formulas for summarizing retinal vessel diameters. Current Eye Research, 2003, 27, 143-149.	0.7	755
15	Artificial intelligence and deep learning in ophthalmology. British Journal of Ophthalmology, 2019, 103, 167-175.	2.1	754
16	Retinal microvascular abnormalities and incident stroke: the Atherosclerosis Risk in Communities Study. Lancet, The, 2001, 358, 1134-1140.	6.3	743
17	Management of Diabetic Retinopathy. JAMA - Journal of the American Medical Association, 2007, 298, 902.	3.8	731
18	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.	2.5	680

#	Article	IF	Citations
19	Retinal Arteriolar Narrowing and Risk of Coronary Heart Disease in Men and Women. JAMA - Journal of the American Medical Association, 2002, 287, 1153-9.	3.8	678
20	Diabetic retinopathy. Nature Reviews Disease Primers, 2016, 2, 16012.	18.1	661
21	Diabetic retinopathy: global prevalence, major risk factors, screening practices and public health challenges: a review. Clinical and Experimental Ophthalmology, 2016, 44, 260-277.	1.3	640
22	Hypertensive Retinopathy. New England Journal of Medicine, 2004, 351, 2310-2317.	13.9	618
23	Clinical risk factors for age-related macular degeneration: a systematic review and meta-analysis. BMC Ophthalmology, 2010, 10, 31.	0.6	596
24	International Photographic Classification and Grading System for Myopic Maculopathy. American Journal of Ophthalmology, 2015, 159, 877-883.e7.	1.7	549
25	The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. The Lancet Global Health, 2021, 9, e489-e551.	2.9	549
26	Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. American Journal of Ophthalmology, 2006, 141, 446-455.e1.	1.7	548
27	Retinal Microvascular Abnormalities and their Relationship with Hypertension, Cardiovascular Disease, and Mortality. Survey of Ophthalmology, 2001, 46, 59-80.	1.7	531
28	Retinal Vascular Caliber, Cardiovascular Risk Factors, and Inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA). , 2006, 47, 2341.		531
29	Epidemiology and Disease Burden of Pathologic Myopia and Myopic Choroidal Neovascularization: An Evidence-Based Systematic Review. American Journal of Ophthalmology, 2014, 157, 9-25.e12.	1.7	507
30	The eye in hypertension. Lancet, The, 2007, 369, 425-435.	6.3	492
31	Guidelines on Diabetic Eye Care. Ophthalmology, 2018, 125, 1608-1622.	2.5	437
32	Global Estimates on the Number of People Blind or Visually Impaired by Diabetic Retinopathy: A Meta-analysis From 1990 to 2010. Diabetes Care, 2016, 39, 1643-1649.	4.3	435
33	Cerebral White Matter Lesions, Retinopathy, and Incident Clinical Stroke. JAMA - Journal of the American Medical Association, 2002, 288, 67.	3.8	430
34	Rationale and Methodology for a Population-Based Study of Eye Diseases in Malay People: The Singapore Malay Eye Study (SiMES). Ophthalmic Epidemiology, 2007, 14, 25-35.	0.8	409
35	Computer-assisted measurement of retinal vessel diameters in the Beaver Dam Eye Study*1methodology, correlation between eyes, and effect of refractive errors. Ophthalmology, 2004, 111, 1183-1190.	2.5	408
36	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	3.4	376

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37	Prevalence and Risk Factors for Diabetic Retinopathy. Ophthalmology, 2008, 115, 1869-1875.	2.5	354
38	Current Epidemiology of Diabetic Retinopathy and Diabetic Macular Edema. Current Diabetes Reports, 2012, 12, 346-354.	1.7	353
39	Retinal Vascular Caliber: Systemic, Environmental, and Genetic Associations. Survey of Ophthalmology, 2009, 54, 74-95.	1.7	351
40	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. PLoS Medicine, 2017, 14, e1002383.	3.9	341
41	Retinal microvascular abnormalities and 10-year cardiovascular mortality. Ophthalmology, 2003, 110, 933-940.	2.5	334
42	Abnormalities of Retinal Microvascular Structure and Risk of Mortality From Ischemic Heart Disease and Stroke. Hypertension, 2006, 47, 975-981.	1.3	322
43	Methodology of the Singapore Indian Chinese Cohort (SICC) Eye Study: Quantifying ethnic variations in the epidemiology of eye diseases in Asians. Ophthalmic Epidemiology, 2009, 16, 325-336.	0.8	309
44	Deep learning in ophthalmology: The technical and clinical considerations. Progress in Retinal and Eye Research, 2019, 72, 100759.	7.3	300
45	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology,the, 2019, 7, 140-149.	5.5	299
46	Genome-wide association study identifies FCGR2A as a susceptibility locus for Kawasaki disease. Nature Genetics, 2011, 43, 1241-1246.	9.4	297
47	Retinal vessel diameter and cardiovascular mortality: pooled data analysis from two older populations. European Heart Journal, 2007, 28, 1984-1992.	1.0	293
48	Prediction of Incident Stroke Events Based on Retinal Vessel Caliber: A Systematic Review and Individual-Participant Meta-Analysis. American Journal of Epidemiology, 2009, 170, 1323-1332.	1.6	285
49	Retinal Arteriolar Diameter and Risk for Hypertension. Annals of Internal Medicine, 2004, 140, 248.	2.0	284
50	Retinal Vessel Diameters and Their Associations with Age and Blood Pressure. , 2003, 44, 4644.		282
51	Polypoidal Choroidal Vasculopathy. Ophthalmology, 2018, 125, 708-724.	2.5	282
52	The prevalence and risk factors of retinal microvascular abnormalities in older persons. Ophthalmology, 2003, 110, 658-666.	2.5	280
53	Obesity and Eye Diseases. Survey of Ophthalmology, 2007, 52, 180-195.	1.7	280
54	Age-related macular degeneration and polypoidal choroidal vasculopathy in Asians. Progress in Retinal and Eye Research, 2016, 53, 107-139.	7.3	276

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55	Meta-analysis: Retinal Vessel Caliber and Risk for Coronary Heart Disease. Annals of Internal Medicine, 2009, 151, 404.	2.0	273
56	Refractive errors, intraocular pressure, and glaucoma in a white population11The authors have no proprietary interest in the products or devices mentioned herein.. Ophthalmology, 2003, 110, 211-217.	2.5	272
57	Retinal Arteriolar Narrowing and Risk of Diabetes Mellitus in Middle-aged Persons. JAMA - Journal of the American Medical Association, 2002, 287, 2528.	3.8	271
58	Retinal Vascular Imaging. Circulation: Cardiovascular Imaging, 2008, 1, 156-161.	1.3	268
59	Relationships between Age, Blood Pressure, and Retinal Vessel Diameters in an Older Population. , 2003, 44, 2900.		263
60	Myopic Choroidal Neovascularization. Ophthalmology, 2017, 124, 1690-1711.	2.5	263
61	Quantitative Retinal Venular Caliber and Risk of Cardiovascular Disease in Older Persons. Archives of Internal Medicine, 2006, 166, 2388.	4.3	262
62	Polypoidal Choroidal Vasculopathy. Ophthalmology, 2021, 128, 443-452.	2.5	261
63	Digital technology, tele-medicine and artificial intelligence in ophthalmology: A global perspective. Progress in Retinal and Eye Research, 2021, 82, 100900.	7.3	261
64	Are Inflammatory Factors Related to Retinal Vessel Caliber?. JAMA Ophthalmology, 2006, 124, 87.	2.6	256
65	Microvascular network alterations in the retina of patients with Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 135-142.	0.4	255
66	Cardiovascular Risk Factors for Retinal Vein Occlusion and Arteriolar EmboliThe Atherosclerosis Risk in Communities & Cardiovascular Health studies. Ophthalmology, 2005, 112, 540-547.	2.5	254
67	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	5.8	250
68	Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of Clinical Epidemiology, 2020, 122, 56-69.	2.4	245
69	Diabetic macular oedema. Lancet Diabetes and Endocrinology,the, 2017, 5, 143-155.	5.5	242
70	Efficacy and Safety of Ranibizumab With or Without Verteporfin Photodynamic Therapy for Polypoidal Choroidal Vasculopathy. JAMA Ophthalmology, 2017, 135, 1206.	1.4	241
71	Associations between the Metabolic Syndrome and Retinal Microvascular Signs: The Atherosclerosis Risk in Communities Study. , 2004, 45, 2949.		238
72	Spectral-Domain OCT Measurements in Alzheimerâ€™s Disease. Ophthalmology, 2019, 126, 497-510.	2.5	236

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73	Retinal-Vein Occlusion. New England Journal of Medicine, 2010, 363, 2135-2144.	13.9	226
74	Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons. Stroke, 2002, 33, 1487-1492.	1.0	225
75	The Prevalence and Types of Glaucoma in Malay People: The Singapore Malay Eye Study. , 2008, 49, 3846.		224
76	Retinal Ganglion Cell Analysis Using High-Definition Optical Coherence Tomography in Patients with Mild Cognitive Impairment and Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 45, 45-56.	1.2	223
77	Prospective cohort study of retinal vessel diameters and risk of hypertension. BMJ: British Medical Journal, 2004, 329, 79.	2.4	220
78	Retinal Vascular Tortuosity, Blood Pressure, and Cardiovascular Risk Factors. Ophthalmology, 2011, 118, 812-818.	2.5	220
79	The Relation of Retinal Vessel Caliber to the Incidence and Progressionof Diabetic Retinopathy. JAMA Ophthalmology, 2004, 122, 76.	2.6	218
80	Retinal Vascular Changes in Pre-Diabetes and Prehypertension. Diabetes Care, 2007, 30, 2708-2715.	4.3	215
81	Artificial Intelligence to Detect Papilledema from Ocular Fundus Photographs. New England Journal of Medicine, 2020, 382, 1687-1695.	13.9	214
82	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. Nature Genetics, 2016, 48, 189-194.	9.4	211
83	Prevalence and causes of vision loss in high-income countries and in Eastern and Central Europe in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2018, 102, 575-585.	2.1	211
84	Prevalence of Diabetic Retinopathy in Rural China: The Handan Eye Study. Ophthalmology, 2009, 116, 461-467.	2.5	210
85	Retinal Microvasculature as a Model to Study the Manifestations of Hypertension. Hypertension, 2012, 60, 1094-1103.	1.3	208
86	Relation between fasting glucose and retinopathy for diagnosis of diabetes: three population-based cross-sectional studies. Lancet, The, 2008, 371, 736-743.	6.3	207
87	Prevalence and Causes of Low Vision and Blindness in a Rural Chinese Adult Population. Ophthalmology, 2008, 115, 1965-1972.e1.	2.5	206
88	Retinal Microvascular Abnormalities and Renal Dysfunction: The Atherosclerosis Risk in Communities Study. Journal of the American Society of Nephrology: JASN, 2004, 15, 2469-2476.	3.0	205
89	ISPAD Clinical Practice Consensus Guidelines 2018: Microvascular and macrovascular complications in children and adolescents. Pediatric Diabetes, 2018, 19, 262-274.	1.2	205
90	Artificial intelligence using deep learning to screen for referable and vision-threatening diabetic retinopathy in Africa: a clinical validation study. The Lancet Digital Health, 2019, 1, e35-e44.	5.9	205

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91	Artificial Intelligence With Deep Learning Technology Looks Into Diabetic Retinopathy Screening. JAMA - Journal of the American Medical Association, 2016, 316, 2366.	3.8	204
92	Retinal Microvascular Abnormalities and MRI-Defined Subclinical Cerebral Infarction. Stroke, 2006, 37, 82-86.	1.0	199
93	Global prevalence of visual impairment associated with myopic macular degeneration and temporal trends from 2000 through 2050: systematic review, meta-analysis and modelling. British Journal of Ophthalmology, 2018, 102, 855-862.	2.1	198
94	Quantitative and qualitative retinal microvascular characteristics and blood pressure. Journal of Hypertension, 2011, 29, 1380-1391.	0.3	196
95	Imaging retina to study dementia and stroke. Progress in Retinal and Eye Research, 2017, 57, 89-107.	7.3	195
96	Retinopathy and Risk of Congestive Heart Failure. JAMA - Journal of the American Medical Association, 2005, 293, 63.	3.8	193
97	Meta-analysis of genome-wide association studies in East Asian-ancestry populations identifies four new loci for body mass index. Human Molecular Genetics, 2014, 23, 5492-5504.	1.4	192
98	Relationship of Retinal Vascular Caliber With Diabetes and Retinopathy. Diabetes Care, 2008, 31, 544-549.	4.3	191
99	Efficacy, durability, and safety of intravitreal faricimab up to every 16 weeks for neovascular age-related macular degeneration (TENAYA and LUCERNE): two randomised, double-masked, phase 3, non-inferiority trials. Lancet, The, 2022, 399, 729-740.	6.3	190
100	Intravitreal Aflibercept Injection in Patients with Myopic Choroidal Neovascularization. Ophthalmology, 2015, 122, 1220-1227.	2.5	189
101	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. JAMA Ophthalmology, 2019, 137, 1353.	1.4	188
102	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy in the PLANET Study. JAMA Ophthalmology, 2018, 136, 786.	1.4	186
103	The Retinal Vasculature as a Fractal: Methodology, Reliability, and Relationship to Blood Pressure. Ophthalmology, 2008, 115, 1951-1956.e1.	2.5	180
104	Quantitative Assessment of Early Diabetic Retinopathy Using Fractal Analysis. Diabetes Care, 2009, 32, 106-110.	4.3	179
105	Vascular risk factors in glaucoma: a review. Clinical and Experimental Ophthalmology, 2011, 39, 252-258.	1.3	177
106	An Automated Grading System for Detection of Vision-Threatening Referable Diabetic Retinopathy on the Basis of Color Fundus Photographs. Diabetes Care, 2018, 41, 2509-2516.	4.3	175
107	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	5.8	173
108	Blood Pressure and Retinal Arteriolar Narrowing in Children. Hypertension, 2007, 49, 1156-1162.	1.3	172

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109	Retinal Microvascular Abnormalities and Risk of Lacunar Stroke. Stroke, 2010, 41, 1349-1355.	1.0	172
110	Kidney and eye diseases: common risk factors, etiological mechanisms, and pathways. Kidney International, 2014, 85, 1290-1302.	2.6	172
111	Rates of Progression in Diabetic Retinopathy During Different Time Periods. Diabetes Care, 2009, 32, 2307-2313.	4.3	171
112	Retinal vascular caliber and the development of hypertension. Journal of Hypertension, 2014, 32, 207-215.	0.3	171
113	Retinal Vessel Caliber and Microvascular and Macrovascular Disease in Type 2 Diabetes. Ophthalmology, 2007, 114, 1884-1892.	2.5	167
114	Applications of digital health for public health responses to COVID-19: a systematic scoping review of artificial intelligence, telehealth and related technologies. Npj Digital Medicine, 2021, 4, 40.	5.7	163
115	Retinal Vascular Caliber Measurements: Clinical Significance, Current Knowledge and Future Perspectives. Ophthalmologica, 2013, 229, 125-136.	1.0	162
116	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	9.4	160
117	Glaucoma in Asia: regional prevalence variations and future projections. British Journal of Ophthalmology, 2016, 100, 78-85.	2.1	160
118	Number of People Blind or Visually Impaired by Glaucoma Worldwide and in World Regions 1990 â€“ 2010: A Meta-Analysis. PLoS ONE, 2016, 11, e0162229.	1.1	159
119	Retinal vascular manifestations of metabolic disorders. Trends in Endocrinology and Metabolism, 2006, 17, 262-268.	3.1	154
120	Cost-effectiveness of a National Telemedicine Diabetic Retinopathy Screening Program in Singapore. Ophthalmology, 2016, 123, 2571-2580.	2.5	153
121	Artificial intelligence for teleophthalmology-based diabetic retinopathy screening in a national programme: an economic analysis modelling study. The Lancet Digital Health, 2020, 2, e240-e249.	5.9	152
122	Optical Coherence Tomographic Angiography in Type 2 Diabetes and Diabetic Retinopathy. JAMA Ophthalmology, 2017, 135, 306.	1.4	151
123	New loci and coding variants confer risk for age-related macular degeneration in East Asians. Nature Communications, 2015, 6, 6063.	5.8	147
124	Measurement of Retinal Vascular Caliber: Issues and Alternatives to Using the Arteriole to Venule Ratio. , 2007, 48, 52.		145
125	Retinal microvasculature in acute lacunar stroke: a cross-sectional study. Lancet Neurology, The, 2009, 8, 628-634.	4.9	145
126	Is retinal photography useful in the measurement of stroke risk?. Lancet Neurology, The, 2004, 3, 179-183.	4.9	144

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127	Forecasting the burden of type 2 diabetes in Singapore using a demographic epidemiological model of Singapore. BMJ Open Diabetes Research and Care, 2014, 2, e000012.	1.2	142
128	Clinical update: new treatments for age-related macular degeneration. Lancet, The, 2007, 370, 204-206.	6.3	138
129	Retinal Vascular Caliber as a Biomarker for Diabetes Microvascular Complications. Diabetes Care, 2013, 36, 750-759.	4.3	138
130	AI for medical imaging goes deep. Nature Medicine, 2018, 24, 539-540.	15.2	138
131	Retinal Arteriolar Narrowing and Left Ventricular Remodeling. Journal of the American College of Cardiology, 2007, 50, 48-55.	1.2	137
132	Prevalence and Causes of Low Vision and Blindness in an Urban Malay Population. JAMA Ophthalmology, 2008, 126, 1091.	2.6	136
133	Retinal Vascular Caliber in Persons with Type 2 DiabetesThe Wisconsin Epidemiological Study of Diabetic Retinopathy: XX. Ophthalmology, 2006, 113, 1488-1498.	2.5	135
134	Myopic choroidal neovascularisation: current concepts and update on clinical management. British Journal of Ophthalmology, 2015, 99, 289-296.	2.1	135
135	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. PLoS Genetics, 2010, 6, e1001184.	1.5	134
136	Progress on retinal image analysis for age related macular degeneration. Progress in Retinal and Eye Research, 2014, 38, 20-42.	7.3	132
137	A deep-learning system for the assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre. Nature Biomedical Engineering, 2021, 5, 498-508.	11.6	131
138	A deep learning algorithm to detect chronic kidney disease from retinal photographs in community-based populations. The Lancet Digital Health, 2020, 2, e295-e302.	5.9	130
139	Exome chip meta-analysis identifies novel loci and East Asianâ€“specific coding variants that contribute to lipid levels and coronary artery disease. Nature Genetics, 2017, 49, 1722-1730.	9.4	129
140	Alterations in Retinal Microvascular Geometry in Young Type 1 Diabetes. Diabetes Care, 2010, 33, 1331-1336.	4.3	128
141	Retinal microvascular abnormalities and subclinical magnetic resonance imaging brain infarct: a prospective study. Brain, 2010, 133, 1987-1993.	3.7	127
142	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. Cell, 2019, 179, 736-749.e15.	13.5	126
143	Prevalence and Causes of Visual Impairment and Blindness in an Urban Indian Population: The Singapore Indian Eye Study. Ophthalmology, 2011, 118, 1798-1804.	2.5	124
144	Glycated Hemoglobin and the Risk of Kidney Disease and Retinopathy in Adults With and Without Diabetes. Diabetes, 2011, 60, 298-305.	0.3	124

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145	Impact of current and past blood pressure on retinal arteriolar diameter in an older population. Journal of Hypertension, 2004, 22, 1543-1549.	0.3	122
146	Relative Importance of Systemic Determinants of Retinal Arteriolar and Venular Caliber. JAMA Ophthalmology, 2008, 126, 1404.	2.6	120
147	Microvascular Structure and Network in the Retina of Patients With Ischemic Stroke. Stroke, 2013, 44, 2121-2127.	1.0	120
148	Preparedness among Ophthalmologists: During and Beyond the COVID-19 Pandemic. Ophthalmology, 2020, 127, 569-572.	2.5	120
149	Retinal Arteriolar Dilation Predicts Retinopathy in Adolescents With Type 1 Diabetes. Diabetes Care, 2008, 31, 1842-1846.	4.3	118
150	Determinants of Ganglion Cellâ€“Inner Plexiform Layer Thickness Measured by High-Definition Optical Coherence Tomography. , 2012, 53, 5853.		118
151	Retinal Microvascular Changes and Risk of Stroke. Stroke, 2013, 44, 2402-2408.	1.0	118
152	Impact of hypertension on retinal capillary microvasculature using optical coherence tomographic angiography. Journal of Hypertension, 2019, 37, 572-580.	0.3	117
153	Age-Related Macular Degeneration and Risk of Coronary Heart Disease. Ophthalmology, 2007, 114, 86-91.	2.5	113
154	Plasma Metabonomic Profiling of Diabetic Retinopathy. Diabetes, 2016, 65, 1099-1108.	0.3	113
155	Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. Journal of Hypertension, 2009, 27, 2386-2393.	0.3	112
156	Prevalence and Characteristics of Myopic Retinopathy in a Rural Chinese Adult Population. JAMA Ophthalmology, 2011, 129, 1199.	2.6	112
157	Visual Impairment, Age-Related Eye Diseases, and Cognitive Function. JAMA Ophthalmology, 2012, 130, 895-900.	2.6	112
158	Retinal Vascular Fractals and Microvascular and Macrovascular Complications in Type 1 Diabetes. Ophthalmology, 2010, 117, 1400-1405.	2.5	111
159	The clinical implications of recent studies on the structure and function of the retinal microvasculature in diabetes. Diabetologia, 2015, 58, 871-885.	2.9	111
160	Retinal Imaging Techniques for Diabetic Retinopathy Screening. Journal of Diabetes Science and Technology, 2016, 10, 282-294.	1.3	111
161	Gene-Age Interactions in Blood Pressure Regulation: A Large-Scale Investigation with the CHARGE, Global BPgen, and ICBP Consortia. American Journal of Human Genetics, 2014, 95, 24-38.	2.6	109
162	Determinants of Quantitative Optic Nerve Measurements Using Spectral Domain Optical Coherence Tomography in a Population-Based Sample of Non-glaucomatous Subjects. , 2011, 52, 9629.		107

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163	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. Ophthalmic Epidemiology, 2016, 23, 209-222.	0.8	107
164	Ocular Anti-VEGF Therapy for Diabetic Retinopathy: Overview of Clinical Efficacy and Evolving Applications. Diabetes Care, 2014, 37, 900-905.	4.3	106
165	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	1.4	105
166	Meta-analysis of genome-wide association studies of adult height in East Asians identifies 17 novel loci. Human Molecular Genetics, 2015, 24, 1791-1800.	1.4	105
167	Are Obesity and Anthropometry Risk Factors for Diabetic Retinopathy?: The Diabetes Management Project. , 2011, 52, 4416.		104
168	Racial Difference in the Incidence of Retinal Detachment in Singapore. JAMA Ophthalmology, 1999, 117, 379.	2.6	103
169	Systemic associations of retinal microvascular signs: a review of recent population-based studies. Ophthalmic and Physiological Optics, 2005, 25, 195-204.	1.0	103
170	Changes in refraction over 10 years in an adult population: the Beaver Dam Eye study. Investigative Ophthalmology and Visual Science, 2002, 43, 2566-71.	3.3	102
171	Cortical cerebral microinfarcts on 3T MRI. Neurology, 2016, 87, 1583-1590.	1.5	101
172	Digital health during COVID-19: lessons from operationalising new models of care in ophthalmology. The Lancet Digital Health, 2021, 3, e124-e134.	5.9	101
173	Retinal fractals and acute lacunar stroke. Annals of Neurology, 2010, 68, 107-111.	2.8	99
174	Refractive Errors, Axial Ocular Dimensions, and Age-Related Cataracts: The Tanjong Pagar Survey. , 2003, 44, 1479.		98
175	Retinal Microvascular Caliber and Chronic Kidney Disease in an Asian Population. American Journal of Epidemiology, 2008, 169, 625-632.	1.6	98
176	Retinal Arteriolar Caliber Predicts Incident Retinopathy. Diabetes Care, 2008, 31, 761-763.	4.3	98
177	Retinal Vascular Fractal Dimension and Its Relationship With Cardiovascular and Ocular Risk Factors. American Journal of Ophthalmology, 2012, 154, 663-674.e1.	1.7	98
178	Retinal Microvascular Signs and Risk of Stroke. Stroke, 2012, 43, 3245-3251.	1.0	97
179	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	9.4	97
180	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. Neuroscience Letters, 2015, 584, 12-16.	1.0	97

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181	Ethnic Differences in the Prevalence and Risk Factors of Diabetic Retinopathy. Ophthalmology, 2018, 125, 529-536.	2.5	97
182	Associations between Findings on Cranial Magnetic Resonance Imaging and Retinal Photography in the Elderly: The Cardiovascular Health Study. American Journal of Epidemiology, 2006, 165, 78-84.	1.6	96
183	Risk Prediction of Coronary Heart Disease Based on Retinal Vascular Caliber (from the) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66	0.7	95
184	Microvascular Abnormality in Schizophrenia as Shown by Retinal Imaging. American Journal of Psychiatry, 2013, 170, 1451-1459.	4.0	95
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