Tien Y Wong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6438168/publications.pdf

Version: 2024-02-01

642	80,073	558 126	693 253
papers	citations	h-index	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.	5.2	4,514
2	Global Prevalence and Major Risk Factors of Diabetic Retinopathy. Diabetes Care, 2012, 35, 556-564.	8.6	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.	6.3	3,277
4	Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. Ophthalmology, 2016, 123, 1036-1042.	5.2	2,684
5	Diabetic retinopathy. Lancet, The, 2010, 376, 124-136.	13.7	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.	6.3	2,053
7	Age-related macular degeneration. Lancet, The, 2012, 379, 1728-1738.	13.7	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.	6.3	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.	7.4	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.	6.3	1,148
11	Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. Eye and Vision (London, England), 2015, 2, 17.	3.0	1,032
12	Digital technology and COVID-19. Nature Medicine, 2020, 26, 459-461.	30.7	997
13	Age-related macular degeneration. Lancet, The, 2018, 392, 1147-1159.	13.7	958
14	Revised formulas for summarizing retinal vessel diameters. Current Eye Research, 2003, 27, 143-149.	1.5	755
15	Artificial intelligence and deep learning in ophthalmology. British Journal of Ophthalmology, 2019, 103, 167-175.	3.9	754
16	Retinal microvascular abnormalities and incident stroke: the Atherosclerosis Risk in Communities Study. Lancet, The, 2001, 358, 1134-1140.	13.7	743
17	Management of Diabetic Retinopathy. JAMA - Journal of the American Medical Association, 2007, 298, 902.	7.4	731
18	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.	5.2	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.	7.4	678
20	Diabetic retinopathy. Nature Reviews Disease Primers, 2016, 2, 16012.	30.5	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.	2.6	640
22	Hypertensive Retinopathy. New England Journal of Medicine, 2004, 351, 2310-2317.	27.0	618
23	Clinical risk factors for age-related macular degeneration: a systematic review and meta-analysis. BMC Ophthalmology, 2010, 10, 31.	1.4	596
24	International Photographic Classification and Grading System for Myopic Maculopathy. American Journal of Ophthalmology, 2015, 159, 877-883.e7.	3.3	549
25	The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. The Lancet Global Health, 2021, 9, e489-e551.	6.3	549
26	Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. American Journal of Ophthalmology, 2006, 141, 446-455.e1.	3.3	548
27	Retinal Microvascular Abnormalities and their Relationship with Hypertension, Cardiovascular Disease, and Mortality. Survey of Ophthalmology, 2001, 46, 59-80.	4.0	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.	3.3	507
30	The eye in hypertension. Lancet, The, 2007, 369, 425-435.	13.7	492
31	Guidelines on Diabetic Eye Care. Ophthalmology, 2018, 125, 1608-1622.	5.2	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.	8.6	435
33	Cerebral White Matter Lesions, Retinopathy, and Incident Clinical Stroke. JAMA - Journal of the American Medical Association, 2002, 288, 67.	7.4	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.	1.7	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.	5.2	408
36	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	7.1	376

#	Article	IF	Citations
37	Prevalence and Risk Factors for Diabetic Retinopathy. Ophthalmology, 2008, 115, 1869-1875.	5.2	354
38	Current Epidemiology of Diabetic Retinopathy and Diabetic Macular Edema. Current Diabetes Reports, 2012, 12, 346-354.	4.2	353
39	Retinal Vascular Caliber: Systemic, Environmental, and Genetic Associations. Survey of Ophthalmology, 2009, 54, 74-95.	4.0	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.	8.4	341
41	Retinal microvascular abnormalities and 10-year cardiovascular mortality. Ophthalmology, 2003, 110, 933-940.	5.2	334
42	Abnormalities of Retinal Microvascular Structure and Risk of Mortality From Ischemic Heart Disease and Stroke. Hypertension, 2006, 47, 975-981.	2.7	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.	1.7	309
44	Deep learning in ophthalmology: The technical and clinical considerations. Progress in Retinal and Eye Research, 2019, 72, 100759.	15.5	300
45	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology,the, 2019, 7, 140-149.	11.4	299
46	Genome-wide association study identifies FCGR2A as a susceptibility locus for Kawasaki disease. Nature Genetics, 2011, 43, 1241-1246.	21.4	297
47	Retinal vessel diameter and cardiovascular mortality: pooled data analysis from two older populations. European Heart Journal, 2007, 28, 1984-1992.	2.2	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.	3.4	285
49	Retinal Arteriolar Diameter and Risk for Hypertension. Annals of Internal Medicine, 2004, 140, 248.	3.9	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.	5.2	282
52	The prevalence and risk factors of retinal microvascular abnormalities in older persons. Ophthalmology, 2003, 110, 658-666.	5.2	280
53	Obesity and Eye Diseases. Survey of Ophthalmology, 2007, 52, 180-195.	4.0	280
54	Age-related macular degeneration and polypoidal choroidal vasculopathy in Asians. Progress in Retinal and Eye Research, 2016, 53, 107-139.	15.5	276

#	Article	IF	Citations
55	Meta-analysis: Retinal Vessel Caliber and Risk for Coronary Heart Disease. Annals of Internal Medicine, 2009, 151, 404.	3.9	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.	5.2	272
57	Retinal Arteriolar Narrowing and Risk of Diabetes Mellitus in Middle-aged Persons. JAMA - Journal of the American Medical Association, 2002, 287, 2528.	7.4	271
58	Retinal Vascular Imaging. Circulation: Cardiovascular Imaging, 2008, 1, 156-161.	2.6	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.	5.2	263
61	Quantitative Retinal Venular Caliber and Risk of Cardiovascular Disease in Older Persons. Archives of Internal Medicine, 2006, 166, 2388.	3.8	262
62	Polypoidal Choroidal Vasculopathy. Ophthalmology, 2021, 128, 443-452.	5.2	261
63	Digital technology, tele-medicine and artificial intelligence in ophthalmology: A global perspective. Progress in Retinal and Eye Research, 2021, 82, 100900.	15.5	261
64	Are Inflammatory Factors Related to Retinal Vessel Caliber?. JAMA Ophthalmology, 2006, 124, 87.	2.4	256
65	Microvascular network alterations in the retina of patients with Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 135-142.	0.8	255
66	Cardiovascular Risk Factors for Retinal Vein Occlusion and Arteriolar EmboliThe Atherosclerosis Risk in Communities & Cardiovascular Health studies. Ophthalmology, 2005, 112, 540-547.	5.2	254
67	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
68	Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of Clinical Epidemiology, 2020, 122, 56-69.	5.0	245
69	Diabetic macular oedema. Lancet Diabetes and Endocrinology,the, 2017, 5, 143-155.	11.4	242
70	Efficacy and Safety of Ranibizumab With or Without Verteporfin Photodynamic Therapy for Polypoidal Choroidal Vasculopathy. JAMA Ophthalmology, 2017, 135, 1206.	2.5	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.	5.2	236

#	Article	IF	Citations
73	Retinal-Vein Occlusion. New England Journal of Medicine, 2010, 363, 2135-2144.	27.0	226
74	Retinal Microvascular Abnormalities and Cognitive Impairment in Middle-Aged Persons. Stroke, 2002, 33, 1487-1492.	2.0	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.	2.6	223
77	Prospective cohort study of retinal vessel diameters and risk of hypertension. BMJ: British Medical Journal, 2004, 329, 79.	2.3	220
78	Retinal Vascular Tortuosity, Blood Pressure, and Cardiovascular Risk Factors. Ophthalmology, 2011, 118, 812-818.	5.2	220
79	The Relation of Retinal Vessel Caliber to the Incidence and Progressionof Diabetic Retinopathy. JAMA Ophthalmology, 2004, 122, 76.	2.4	218
80	Retinal Vascular Changes in Pre-Diabetes and Prehypertension. Diabetes Care, 2007, 30, 2708-2715.	8.6	215
81	Artificial Intelligence to Detect Papilledema from Ocular Fundus Photographs. New England Journal of Medicine, 2020, 382, 1687-1695.	27.0	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.	21.4	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.	3.9	211
84	Prevalence of Diabetic Retinopathy in Rural China: The Handan Eye Study. Ophthalmology, 2009, 116, 461-467.	5.2	210
85	Retinal Microvasculature as a Model to Study the Manifestations of Hypertension. Hypertension, 2012, 60, 1094-1103.	2.7	208
86	Relation between fasting glucose and retinopathy for diagnosis of diabetes: three population-based cross-sectional studies. Lancet, The, 2008, 371, 736-743.	13.7	207
87	Prevalence and Causes of Low Vision and Blindness in a Rural Chinese Adult Population. Ophthalmology, 2008, 115, 1965-1972.e1.	5.2	206
88	Retinal Microvascular Abnormalities and Renal Dysfunction. Journal of the American Society of Nephrology: JASN, 2004, 15, 2469-2476.	6.1	205
89	ISPAD Clinical Practice Consensus Guidelines 2018: Microvascular and macrovascular complications in children and adolescents. Pediatric Diabetes, 2018, 19, 262-274.	2.9	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.	12.3	205

#	Article	IF	Citations
91	Artificial Intelligence With Deep Learning Technology Looks Into Diabetic Retinopathy Screening. JAMA - Journal of the American Medical Association, 2016, 316, 2366.	7.4	204
92	Retinal Microvascular Abnormalities and MRI-Defined Subclinical Cerebral Infarction. Stroke, 2006, 37, 82-86.	2.0	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.	3.9	198
94	Quantitative and qualitative retinal microvascular characteristics and blood pressure. Journal of Hypertension, 2011, 29, 1380-1391.	0.5	196
95	Imaging retina to study dementia and stroke. Progress in Retinal and Eye Research, 2017, 57, 89-107.	15.5	195
96	Retinopathy and Risk of Congestive Heart Failure. JAMA - Journal of the American Medical Association, 2005, 293, 63.	7.4	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.	2.9	192
98	Relationship of Retinal Vascular Caliber With Diabetes and Retinopathy. Diabetes Care, 2008, 31, 544-549.	8.6	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.	13.7	190
100	Intravitreal Aflibercept Injection in Patients with Myopic Choroidal Neovascularization. Ophthalmology, 2015, 122, 1220-1227.	5.2	189
101	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. JAMA Ophthalmology, 2019, 137, 1353.	2.5	188
102	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy in the PLANET Study. JAMA Ophthalmology, 2018, 136, 786.	2.5	186
103	The Retinal Vasculature as a Fractal: Methodology, Reliability, and Relationship to Blood Pressure. Ophthalmology, 2008, 115, 1951-1956.e1.	5.2	180
104	Quantitative Assessment of Early Diabetic Retinopathy Using Fractal Analysis. Diabetes Care, 2009, 32, 106-110.	8.6	179
105	Vascular risk factors in glaucoma: a review. Clinical and Experimental Ophthalmology, 2011, 39, 252-258.	2.6	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.	8.6	175
107	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. Nature Communications, 2015, 6, 5897.	12.8	173
108	Blood Pressure and Retinal Arteriolar Narrowing in Children. Hypertension, 2007, 49, 1156-1162.	2.7	172

#	Article	IF	Citations
109	Retinal Microvascular Abnormalities and Risk of Lacunar Stroke. Stroke, 2010, 41, 1349-1355.	2.0	172
110	Kidney and eye diseases: common risk factors, etiological mechanisms, and pathways. Kidney International, 2014, 85, 1290-1302.	5.2	172
111	Rates of Progression in Diabetic Retinopathy During Different Time Periods. Diabetes Care, 2009, 32, 2307-2313.	8.6	171
112	Retinal vascular caliber and the development of hypertension. Journal of Hypertension, 2014, 32, 207-215.	0.5	171
113	Retinal Vessel Caliber and Microvascular and Macrovascular Disease in Type 2 Diabetes. Ophthalmology, 2007, 114, 1884-1892.	5.2	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.	10.9	163
115	Retinal Vascular Caliber Measurements: Clinical Significance, Current Knowledge and Future Perspectives. Ophthalmologica, 2013, 229, 125-136.	1.9	162
116	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	21.4	160
117	Glaucoma in Asia: regional prevalence variations and future projections. British Journal of Ophthalmology, 2016, 100, 78-85.	3.9	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.	2.5	159
119	Retinal vascular manifestations of metabolic disorders. Trends in Endocrinology and Metabolism, 2006, 17, 262-268.	7.1	154
120	Cost-effectiveness of a National Telemedicine Diabetic Retinopathy Screening Program in Singapore. Ophthalmology, 2016, 123, 2571-2580.	5.2	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.	12.3	152
122	Optical Coherence Tomographic Angiography in Type 2 Diabetes and Diabetic Retinopathy. JAMA Ophthalmology, 2017, 135, 306.	2.5	151
123	New loci and coding variants confer risk for age-related macular degeneration in East Asians. Nature Communications, 2015, 6, 6063.	12.8	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.	10.2	145
126	Is retinal photography useful in the measurement of stroke risk?. Lancet Neurology, The, 2004, 3, 179-183.	10.2	144

#	Article	IF	Citations
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.	2.8	142
128	Clinical update: new treatments for age-related macular degeneration. Lancet, The, 2007, 370, 204-206.	13.7	138
129	Retinal Vascular Caliber as a Biomarker for Diabetes Microvascular Complications. Diabetes Care, 2013, 36, 750-759.	8.6	138
130	AI for medical imaging goes deep. Nature Medicine, 2018, 24, 539-540.	30.7	138
131	Retinal Arteriolar Narrowing and Left Ventricular Remodeling. Journal of the American College of Cardiology, 2007, 50, 48-55.	2.8	137
132	Prevalence and Causes of Low Vision and Blindness in an Urban Malay Population. JAMA Ophthalmology, 2008, 126, 1091.	2.4	136
133	Retinal Vascular Caliber in Persons with Type 2 DiabetesThe Wisconsin Epidemiological Study of Diabetic Retinopathy: XX. Ophthalmology, 2006, 113, 1488-1498.	5.2	135
134	Myopic choroidal neovascularisation: current concepts and update on clinical management. British Journal of Ophthalmology, 2015, 99, 289-296.	3.9	135
135	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. PLoS Genetics, 2010, 6, e1001184.	3.5	134
136	Progress on retinal image analysis for age related macular degeneration. Progress in Retinal and Eye Research, 2014, 38, 20-42.	15.5	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.	22.5	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.	12.3	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.	21.4	129
140	Alterations in Retinal Microvascular Geometry in Young Type 1 Diabetes. Diabetes Care, 2010, 33, 1331-1336.	8.6	128
141	Retinal microvascular abnormalities and subclinical magnetic resonance imaging brain infarct: a prospective study. Brain, 2010, 133, 1987-1993.	7.6	127
142	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. Cell, 2019, 179, 736-749.e15.	28.9	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.	5.2	124
144	Glycated Hemoglobin and the Risk of Kidney Disease and Retinopathy in Adults With and Without Diabetes. Diabetes, 2011, 60, 298-305.	0.6	124

#	Article	IF	Citations
145	Impact of current and past blood pressure on retinal arteriolar diameter in an older population. Journal of Hypertension, 2004, 22, 1543-1549.	0.5	122
146	Relative Importance of Systemic Determinants of Retinal Arteriolar and Venular Caliber. JAMA Ophthalmology, 2008, 126, 1404.	2.4	120
147	Microvascular Structure and Network in the Retina of Patients With Ischemic Stroke. Stroke, 2013, 44, 2121-2127.	2.0	120
148	Preparedness among Ophthalmologists: During and Beyond the COVID-19 Pandemic. Ophthalmology, 2020, 127, 569-572.	5.2	120
149	Retinal Arteriolar Dilation Predicts Retinopathy in Adolescents With Type 1 Diabetes. Diabetes Care, 2008, 31, 1842-1846.	8.6	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.	2.0	118
152	Impact of hypertension on retinal capillary microvasculature using optical coherence tomographic angiography. Journal of Hypertension, 2019, 37, 572-580.	0.5	117
153	Age-Related Macular Degeneration and Risk of Coronary Heart Disease. Ophthalmology, 2007, 114, 86-91.	5.2	113
154	Plasma Metabonomic Profiling of Diabetic Retinopathy. Diabetes, 2016, 65, 1099-1108.	0.6	113
155	Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. Journal of Hypertension, 2009, 27, 2386-2393.	0.5	112
156	Prevalence and Characteristics of Myopic Retinopathy in a Rural Chinese Adult Population. JAMA Ophthalmology, 2011, 129, 1199.	2.4	112
157	Visual Impairment, Age-Related Eye Diseases, and Cognitive Function. JAMA Ophthalmology, 2012, 130, 895-900.	2.4	112
158	Retinal Vascular Fractals and Microvascular and Macrovascular Complications in Type 1 Diabetes. Ophthalmology, 2010, 117, 1400-1405.	5.2	111
159	The clinical implications of recent studies on the structure and function of the retinal microvasculature in diabetes. Diabetologia, 2015, 58, 871-885.	6.3	111
160	Retinal Imaging Techniques for Diabetic Retinopathy Screening. Journal of Diabetes Science and Technology, 2016, 10, 282-294.	2.2	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.	6.2	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

#	Article	IF	Citations
163	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. Ophthalmic Epidemiology, 2016, 23, 209-222.	1.7	107
164	Ocular Anti-VEGF Therapy for Diabetic Retinopathy: Overview of Clinical Efficacy and Evolving Applications. Diabetes Care, 2014, 37, 900-905.	8.6	106
165	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	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.	2.9	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.	2.4	103
169	Systemic associations of retinal microvascular signs: a review of recent population-based studies. Ophthalmic and Physiological Optics, 2005, 25, 195-204.	2.0	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.	1.1	101
172	Digital health during COVID-19: lessons from operationalising new models of care in ophthalmology. The Lancet Digital Health, 2021, 3, e124-e134.	12.3	101
173	Retinal fractals and acute lacunar stroke. Annals of Neurology, 2010, 68, 107-111.	5.3	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.	3.4	98
176	Retinal Arteriolar Caliber Predicts Incident Retinopathy. Diabetes Care, 2008, 31, 761-763.	8.6	98
177	Retinal Vascular Fractal Dimension and Its Relationship With Cardiovascular and Ocular Risk Factors. American Journal of Ophthalmology, 2012, 154, 663-674.e1.	3.3	98
178	Retinal Microvascular Signs and Risk of Stroke. Stroke, 2012, 43, 3245-3251.	2.0	97
179	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	21.4	97
180	Retinal neurodegeneration on optical coherence tomography and cerebral atrophy. Neuroscience Letters, 2015, 584, 12-16.	2.1	97

#	Article	IF	Citations
181	Ethnic Differences in the Prevalence and Risk Factors of Diabetic Retinopathy. Ophthalmology, 2018, 125, 529-536.	5.2	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.	3.4	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	1.6	95
184	Microvascular Abnormality in Schizophrenia as Shown by Retinal Imaging. American Journal of Psychiatry, 2013, 170, 1451-1459.	7.2	95
185	Nonadherence or Nonpersistence to Intravitreal Injection Therapy for Neovascular Age-Related Macular Degeneration. Ophthalmology, 2021, 128, 234-247.	5.2	95
186	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. PLoS ONE, 2018, 13, e0198166.	2.5	94
187	Comparison of Ranibizumab With or Without Verteporfin Photodynamic Therapy for Polypoidal Choroidal Vasculopathy. JAMA Ophthalmology, 2020, 138, 935.	2.5	93
188	Deep-learning-based cardiovascular risk stratification using coronary artery calcium scores predicted from retinal photographs. The Lancet Digital Health, 2021, 3, e306-e316.	12.3	93
189	Prevalence of Age-Related Macular Degeneration in a Malay Population. Ophthalmology, 2008, 115, 1735-1741.	5.2	90
190	Retinal Vascular Caliber, Diabetes, and Retinopathy. American Journal of Ophthalmology, 2007, 143, 1024-1026.	3.3	89
191	Management Paradigms for Diabetic Macular Edema. American Journal of Ophthalmology, 2014, 157, 505-513.e8.	3.3	89
192	Differential Association of Generalized and Abdominal Obesity With Diabetic Retinopathy in Asian Patients With Type 2 Diabetes. JAMA Ophthalmology, 2016, 134, 251.	2.5	89
193	Singapore Malay Eye Study: rationale and methodology of 6â€year followâ€up study (SiMESâ€2). Clinical and Experimental Ophthalmology, 2012, 40, 557-568.	2.6	86
194	Challenges in Elucidating the Genetics of Diabetic Retinopathy. JAMA Ophthalmology, 2014, 132, 96.	2.5	85
195	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	3.4	85
196	A New Method to Measure Peripheral Retinal Vascular Caliber over an Extended Area. Microcirculation, 2010, 17, no-no.	1.8	84
197	Association of Diabetic Macular Edema and Proliferative Diabetic Retinopathy With Cardiovascular Disease. JAMA Ophthalmology, 2017, 135, 586.	2.5	84
198	Polypoidal Choroidal Vasculopathy in Asians. Journal of Clinical Medicine, 2015, 4, 782-821.	2.4	83

#	Article	IF	Citations
199	Prediction of systemic biomarkers from retinal photographs: development and validation of deep-learning algorithms. The Lancet Digital Health, 2020, 2, e526-e536.	12.3	83
200	Cardiovascular Risk Factors and Retinal Microvascular Signs in an Adult Japanese Population: The Funagata Study. Ophthalmology, 2006, 113, 1378-1384.	5.2	81
201	Retinal Vascular Geometry Predicts Incident Retinopathy in Young People With Type 1 Diabetes. Diabetes Care, 2011, 34, 1622-1627.	8.6	81
202	Retinal Arteriolar Tortuosity is Associated With Retinopathy and Early Kidney Dysfunction in Type 1 Diabetes. American Journal of Ophthalmology, 2012, 153, 176-183.e1.	3.3	80
203	Prevalence, Racial Variations, and Risk Factors of Age-Related Macular Degeneration in Singaporean Chinese, Indians, and Malays. Ophthalmology, 2014, 121, 1598-1603.	5.2	80
204	Smoking, Cardiovascular Risk Factors, and Age-related Macular Degeneration in Asians: The Singapore Malay Eye Study. American Journal of Ophthalmology, 2008, 146, 960-967.e1.	3.3	79
205	Ethnic Differences of Intraocular Pressure and Central Corneal Thickness. Ophthalmology, 2014, 121, 2013-2022.	5.2	78
206	Retinal photograph-based deep learning algorithms for myopia and a blockchain platform to facilitate artificial intelligence medical research: a retrospective multicohort study. The Lancet Digital Health, 2021, 3, e317-e329.	12.3	78
207	Blockchain applications in health care for COVID-19 and beyond: a systematic review. The Lancet Digital Health, 2021, 3, e819-e829.	12.3	77
208	Retinal Vascular Caliber and Risk of Retinopathy in Young Patients with Type 1 Diabetes. Ophthalmology, 2006, 113, 1499-1503.	5.2	76
209	Retinal Vascular Fractal Dimension Is Associated with Cognitive Dysfunction. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 43-50.	1.6	76
210	Relation of Retinopathy to Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis. American Journal of Epidemiology, 2007, 167, 51-58.	3.4	75
211	Prevalence, Risk Factors, and Visual Features of Undiagnosed Glaucoma. JAMA Ophthalmology, 2015, 133, 938.	2.5	74
212	Retinal Vascular Geometry in Asian Persons with Diabetes and Retinopathy. Journal of Diabetes Science and Technology, 2012, 6, 595-605.	2.2	73
213	Randomized Controlled Trial of Intravitreal Ranibizumab Versus Standard Grid Laser for Macular Edema Following Branch Retinal Vein Occlusion. American Journal of Ophthalmology, 2014, 157, 237-247.e1.	3.3	73
214	Microvascular network alterations in retina of subjects with cerebral small vessel disease. Neuroscience Letters, 2014, 577, 95-100.	2.1	73
215	Distribution and Determinants of Choroidal Thickness and Volume Using Automated Segmentation Software in a Population-Based Study. American Journal of Ophthalmology, 2015, 159, 293-301.e3.	3.3	73
216	Choroidal Thickness Changes in Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy: A 12-Month Prospective Study. American Journal of Ophthalmology, 2016, 164, 128-136.e1.	3.3	73

#	Article	IF	Citations
217	HDL-cholesterol levels and risk of age-related macular degeneration: a multiethnic genetic study using Mendelian randomization. International Journal of Epidemiology, 2017, 46, 1891-1902.	1.9	73
218	Hypertensive Retinopathy and Risk of Stroke. Hypertension, 2013, 62, 706-711.	2.7	72
219	Is Choroidal or Scleral Thickness Related to Myopic Macular Degeneration?. , 2017, 58, 907.		72
220	Retinal arteriolar narrowing increases the likelihood of chronic kidney disease in hypertension. Journal of Hypertension, 2009, 27, 2209-2217.	0.5	71
221	Prevalence and Risk Factors of Diabetic Retinopathy in Migrant Indians in an Urbanized Society in Asia. Ophthalmology, 2012, 119, 2119-2124.	5.2	71
222	Glaucoma in myopia: diagnostic dilemmas. British Journal of Ophthalmology, 2019, 103, 1347-1355.	3.9	71
223	Association between digital smart device use and myopia: a systematic review and meta-analysis. The Lancet Digital Health, 2021, 3, e806-e818.	12.3	71
224	Is early age-related maculopathy related to cognitive function? The atherosclerosis risk in communities study. American Journal of Ophthalmology, 2002, 134, 828-835.	3.3	70
225	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. Nature Communications, 2015, 6, 6689.	12.8	70
226	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy: Two-Year Results of the Aflibercept in Polypoidal Choroidal Vasculopathy Study. American Journal of Ophthalmology, 2019, 204, 80-89.	3.3	70
227	Artificial intelligence for diabetic retinopathy screening, prediction and management. Current Opinion in Ophthalmology, 2020, 31, 357-365.	2.9	70
228	Distribution and Determinants of Ocular Biometric Parameters in an Asian Population: The Singapore Malay Eye Study. , 2010, 51, 103.		69
229	Retinal Microvascular Signs and 10-Year Risk of Cerebral Atrophy. Stroke, 2010, 41, 1826-1828.	2.0	69
230	Myopia, Axial Length, and Age-Related Cataract: The Singapore Malay Eye Study. , 2013, 54, 4498.		67
231	Structural Changes in the Retinal Microvasculature and Renal Function. , 2013, 54, 2970.		67
232	Retinal arteriolar emboli: epidemiology and risk of stroke. Current Opinion in Ophthalmology, 2002, 13, 142-146.	2.9	66
233	Retinopathy in Persons With Impaired Glucose Metabolism: The Australian Diabetes Obesity and Lifestyle (AusDiab) Study. American Journal of Ophthalmology, 2005, 140, 1157-1159.	3.3	66
234	Prevalence and determinants of undiagnosed diabetic retinopathy and vision-threatening retinopathy in a multiethnic Asian cohort: the Singapore Epidemiology of Eye Diseases (SEED) study. British Journal of Ophthalmology, 2015, 99, 1614-1621.	3.9	66

#	Article	IF	Citations
235	The Long-term Relation among Retinal Arteriolar Narrowing, Blood Pressure, and Incident Severe Hypertension. American Journal of Epidemiology, 2008, 168, 80-88.	3.4	65
236	THREE-YEAR RESULTS OF POLYPOIDAL CHOROIDAL VASCULOPATHY TREATED WITH PHOTODYNAMIC THERAPY. Retina, 2015, 35, 1577-1593.	1.7	65
237	Ancestry, Socioeconomic Status, and Age-Related Cataract in Asians. Ophthalmology, 2015, 122, 2169-2178.	5.2	65
238	Singapore Indian Eye Studyâ€2: methodology and impact of migration on systemic and eye outcomes. Clinical and Experimental Ophthalmology, 2017, 45, 779-789.	2.6	65
239	Association between Choroidal Thickness and Drusen Subtypes in Age-Related Macular Degeneration. Ophthalmology Retina, 2018, 2, 1196-1205.	2.4	65
240	New Systematic Review Methodology for Visual Impairment and Blindness for the 2010 Global Burden of Disease Study. Ophthalmic Epidemiology, 2013, 20, 33-39.	1.7	64
241	Systemic Associations of Dynamic Retinal Vessel Analysis: A Review of Current Literature. Microcirculation, 2013, 20, 257-268.	1.8	64
242	Retinal Vessel Calibers Predict Long-term Microvascular Complications in Type 1 Diabetes: The Danish Cohort of Pediatric Diabetes 1987 (DCPD1987). Diabetes, 2014, 63, 3906-3914.	0.6	64
243	The Association of Estimated Glomerular Filtration Rate With Diabetic Retinopathy and Macular Edema. , 2015, 56, 4810.		64
244	Myopic Maculopathy and Optic Disc Changes in Highly Myopic Young Asian Eyes and Impact on Visual Acuity. American Journal of Ophthalmology, 2016, 164, 69-79.	3.3	64
245	Retinal Arteriolar Narrowing Predicts 5-Year Risk of Hypertension in Japanese People: The Funagata Study. Microcirculation, 2010, 17, 94-102.	1.8	61
246	Biomarkers of Diabetic Retinopathy. Current Diabetes Reports, 2016, 16, 125.	4.2	61
247	Retinal Vascular Fractal Dimension and Risk of Early Diabetic Retinopathy. Diabetes Care, 2009, 32, 2081-2083.	8.6	60
248	Hyperopic Refractive Error and Shorter Axial Length Are Associated with Age-Related Macular Degeneration: The Singapore Malay Eye Study. , 2010, 51, 6247.		59
249	Emerging Evidence Concerning Systemic Safety of Anti-VEGF Agents â€“ Should Ophthalmologists Be Concerned?. American Journal of Ophthalmology, 2011, 152, 329-331.	3.3	59
250	Genetic Determinants of Age-Related Macular Degeneration in Diverse Populations From the PAGE Study. Investigative Ophthalmology and Visual Science, 2014, 55, 6839-6850.	3.3	59
251	Retinal angiomatous proliferation. Survey of Ophthalmology, 2017, 62, 462-492.	4.0	59
252	Review: Myopia control strategies recommendations from the 2018 WHO/IAPB/BHVI Meeting on Myopia. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-315575.	3.9	59

#	Article	IF	Citations
253	A polygenic risk score improves risk stratification of coronary artery disease: a large-scale prospective Chinese cohort study. European Heart Journal, 2022, 43, 1702-1711.	2.2	58
254	Myopia â€“ A 21st Century Public Health Issue. , 2019, 60, Mi.		57
255	Chronic kidney disease, cardiovascular disease and mortality: A prospective cohort study in a multi-ethnic Asian population. European Journal of Preventive Cardiology, 2015, 22, 1018-1026.	1.8	56
256	Prevalence of Diabetic Retinopathy and Blindness in Indonesian Adults With Type 2 Diabetes. American Journal of Ophthalmology, 2017, 181, 79-87.	3.3	56
257	Artificial intelligence, the internet of things, and virtual clinics: ophthalmology at the digital translation forefront. The Lancet Digital Health, 2020, 2, e8-e9.	12.3	55
258	Quantitative Microvascular Analysis With Wide-Field Optical Coherence Tomography Angiography in Eyes With Diabetic Retinopathy. JAMA Network Open, 2020, 3, e1919469.	5.9	55
259	Retinal Vascular Caliber and Age-related Macular Degeneration: The Singapore Malay Eye Study. American Journal of Ophthalmology, 2008, 146, 954-959.e1.	3.3	54
260	Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. Diabetes, 2019, 68, 441-456.	0.6	54
261	Vision Impairment, Ocular Conditions, and Vision-specific Function: The Singapore Malay Eye Study. Ophthalmology, 2008, 115, 1973-1981.	5.2	53
262	Polymorphisms at newly identified lipid-associated loci are associated with blood lipids and cardiovascular disease in an Asian Malay population. Journal of Lipid Research, 2009, 50, 514-520.	4.2	53
263	The natural history of polypoidal choroidal vasculopathy: a multi-center series of untreated Asian patients. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2075-2085.	1.9	53
264	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. Npj Digital Medicine, 2019, 2, 24.	10.9	53
265	The relationship of retinopathy in persons without diabetes to the 15-year incidence of diabetes and hypertension: Beaver Dam Eye Study. Transactions of the American Ophthalmological Society, 2006, 104, 98-107.	1.4	53
266	A spectrum of retinal vasculature measures and coronary artery disease. Atherosclerosis, 2018, 268, 215-224.	0.8	52
267	A genomeâ€wide association study suggests new evidence for an association of the <scp>NADPH</scp> Oxidase 4 (<scp>NOX</scp>4) gene with severe diabetic retinopathy in type 2 diabetes. Acta Ophthalmologica, 2018, 96, e811-e819.	1.1	52
268	Differential association of retinal arteriolar and venular caliber with diabetes and retinopathy. Diabetes Research and Clinical Practice, 2011, 94, 291-298.	2.8	51
269	Body mass index and retinopathy in Asian populations with diabetes mellitus. Acta Diabetologica, 2015, 52, 73-80.	2.5	51
270	Incidence of Age-Related Macular Degeneration in a Multi-Ethnic United States Population. Ophthalmology, 2016, 123, 1297-1308.	5.2	51

#	Article	IF	Citations
271	Racial Differences in the Prevalence of Hypertensive Retinopathy. Hypertension, 2003, 41, 1086-1091.	2.7	50
272	Three-Year Incidence and Cumulative Prevalence of Retinopathy: The Atherosclerosis Risk in Communities Study. American Journal of Ophthalmology, 2007, 143, 970-976.	3.3	50
273	Lipids and diabetic retinopathy. Expert Opinion on Biological Therapy, 2012, 12, 93-105.	3.1	49
274	Retinal Vascular Fractals and Cognitive Impairment. Dementia and Geriatric Cognitive Disorders Extra, 2014, 4, 305-313.	1.3	49
275	CHARACTERIZATION AND DIFFERENTIATION OF POLYPOIDAL CHOROIDAL VASCULOPATHY USING SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2017, 37, 1464-1474.	1.7	49
276	Retinal Nerve Fiber Layer Thickness in a Multiethnic Normal Asian Population. Ophthalmology, 2019, 126, 702-711.	5.2	49
277	Cataract Extraction Rates Among Chinese, Malays, and Indians in Singapore. JAMA Ophthalmology, 2001, 119, 727.	2.4	48
278	A Prospective Cohort Study of Retinal Arteriolar Narrowing and Mortality. American Journal of Epidemiology, 2004, 159, 819-825.	3.4	48
279	Retinal Arteriolar Narrowing and Left Ventricular Hypertrophy in African Americans. The Atherosclerosis Risk in Communities (ARIC) Study. American Journal of Hypertension, 2008, 21, 352-359.	2.0	48
280	Retinal Vascular Caliber and Diabetes in a Multiethnic Asian Population. Microcirculation, 2009, 16, 534-543.	1.8	48
281	Retinal Microvasculature in Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, S339-S352.	2.6	48
282	Retinal vascular geometry and 6Âyear incidence and progression of diabetic retinopathy. Diabetologia, 2017, 60, 1770-1781.	6.3	48
283	Retinal microvasculature dysfunction is associated with Alzheimerâ€™s disease and mild cognitive impairment. Alzheimer's Research and Therapy, 2020, 12, 161.	6.2	48
284	Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. PLoS ONE, 2020, 15, e0229665.	2.5	48
285	Optic Disc Classification by Deep Learning versus Expert Neuroâ€Ophthalmologists. Annals of Neurology, 2020, 88, 785-795.	5.3	48
286	Elevated Serum Leptin, Adiponectin and Leptin to Adiponectin Ratio Is Associated with Chronic Kidney Disease in Asian Adults. PLoS ONE, 2015, 10, e0122009.	2.5	48
287	Retinal Microvascular Signs May Provide Clues to the Underlying Vasculopathy in Patients With Deep Intracerebral Hemorrhage. Stroke, 2010, 41, 618-623.	2.0	47
288	Racial Differences in the Prevalence of Diabetes but Not Diabetic Retinopathy in a Multi-ethnic Asian Population. , 2011, 52, 7586.		47

#	Article	IF	Citations
289	Glaucoma and Associated Visual Acuity and Field Loss Significantly Affect Glaucoma-Specific Psychosocial Functioning. Ophthalmology, 2015, 122, 494-501.	5.2	47
290	Prevalence and Risk Factors for Nonexudative Neovascularization in Fellow Eyes of Patients With Unilateral Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy. , 2017, 58, 3488.		47
291	Impact of systemic vascular risk factors on the choriocapillaris using optical coherence tomography angiography in patients with systemic hypertension. Scientific Reports, 2019, 9, 5819.	3.3	47
292	A Prospective Study of Treatment Patterns and 1-Year Outcome of Asian Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy. PLoS ONE, 2014, 9, e101057.	2.5	47
293	Determinants of Retinal Venular Diameter: The Beaver Dam Eye Study. Ophthalmology, 2012, 119, 2563-2571.	5.2	46
294	Increased Burden of Vision Impairment and Eye Diseases in Persons with Chronic Kidney Disease â€" A Population-Based Study. EBioMedicine, 2016, 5, 193-197.	6.1	46
295	CHOROIDAL VASCULAR HYPERPERMEABILITY AS A PREDICTOR OF TREATMENT RESPONSE FOR POLYPOIDAL CHOROIDAL VASCULOPATHY. Retina, 2018, 38, 1509-1517.	1.7	46
296	The Bidirectional Relationship between Vision and Cognition. Ophthalmology, 2021, 128, 981-992.	5.2	46
297	Retinal imaging in Alzheimerâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 983-994.	1.9	46
298	Determinants of Retinal Microvascular Architecture in Normal Subjects. Microcirculation, 2009, 16, 159-166.	1.8	45
299	Reliability and Determinants of Retinal Vessel Oximetry Measurements in Healthy Eyes. , 2014, 55, 7104.		44
300	Retinal Vascular Imaging Markers and Incident Chronic Kidney Disease: A Prospective Cohort Study. Scientific Reports, 2017, 7, 9374.	3.3	44
301	The War on Diabetic Retinopathy: Where Are We Now?. Asia-Pacific Journal of Ophthalmology, 2019, 8, 448-456.	2.5	44
302	Prevalence and causes of blindness and vision impairment: magnitude, temporal trends and projections in South and Central Asia. British Journal of Ophthalmology, 2019, 103, 871-877.	3.9	44
303	Asian ageâ€related macular degeneration phenotyping study: rationale, design and protocol of a prospective cohort study. Clinical and Experimental Ophthalmology, 2012, 40, 727-735.	2.6	43
304	Association of Systemic Medication Use With Intraocular Pressure in a Multiethnic Asian Population. JAMA Ophthalmology, 2017, 135, 196.	2.5	43
305	Similarities and differences in early retinal phenotypes in hypertension and diabetes. Journal of Hypertension, 2011, 29, 1667-1675.	0.5	42
306	Comparison of Common Retinal Vessel Caliber Measurement Software and a Conversion Algorithm. Translational Vision Science and Technology, 2016, 5, 11.	2.2	42

#	Article	IF	Citations
307	Retinal vascular imaging in early life: insights into processes and risk of cardiovascular disease. Journal of Physiology, 2016, 594, 2175-2203.	2.9	42
308	Choroidal thickness and risk characteristics of eyes with myopic choroidal neovascularization. Acta Ophthalmologica, 2013, 91, e580-e581.	1.1	41
309	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. Schizophrenia Research, 2015, 164, 47-52.	2.0	41
310	Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. Diabetologia, 2015, 58, 2476-2485.	6.3	41
311	Inter-relationship between ocular perfusion pressure, blood pressure, intraocular pressure profiles and primary open-angle glaucoma: the Singapore Epidemiology of Eye Diseases study. British Journal of Ophthalmology, 2018, 102, 1402-1406.	3.9	41
312	Incidence of Fellow Eye Involvement in Patients With Unilateral Exudative Age-Related Macular Degeneration. JAMA Ophthalmology, 2018, 136, 905.	2.5	41
313	Genome-Wide Meta-Analysis of Myopia and Hyperopia Provides Evidence for Replication of 11 Loci. PLoS ONE, 2014, 9, e107110.	2.5	40
314	Whole-exome sequencing implicates UBE3D in age-related macular degeneration in East Asian populations. Nature Communications, 2015, 6, 6687.	12.8	40
315	Prevalence and Determinants of Suboptimal Vitamin D Levels in a Multiethnic Asian Population. Nutrients, 2017, 9, 313.	4.1	40
316	From reading books to increased smart device screen time. British Journal of Ophthalmology, 2019, 103, 1-2.	3.9	40
317	Deep Learning Approach for Automated Detection of Myopic Maculopathy and Pathologic Myopia in Fundus Images. Ophthalmology Retina, 2021, 5, 1235-1244.	2.4	40
318	Retinal Vessel Caliber and Lifelong Neuropsychological Functioning. Psychological Science, 2013, 24, 1198-1207.	3.3	39
319	Current Concepts in Diabetic Retinopathy. Diabetes and Metabolism Journal, 2014, 38, 416.	4.7	39
320	Usefulness of Retinal Microvascular Endothelial Dysfunction as a Predictor of Coronary Artery Disease. American Journal of Cardiology, 2015, 115, 609-613.	1.6	39
321	IMPROVED DETECTION AND DIAGNOSIS OF POLYPOIDAL CHOROIDAL VASCULOPATHY USING A COMBINATION OF OPTICAL COHERENCE TOMOGRAPHY AND OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2019, 39, 1655-1663.	1.7	39
322	Dynamic Responses in Retinal Vessel Caliber With Flicker Light Stimulation in Eyes With Diabetic Retinopathy. , 2014, 55, 5207.		38
323	Health Burden Associated with Visual Impairment in Singapore. Ophthalmology, 2014, 121, 1837-1842.	5.2	38
324	Determinants of Optical Coherence Tomographyâ€“Derived Minimum Neuroretinal Rim Width in a Normal Chinese Population. , 2015, 56, 3337.		38

#	Article	IF	Citations
325	Systemic hypertension associated retinal microvascular changes can be detected with optical coherence tomography angiography. Scientific Reports, 2020, 10, 9580.	3.3	38
326	Hypertensive retinopathy. Journal of Hypertension, 2013, 31, 960-965.	0.5	37
327	Assessment of Iris Surface Features and TheirÂRelationship with Iris Thickness in Asian Eyes. Ophthalmology, 2014, 121, 1007-1012.	5.2	37
328	Association of Vision Impairment and Major Eye Diseases With Mobility and Independence in a Chinese Population. JAMA Ophthalmology, 2016, 134, 1087.	2.5	37
329	Metabolic syndrome and eye diseases. Diabetes Research and Clinical Practice, 2016, 113, 86-100.	2.8	37
330	Next generation telemedicine platforms to screen and triage. British Journal of Ophthalmology, 2020, 104, 299-300.	3.9	37
331	Retinopathy in Persons without Diabetes. Ophthalmology, 2010, 117, 531-537.e2.	5.2	36
332	Impact of early and late age-related macular degeneration on vision-specific functioning. British Journal of Ophthalmology, 2011, 95, 666-670.	3.9	36
333	Aspirin for the prevention of cognitive decline in the elderly: rationale and design of a neuro-vascular imaging study (ENVIS-ion). BMC Neurology, 2012, 12, 3.	1.8	36
334	Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2020, 104, 616-622.	3.9	36
335	Retinopathy Signs in People without Diabetes. Ophthalmology, 2011, 118, 656-662.	5.2	35
336	Impact of Migration and Acculturation on Prevalence of Type 2 Diabetes and Related Eye Complications in Indians Living in a Newly Urbanised Society. PLoS ONE, 2012, 7, e34829.	2.5	35
337	Racial Differences in Retinal Vessel Geometric Characteristics: A Multiethnic Study in Healthy Asians. , 2013, 54, 3650.		35
338	Meta-analysis of genome-wide association studies in multiethnic Asians identifies two loci for age-related nuclear cataract. Human Molecular Genetics, 2014, 23, 6119-6128.	2.9	35
339	Artificial Intelligence in Ophthalmology in 2020: A Technology on the Cusp for Translation and Implementation. Asia-Pacific Journal of Ophthalmology, 2020, 9, 61-66.	2.5	35
340	Metabolomics of Diabetic Retinopathy. Current Diabetes Reports, 2017, 17, 102.	4.2	34
341	Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.	5.2	34
342	Lack of Awareness of Common Eye Conditions in the Community. Ophthalmic Epidemiology, 2013, 20, 52-60.	1.7	33

#	Article	IF	Citations
343	Retinal Microvascular Abnormalities and Risk of Renal Failure in Asian Populations. PLoS ONE, 2015, 10, e0118076.	2.5	33
344	Diagnosis of Diabetes Mellitus Using HbA1c in Asians: Relationship Between HbA1c and Retinopathy in a Multiethnic Asian Population. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 689-696.	3.6	33
345	Retinal Vessel Tortuosity and Its Relation to Traditional and Novel Vascular Risk Markers in Persons with Diabetes. Current Eye Research, 2016, 41, 1-7.	1.5	33
346	Comorbidity of dementia and age-related macular degeneration calls for clinical awareness: a meta-analysis. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313277.	3.9	33
347	Vision Impairment in CKD Patients: Epidemiology, Mechanisms, Differential Diagnoses, and Prevention. American Journal of Kidney Diseases, 2019, 73, 846-857.	1.9	33
348	Retinal microvascular signs in COVID-19. British Journal of Ophthalmology, 2022, 106, 1308-1312.	3.9	33
349	Accuracy of a Deep Learning System for Classification of Papilledema Severity on Ocular Fundus Photographs. Neurology, 2021, 97, e369-e377.	1.1	33
350	The Global Extent of Undetected Glaucoma in Adults. Ophthalmology, 2021, 128, 1393-1404.	5.2	33
351	Effect of blood pressure on the retinal vasculature in a multi-ethnic Asian population. Hypertension Research, 2009, 32, 975-982.	2.7	32
352	C-Reactive Protein and Retinal Microvascular Caliber in a Multiethnic Asian Population. American Journal of Epidemiology, 2010, 171, 206-213.	3.4	32
353	Interventions for Diabetic Retinopathy in Type 1 Diabetes: Systematic Review and Meta-Analysis. American Journal of Ophthalmology, 2015, 160, 1055-1064.e4.	3.3	32
354	Eyeing cardiovascular risk factors. Nature Biomedical Engineering, 2018, 2, 140-141.	22.5	32
355	Cataract Prevalence Varies Substantially with Assessment Systems: Comparison of Clinical and Photographic Grading in a Population-Based Study. Ophthalmic Epidemiology, 2011, 18, 164-170.	1.7	31
356	Retinal arteriolar caliber and urine albumin excretion: the Multi-Ethnic Study of Atherosclerosis. Nephrology Dialysis Transplantation, 2011, 26, 3523-3528.	0.7	31
357	Retinal Microvasculature and Cardiovascular Health in Childhood. Pediatrics, 2015, 135, 678-685.	2.1	31
358	Choroidal Structural Changes in Myopic Choroidal Neovascularization After Treatment With Antivascular Endothelial Growth Factor Over 1 Year. , 2016, 57, 4933.		31
359	Six-Year Incidence of Age-Related Macular Degeneration in Asian Malays. Ophthalmology, 2017, 124, 1305-1313.	5.2	31
360	Diabetic Retinopathy and Macular Edema Quality-of-Life Item Banks: Development and Initial Evaluation Using Computerized Adaptive Testing. , 2017, 58, 6379.		31

#	Article	IF	Citations
361	The Relationship between Generalized and Abdominal Obesity with Diabetic Kidney Disease in Type 2 Diabetes: A Multiethnic Asian Study and Meta-Analysis. Nutrients, 2018, 10, 1685.	4.1	31
362	A multi-ancestry genome-wide study incorporating geneâ€“smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. Human Molecular Genetics, 2019, 28, 2615-2633.	2.9	31
363	DIABETIC MACULAR ISCHEMIA. Retina, 2020, 40, 2184-2190.	1.7	31
364	Retinal Vascular Caliber Changes after Intravitreal Triamcinolone Treatment for Diabetic Macular Edema. , 2008, 49, 4707.		30
365	Differential effect of body mass index on the incidence of diabetes and diabetic retinopathy in two Asian populations. Nutrition and Diabetes, 2018, 8, 16.	3.2	30
366	Global Assessment of Retinal Arteriolar, Venular and Capillary Microcirculations Using Fundus Photographs and Optical Coherence Tomography Angiography in Diabetic Retinopathy. Scientific Reports, 2019, 9, 11751.	3.3	30
367	The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. Diabetes Research and Clinical Practice, 2020, 159, 107967.	2.8	30
368	Refractive errors and 10-year incidence of age-related maculopathy. Investigative Ophthalmology and Visual Science, 2002, 43, 2869-73.	3.3	30
369	Lens opacity and refractive influences on the measurement of retinal vascular fractal dimension. Acta Ophthalmologica, 2010, 88, e234-40.	1.1	29
370	Retinal vascular calibre as a predictor of incidence and progression of diabetic retinopathy. Australasian journal of optometry, The, 2012, 95, 290-296.	1.3	29
371	How Much Eye Care Services Do Asian Populations Need? Projection from the Singapore Epidemiology of Eye Disease (SEED) Study. , 2013, 54, 2171.		29
372	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. Psychosomatic Medicine, 2014, 76, 732-738.	2.0	29
373	Sex Differences in Retinal Microvasculature Through Puberty In Type 1 Diabetes: Are Girls at Greater Risk of Diabetic Microvascular Complications?. Investigative Ophthalmology and Visual Science, 2015, 56, 571-577.	3.3	29
374	Joint Effects of Intraocular Pressure and Myopia on Risk of Primary Open-Angle Glaucoma: The Singapore Epidemiology of Eye Diseases Study. Scientific Reports, 2016, 6, 19320.	3.3	29
375	Retinal Vessel Geometry and the Incidence and Progression of Diabetic Retinopathy. , 2017, 58, BIO200.		29
376	A novel model of persistent retinal neovascularization for the development of sustained anti-VEGF therapies. Experimental Eye Research, 2018, 174, 98-106.	2.6	29
377	Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population. Ophthalmology, 2020, 127, 1064-1076.	5.2	29
378	Estrogen Replacement Therapy and Retinal Vascular Caliber. Ophthalmology, 2005, 112, 553-558.	5.2	28

#	Article	IF	Citations
379	Prevalence and Risk Factors of Retinopathy in an Asian Population Without Diabetes. JAMA Ophthalmology, 2010, 128, 40.	2.4	28
380	Aggregate Effects of Intraocular Pressure and Cup-to-Disc Ratio Genetic Variants on Glaucoma in a Multiethnic Asian Population. Ophthalmology, 2015, 122, 1149-1157.	5.2	28
381	Novel Genetic Loci Associated With Retinal Microvascular Diameter. Circulation: Cardiovascular Genetics, 2016, 9, 45-54.	5.1	28
382	The Evolution of Fibrosis and Atrophy and Their Relationship with Visual Outcomes in Asian Persons with Neovascular Age-Related Macular Degeneration. Ophthalmology Retina, 2019, 3, 1045-1055.	2.4	28
383	Technical and imaging factors influencing performance of deep learning systems for diabetic retinopathy. Npj Digital Medicine, 2020, 3, 40.	10.9	28
384	New digital models of care in ophthalmology, during and beyond the COVID-19 pandemic. British Journal of Ophthalmology, 2022, 106, 452-457.	3.9	28
385	Retinopathy and Lobar Intracerebral Hemorrhage. Archives of Neurology, 2010, 67, 1224.	4.5	27
386	Genetic Loci for Retinal Arteriolar Microcirculation. PLoS ONE, 2013, 8, e65804.	2.5	27
387	Incidence of Myocardial Infarction, Stroke, and Death in Patients With Age-Related Macular Degeneration Treated With Intravitreal Antiâ€"Vascular Endothelial Growth Factor Therapy. American Journal of Ophthalmology, 2015, 159, 557-564.e1.	3.3	27
388	Peripapillary choroidal thickness assessed using automated choroidal segmentation software in an Asian population. British Journal of Ophthalmology, 2015, 99, 920-926.	3.9	27
389	Retinopathy Signs Improved Prediction and Reclassification of Cardiovascular Disease Risk in Diabetes: A prospective cohort study. Scientific Reports, 2017, 7, 41492.	3.3	27
390	The Effect of Testing Reliability on Visual Field Sensitivity in Normal Eyes. Ophthalmology, 2018, 125, 15-21.	5.2	27
391	CHARACTERIZATION OF THE CHOROIDAL VASCULATURE IN MYOPIC MACULOPATHY WITH OPTICAL COHERENCE TOMOGRAPHIC ANGIOGRAPHY. Retina, 2019, 39, 1742-1750.	1.7	27
392	Impaired retinal microvascular function predicts long-term adverse events in patients with cardiovascular disease. Cardiovascular Research, 2021, 117, 1949-1957.	3.8	27
393	Genetic Determinants of Retinal Vascular Caliber. Hypertension, 2006, 47, 644-645.	2.7	26
394	The Relationship of Retinal Vessel Geometric Characteristics to the Incidence and Progression of Diabetic Retinopathy. Ophthalmology, 2018, 125, 1784-1792.	5.2	26
395	COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. Scientific Reports, 2021, 11, 10795.	3.3	26
396	Relationship Between Peripapillary Choroid and Retinal Nerve Fiber Layer Thickness in a Population-Based Sample of Nonglaucomatous Eyes. American Journal of Ophthalmology, 2016, 161, 4-11.e2.	3.3	25

#	Article	IF	Citations
397	Cerebral microbleeds and neuropsychiatric symptoms in an elderly Asian cohort. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 7-11.	1.9	25
398	Six-Year Incidence of and Risk Factors for Cataract Surgery in a Multi-ethnic Asian Population. Ophthalmology, 2018, 125, 1844-1853.	5.2	25
399	The use of real-world evidence for evaluating antiâ€“vascular endothelial growth factor treatment of neovascular age-related macular degeneration. Survey of Ophthalmology, 2019, 64, 707-719.	4.0	25
400	Real-World Treatment Outcomes of Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy in Asians. Ophthalmology Retina, 2020, 4, 403-414.	2.4	25
401	Singapore Chinese Eye Study: key findings from baseline examination and the rationale, methodology of the 6-year follow-up series. British Journal of Ophthalmology, 2020, 104, 610-615.	3.9	25
402	Hypertensive eye disease. Nature Reviews Disease Primers, 2022, 8, 14.	30.5	25
403	Linkage disequilibrium and signatures of positive selection around LINE-1 retrotransposons in the human genome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8131-8136.	7.1	24
404	HLA-DR3 and DR4 and their relation to the incidence and progression of diabetic retinopathy1 1The authors have no proprietary interest in any of the products mentioned in this study.. Ophthalmology, 2002, 109, 275-281.	5.2	23
405	Diabetic Retinopathy in 2011: Further Insights From New Epidemiological Studies and Clinical Trials. Diabetes Care, 2011, 34, 1066-1067.	8.6	23
406	Personalized Medicine in Ophthalmology: From Pharmacogenetic Biomarkers to Therapeutic and Dosage Optimization. Journal of Personalized Medicine, 2013, 3, 40-69.	2.5	23
407	Are C-Reactive Protein Associated Genetic Variants Associated with Serum Levels and Retinal Markers of Microvascular Pathology in Asian Populations from Singapore?. PLoS ONE, 2013, 8, e67650.	2.5	23
408	Gestational diabetes mellitus and retinal microvasculature. BMC Ophthalmology, 2017, 17, 4.	1.4	23
409	A nationwide cohort study of cigarette smoking and risk of neovascular age-related macular degeneration in East Asian men. British Journal of Ophthalmology, 2017, 101, 1367-1373.	3.9	23
410	Human pharyngeal microbiota in age-related macular degeneration. PLoS ONE, 2018, 13, e0201768.	2.5	23
411	Prevalence and causes of visionÂloss in South-east Asia and Oceania in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2019, 103, 878-884.	3.9	23
412	Prevalence and causes of vision loss in North Africa and MiddleÂEast in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2019, 103, 863-870.	3.9	23
413	Detection of features associated with neovascular age-related macular degeneration in ethnically distinct data sets by an optical coherence tomography: trained deep learning algorithm. British Journal of Ophthalmology, 2021, 105, 1133-1139.	3.9	23
414	Six-month visual prognosis in eyes with submacular hemorrhage secondary to age-related macular degeneration or polypoidal choroidal vasculopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 19-25.	1.9	22

#	Article	IF	Citations
415	Genome-Wide Association Study of Retinopathy in Individuals without Diabetes. PLoS ONE, 2013, 8, e54232.	2.5	22
416	Ethnic Variation in Early Age-Related Macular Degeneration Lesions Between White Australians and Singaporean Asians. , 2014, 55, 4421.		22
417	Serum Cystatin C, Markers of Chronic Kidney Disease, and Retinopathy in Persons with Diabetes. Journal of Diabetes Research, 2015, 2015, 1-8.	2.3	22
418	MYOPIC RETINOSCHISIS IN ASIANS. Retina, 2016, 36, 717-726.	1.7	22
419	Plasma lipoprotein subfraction concentrations are associated with lipid metabolism and age-related macular degeneration. Journal of Lipid Research, 2017, 58, 1785-1796.	4.2	22
420	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci in Patients with Early Stages of Angle-Closure Disease. Ophthalmology, 2018, 125, 664-670.	5.2	22
421	Trends of Visual Impairment and Blindness in the Singapore Chinese Population over a Decade. Scientific Reports, 2018, 8, 12224.	3.3	22
422	Patterns and Risk Factor Profiles of Visual Loss in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. American Journal of Ophthalmology, 2019, 206, 48-73.	3.3	22
423	Anti-vascular endothelial growth factor treatment for eye diseases. BMJ, The, 2012, 344, e2970-e2970.	6.0	21
424	Complete Blood Count and Retinal Vessel Calibers. PLoS ONE, 2014, 9, e102230.	2.5	21
425	Automatic white matter lesion segmentation using contrast enhanced FLAIR intensity and Markov Random Field. Computerized Medical Imaging and Graphics, 2015, 45, 102-111.	5.8	21
426	Moderate consumption of white and fortified wine is associated with reduced odds of diabetic retinopathy. Journal of Diabetes and Its Complications, 2015, 29, 1009-1014.	2.3	21
427	Relationship of systemic endothelial function and peripheral arterial stiffness with diabetic retinopathy. British Journal of Ophthalmology, 2015, 99, 837-841.	3.9	21
428	Type 2 Diabetes Genetic Variants and Risk of Diabetic Retinopathy. Ophthalmology, 2017, 124, 336-342.	5.2	21
429	Progressive Retinal Vasodilation in Patients With Type 1 Diabetes: A Longitudinal Study of Retinal Vascular Geometry. , 2017, 58, 2503.		21
430	Classification of Exudative Age-Related Macular Degeneration With Pachyvessels on En Face Swept-Source Optical Coherence Tomography. , 2017, 58, 1054.		21
431	Recent advances in the applications of metabolomics in eye research. Analytica Chimica Acta, 2018, 1037, 28-40.	5.4	21
432	Diabetic macular oedema: evidenceâ€based treatment recommendations for Asian countries. Clinical and Experimental Ophthalmology, 2018, 46, 75-86.	2.6	21

#	Article	IF	Citations
433	Prevalence, subtypes, severity and determinants of ocular trauma: The Singapore Chinese Eye Study. British Journal of Ophthalmology, 2018, 102, 204-209.	3.9	21
434	COMPARISON OF OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHIC CHANGES AFTER ANTIâ€"VASCULAR ENDOTHELIAL GROWTH FACTOR THERAPY ALONE OR IN COMBINATION WITH PHOTODYNAMIC THERAPY IN POLYPOIDAL CHOROIDAL VASCULOPATHY. Retina, 2018, 38, 1675-1687.	1.7	21
435	Evolving Practice Patterns in Singapore's Public Sector Ophthalmology Centers During the COVID-19 Pandemic. Asia-Pacific Journal of Ophthalmology, 2020, 9, 285-290.	2.5	21
436	Apolipoprotein E Gene Polymorphisms and Retinal Vascular Signs. JAMA Ophthalmology, 2007, 125, 813.	2.4	20
437	Composite Measures of Individual and Area-Level Socio-Economic Status Are Associated with Visual Impairment in Singapore. PLoS ONE, 2015, 10, e0142302.	2.5	20
438	Sexâ€Specific Association of Obstructive Sleep Apnea With Retinal Microvascular Signs: The Multiâ€Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2016, 5, .	3.7	20
439	Relationship Between Sleep and Symptoms of Tear Dysfunction in Singapore Malays and Indians. , 2019, 60, 1889.		20
440	Detrimental Effect of Delayed Re-treatment of Active Disease on Outcomes in Neovascular Age-Related Macular Degeneration. Ophthalmology Retina, 2020, 4, 871-880.	2.4	20
441	Patterns and Determinants of Choroidal Thickness in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. Ophthalmology Retina, 2021, 5, 458-467.	2.4	20
442	Referral for disease-related visual impairment using retinal photograph-based deep learning: a proof-of-concept, model development study. The Lancet Digital Health, 2021, 3, e29-e40.	12.3	20
443	Non-ICGA treatment criteria for Suboptimal Anti-VEGF Response for Polypoidal Choroidal Vasculopathy: APOIS PCV Workgroup Report 2. Ophthalmology Retina, 2021, 5, 945-953.	2.4	20
444	Admixture Mapping Scans Identify a Locus Affecting Retinal Vascular Caliber in Hypertensive African Americans: the Atherosclerosis Risk in Communities (ARIC) Study. PLoS Genetics, 2010, 6, e1000908.	3.5	19
445	Ten-Year Longitudinal Changes in Retinal Microvascular Lesions. Ophthalmology, 2011, 118, 1612-1618.	5.2	19
446	The Relationship between Changes in Body Mass Index and Retinal Vascular Caliber in Children. Journal of Pediatrics, 2014, 165, 1166-1171.e1.	1.8	19
447	Visual Impairment in White, Chinese, Black, and Hispanic Participants from the Multi-Ethnic Study of Atherosclerosis Cohort. Ophthalmic Epidemiology, 2015, 22, 321-332.	1.7	19
448	Iris Crypts Influence Dynamic Changes of Iris Volume. Ophthalmology, 2016, 123, 2077-2084.	5.2	19
449	The impact of typical neovascular age-related macular degeneration and polypoidal choroidal vasculopathy on vision-related quality of life in Asian patients. British Journal of Ophthalmology, 2017, 101, 591-596.	3.9	19
450	Incidence and risk factors of symptomatic dry eye disease in Asian Malays from the Singapore Malay Eye Study. Ocular Surface, 2017, 15, 742-748.	4.4	19

#	Article	IF	Citations
451	ZIKA-RELATED MACULOPATHY. Retinal Cases and Brief Reports, 2019, 13, 171-173.	0.6	19
452	Prevalence and predictors of myopic macular degeneration among Asian adults: pooled analysis from the Asian Eye Epidemiology Consortium. British Journal of Ophthalmology, 2021, 105, 1140-1148.	3.9	19
453	Treat-and-Extend Regimens for the Management of Neovascular Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy: Consensus and Recommendations From the Asia-Pacific Vitreo-retina Society. Asia-Pacific Journal of Ophthalmology, 2021, 10, 507-518.	2.5	19
454	Parental History of Hypertension Is Associated With Narrower Retinal Arteriolar Caliber in Young Girls. Hypertension, 2011, 58, 425-430.	2.7	18
455	Prevalence and risk factors for retinopathy in persons without diabetes: the <scp>S</scp>ingapore <scp>I</scp>ndian <scp>E</scp>ye <scp>S</scp>tudy. Acta Ophthalmologica, 2014, 92, e602-9.	1.1	18
456	The prognostic role of body mass index on mortality amongst the middle-aged and elderly: A competing risk analysis. Diabetes Research and Clinical Practice, 2014, 103, 42-50.	2.8	18
457	Fibrosis-related biomarkers and large and small vessel disease: The Cardiovascular Health Study. Atherosclerosis, 2015, 239, 539-546.	0.8	18
458	Myopiaâ€”The Silent Epidemic That Should Not Be Ignored. JAMA Ophthalmology, 2016, 134, 1363.	2.5	18
459	Proliferative diabetic retinopathy: laser or eye injection?. Lancet, The, 2017, 389, 2165-2166.	13.7	18
460	Dynamic Responses in Retinal Vessel Caliber With Flicker Light Stimulation and Risk of Diabetic Retinopathy and Its Progression. , 2017, 58, 2449.		18
461	CURRENT CONCEPTS AND MODALITIES FOR MONITORING THE FELLOW EYE IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. Retina, 2020, 40, 599-611.	1.7	18
462	Choriocapillaris microvasculature dysfunction in systemic hypertension. Scientific Reports, 2021, 11, 4603.	3.3	18
463	Traditional and Novel Risk Factors of Diabetic Retinopathy and Research Challenges. Current Medicinal Chemistry, 2013, 20, 3189-3199.	2.4	18
464	Differential Impact of Unilateral and Bilateral Classifications of Diabetic Retinopathy and Diabetic Macular Edema on Vision-Related Quality of Life. , 2016, 57, 4655.		17
465	Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. Diabetes, 2017, 66, 3130-3141.	0.6	17
466	Factors affecting signal strength in spectralâ€domain optical coherence tomography. Acta Ophthalmologica, 2018, 96, e54-e58.	1.1	17
467	Retinal Vasculature Fractal and Stroke Mortality. Stroke, 2021, 52, 1276-1282.	2.0	17
468	Characteristics of myopic traction maculopathy in myopic Singaporean adults. British Journal of Ophthalmology, 2021, 105, 531-537.	3.9	17

#	Article	IF	Citations
469	Genetic risk, ethnic variations and pharmacogenetic biomarkers in AMD and polypoidal choroidal vasculopathy. Expert Review of Ophthalmology, 2013, 8, 127-140.	0.6	16
470	Is Corneal Arcus Independently Associated With Incident Cardiovascular Disease in Asians?. American Journal of Ophthalmology, 2017, 183, 99-106.	3.3	16
471	Reporting on deep learning algorithms in health care. The Lancet Digital Health, 2019, 1, e328-e329.	12.3	16
472	Recommendations for OCT Angiography Reporting in Retinal Vascular Disease. Ophthalmology Retina, 2022, 6, 753-761.	2.4	16
473	Prevalence, Correlates, and Impact of Uncorrected Presbyopia in a Multiethnic Asian Population. American Journal of Ophthalmology, 2016, 168, 191-200.	3.3	15
474	Temporal changes in retinal vascular parameters associated with successful panretinal photocoagulation in proliferative diabetic retinopathy: A prospective clinical interventional study. Acta Ophthalmologica, 2018, 96, 405-410.	1.1	15
475	Is Myopia Associated with the Incidence and Progression of Diabetic Retinopathy?. American Journal of Ophthalmology, 2019, 208, 226-233.	3.3	15
476	Using Uniocular Visual Acuity Substantially Underestimates the Impact of Visual Impairment on Quality of Life Compared with Binocular Visual Acuity. Ophthalmology, 2020, 127, 1145-1151.	5.2	15
477	The Differential Impact of Age on Vision-Related Quality of Life across the Visual Impairment Spectrum. Ophthalmology, 2021, 128, 354-363.	5.2	15
478	cnvCapSeq: detecting copy number variation in long-range targeted resequencing data. Nucleic Acids Research, 2014, 42, e158-e158.	14.5	14
479	Characterization of Fatty Acid Binding Protein 7 (FABP7) in the Murine Retina. , 2016, 57, 3397.		14
480	Retinal neurovascular changes in chronic kidney disease. Acta Ophthalmologica, 2020, 98, e848-e855.	1.1	14
481	Deep learning algorithms for automatic detection of pterygium using anterior segment photographs from slit-lamp and hand-held cameras. British Journal of Ophthalmology, 2022, 106, 1642-1647.	3.9	14
482	Deep Learning for Automated Sorting of Retinal Photographs. Ophthalmology Retina, 2020, 4, 793-800.	2.4	14
483	Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.	11.6	14
484	Relationship of Quantitative Retinal Capillary Network and Myocardial Remodeling in Systemic Hypertension. Journal of the American Heart Association, 2022, 11, e024226.	3.7	14
485	Joint Effect of Early Microvascular Damage in the Eye & Kidney on Risk of Cardiovascular Events. Scientific Reports, 2016, 6, 27442.	3.3	13
486	Relationship of retinal vascular caliber variation with intracranial arterial stenosis. Microvascular Research, 2016, 108, 64-68.	2.5	13

#	Article	IF	Citations
487	Prevalence and Associations of Retinal Emboli With Ethnicity, Stroke, and Renal Disease in a Multiethnic Asian Population. JAMA Ophthalmology, 2017, 135, 1023.	2.5	13
488	Impact of Incidence and Progression of Diabetic Retinopathy on Vision-Specific Functioning. Ophthalmology, 2018, 125, 1401-1409.	5.2	13
489	Predictive Genes for the Prognosis of Central Serous Chorioretinopathy. Ophthalmology Retina, 2019, 3, 985-992.	2.4	13
490	Is kidney function associated with primary open-angle glaucoma? Findings from the Asian Eye Epidemiology Consortium. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-314890.	3.9	13
491	Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology Consortium (AEEC) study. British Journal of Ophthalmology, 2022, 106, 980-986.	3.9	13
492	Gender Prediction for a Multiethnic Population via Deep Learning Across Different Retinal Fundus Photograph Fields: Retrospective Cross-sectional Study. JMIR Medical Informatics, 2021, 9, e25165.	2.6	13
493	High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. Ophthalmology, 2022, 129, 285-294.	5.2	13
494	The longitudinal psychological, physical activity, and financial impact of a COVIDâ€19 lockdown on older adults in Singapore: The PIONEERâ€COVID populationâ€based study. International Journal of Geriatric Psychiatry, 2022, 37, .	2.7	13
495	Gene-Based Therapeutics for Acquired Retinal Disease: Opportunities and Progress. Frontiers in Genetics, 2021, 12, 795010.	2.3	13
496	Retinal Venular Calibre is Increased in Patients with Autoimmune Rheumatic Disease: A Case-Control Study. Current Eye Research, 2013, 38, 685-690.	1.5	12
497	Association of Levels of Fasting Glucose and Insulin With Rare Variants at the Chromosome 11p11.2-MADD Locus. Circulation: Cardiovascular Genetics, 2014, 7, 374-382.	5.1	12
498	Inter-Relationships Between Retinal Vascular Caliber, Retinal Nerve Fiber Layer Thickness, and Glaucoma: A Mediation Analysis Approach. , 2016, 57, 3803.		12
499	Innovative technology shows impact of glycaemic control on peripheral retinal vessels in adolescents with type 1 diabetes. Diabetologia, 2017, 60, 2103-2110.	6.3	12
500	Using Retinal Imaging to Study Dementia. Journal of Visualized Experiments, 2017, , .	0.3	12
501	Changes in retinal venular oxygen saturation predict activity of proliferative diabetic retinopathy 3 months after panretinal photocoagulation. British Journal of Ophthalmology, 2018, 102, 383-387.	3.9	12
502	The Study of Neurocognitive Outcomes, Radiological and Retinal Effects of Aspirin in Sleep Apnoea-rationale and methodology of the SNORE-ASA study. Contemporary Clinical Trials, 2018, 64, 101-111.	1.8	12
503	Correlation of Color Fundus Photograph Grading with Risks of Early Age-related Macular Degeneration by using Automated OCT-derived Drusen Measurements. Scientific Reports, 2018, 8, 12937.	3.3	12
504	Peripheral capillary non-perfusion in treatment-naÃ¯ve proliferative diabetic retinopathy associates with postoperative disease activity 6 months after panretinal photocoagulation. British Journal of Ophthalmology, 2019, 103, 816-820.	3.9	12

#	Article	IF	Citations
505	The Informant AD8 Can Discriminate Patients with Dementia From Healthy Control Participants in an Asian Older Cohort. Journal of the American Medical Directors Association, 2019, 20, 775-779.	2.5	12
506	The prevalence and clinical associations of disproportionately enlarged subarachnoid space hydrocephalus (DESH), an imaging feature of idiopathic normal pressure hydrocephalus in community and memory clinic based Singaporean cohorts. Journal of the Neurological Sciences, 2020, 408, 116510.	0.6	12
507	Statistical inference for decision curve analysis, with applications to cataract diagnosis. Statistics in Medicine, 2020, 39, 2980-3002.	1.6	12
508	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci for Estimating Angle Closure Disease Severity. Ophthalmology, 2021, 128, 403-409.	5.2	12
509	Efficacy of a novel personalised aflibercept monotherapy regimen based on polypoidal lesion closure in participants with polypoidal choroidal vasculopathy. British Journal of Ophthalmology, 2022, 106, 987-993.	3.9	12
510	Retinal microvascular signs and risk of diabetic kidney disease in asian and white populations. Scientific Reports, 2021, 11, 4898.	3.3	12
511	Serum Leptin and Age-Related Macular Degeneration. , 2015, 56, 1880.		11
512	Suppression of inflammatory disease activity in rheumatoid arthritis is associated with improvements in retinal microvascular health. Rheumatology, 2016, 55, 246-251.	1.9	11
513	Comparison of Corneal Biomechanical Properties between Indian and Chinese Adults. Ophthalmology, 2017, 124, 1271-1279.	5.2	11
514	Retinal microvasculature: population epidemiology and concordance in Australian children aged 11â€“12 years and their parents. BMJ Open, 2019, 9, 44-52.	1.9	11
515	Highlights from the 2019 International Myopia Summit on â€˜controversies in myopiaâ€™. British Journal of Ophthalmology, 2021, 105, 1196-1202.	3.9	11
516	Quantitative OCT angiography of the retinal microvasculature and choriocapillaris in highly myopic eyes with myopic macular degeneration. British Journal of Ophthalmology, 2022, 106, 681-688.	3.9	11
517	Morphologic Predictors and Temporal Characteristics of Conversion from Nonexudative to Exudative Age-Related Macular Degeneration in the Fellow Eye. Ophthalmology Retina, 2021, 5, 126-140.	2.4	11
518	Considerations for Artificial Intelligence Real-World Implementation in Ophthalmology: Providers' and Patients' Perspectives. Asia-Pacific Journal of Ophthalmology, 2021, 10, 299-306.	2.5	11
519	Generative adversarial networks in ophthalmology: what are these and how can they be used?. Current Opinion in Ophthalmology, 2021, 32, 459-467.	2.9	11
520	Deep-Learningâ€“Based Pre-Diagnosis Assessment Module for Retinal Photographs: A Multicenter Study. Translational Vision Science and Technology, 2021, 10, 16.	2.2	11
521	Combining retinal and choroidal microvascular metrics improves discriminative power for diabetic retinopathy. British Journal of Ophthalmology, 2023, 107, 993-999.	3.9	11
522	Six-Year Incidence and Risk Factors for Primary Angle-Closure Disease. Ophthalmology, 2022, 129, 792-802.	5.2	11

#	Article	IF	Citations
523	African Ancestry Analysis and Admixture Genetic Mapping for Proliferative Diabetic Retinopathy in African Americans. , 2015, 56, 3999.		10
524	Exposure to Atomic Bomb Radiation and Age-Related Macular Degeneration in Later Life: The Hiroshima-Nagasaki Atomic Bomb Survivor Study. , 2015, 56, 5401.		10
525	Repeatability of Perimacular Ganglion Cell Complex Analysis with Spectral-Domain Optical Coherence Tomography. Journal of Ophthalmology, 2015, 2015, 1-5.	1.3	10
526	Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. Sleep and Breathing, 2016, 20, 15-23.	1.7	10
527	Reducing respondent burden: validation of the Brief Impact of Vision Impairment questionnaire. Quality of Life Research, 2017, 26, 479-488.	3.1	10
528	Is aspirin associated with diabetic retinopathy? The Singapore Epidemiology of Eye Disease (SEED) study. PLoS ONE, 2017, 12, e0175966.	2.5	10
529	Urinary Isoprostane Levels and Age-Related Macular Degeneration. , 2017, 58, 2538.		10
530	Associations of retinal microvascular caliber with intermediate phenotypes of large arterial function and structure: A systematic review and metaâ€analysis. Microcirculation, 2019, 26, e12557.	1.8	10
531	Artificial Intelligence and Deep Learning in Ophthalmology. , 2021, , 1-34.		10
532	Rationale and Methodology of The PopulatION HEalth and Eye Disease PRofile in Elderly Singaporeans Study [PIONEER]. , 2020, 11, 1444.		10
533	Military laser weapons: Current controversies. Ophthalmic Epidemiology, 2001, 8, 215-226.	1.7	9
534	Gestational retinal microvasculature and the risk of 5Âyear postpartum abnormal glucose metabolism. Diabetologia, 2017, 60, 2368-2376.	6.3	9
535	Ankle brachial index, MRI markers and cognition: The Epidemiology of Dementia in Singapore study. Atherosclerosis, 2017, 263, 272-277.	0.8	9
536	Associations of Peripapillary Atrophy and Fundus Tessellation with Diabetic Retinopathy. Ophthalmology Retina, 2018, 2, 574-581.	2.4	9
537	Retinal vasculature and 5-year metabolic syndrome among women with gestational diabetes mellitus. Metabolism: Clinical and Experimental, 2018, 83, 216-224.	3.4	9
538	Age-related macular degeneration and progression of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. PLoS ONE, 2018, 13, e0201000.	2.5	9
539	Six-Year Incidence and Risk Factors of Age-Related Macular Degeneration in Singaporean Indians: The Singapore Indian Eye Study. Scientific Reports, 2018, 8, 8869.	3.3	9
540	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. European Journal of Epidemiology, 2020, 35, 685-697.	5.7	9

#	Article	IF	Citations
541	Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 420-425.	3.9	9
542	Patterns and Characteristics of a Clinical Implementation of a Self-Monitoring Program for Retina Diseases during the COVID-19 Pandemic. Ophthalmology Retina, 2021, 5, 1245-1253.	2.4	9
543	Is artificial intelligence a solution to the myopia pandemic?. British Journal of Ophthalmology, 2021, 105, 741-744.	3.9	9
544	Macular neovascularization in eyes with pachydrusen. Scientific Reports, 2021, 11, 7495.	3.3	9
545	Novel Serum and Urinary Metabolites Associated with Diabetic Retinopathy in Three Asian Cohorts. Metabolites, 2021, 11, 614.	2.9	9
546	The association between markers of inflammation and retinal microvascular parameters: A systematic review and meta-analysis. Atherosclerosis, 2021, 336, 12-22.	0.8	9
547	Visual Impairment in Old and Very Old Community-dwelling Asian Adults. Ophthalmology, 2016, 123, 2436-2438.	5.2	8
548	Association of Changes in Visual Acuity With Vision-Specific Functioning in the Singapore Malay Eye Study. JAMA Ophthalmology, 2016, 134, 1299.	2.5	8
549	Quantitative Physical Fitness Measures Inversely Associated With Myopia Severity in Military Males: The CHIEF Study. American Journal of Men's Health, 2019, 13, 155798831988376.	1.6	8
550	Machine learning to determine relative contribution of modifiable and non-modifiable risk factors of major eye diseases. British Journal of Ophthalmology, 2022, 106, 267-274.	3.9	8
551	SARS-CoV-2 infection in conjunctival tissue. Lancet Respiratory Medicine,the, 2020, 8, e57.	10.7	8
552	A serum metabolomics study of patients with nAMD in response to anti-VEGF therapy. Scientific Reports, 2020, 10, 1341.	3.3	8
553	Determinants of Posterior Corneal Biometric Measurements in a Multi-Ethnic Asian Population. PLoS ONE, 2014, 9, e101483.	2.5	8
554	Retinal Nerve Fiber Layer Thickness and Rim Area Profiles in Asians. Ophthalmology, 2022, 129, 552-561.	5.2	8
555	Circulating Metabolic Biomarkers Are Consistently Associated With Type 2 Diabetes Risk in Asian and European Populations. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e2751-e2761.	3.6	8
556	Ethnic Differences in the Association Between Age-Related Macular Degeneration and Vision-Specific Functioning. JAMA Ophthalmology, 2017, 135, 469.	2.5	7
557	Dynamic changes in retinal vessel diameter during acute hyperglycemia in type 1 diabetes. Journal of Diabetes and Its Complications, 2018, 32, 234-239.	2.3	7
558	Cost-effectiveness of Intravitreal Ranibizumab With Verteporfin Photodynamic Therapy Compared With Ranibizumab Monotherapy for Patients With Polypoidal Choroidal Vasculopathy. JAMA Ophthalmology, 2020, 138, 251.	2.5	7

#	Article	IF	Citations
559	Independent and Synergistic Effects of High Blood Pressure and Obesity on Retinal Vasculature in Young Children: The Hong Kong Children Eye Study. Journal of the American Heart Association, 2021, 10, e018485.	3.7	7
560	Incidence and progression of diabetic retinopathy in a multi-ethnic US cohort: the Multi-Ethnic Study of Atherosclerosis. British Journal of Ophthalmology, 2022, 106, 1264-1268.	3.9	7
561	Artificial intelligence for diagnosis of inherited retinal disease: an exciting opportunity and one step forward. British Journal of Ophthalmology, 2021, 105, 1187-1189.	3.9	7
562	Gene Set Enrichment Analsyes Identify Pathways Involved in Genetic Risk for Diabetic Retinopathy. American Journal of Ophthalmology, 2022, 233, 111-123.	3.3	7
563	Global Trends in Ophthalmic Practices in Response to COVID-19. Ophthalmology, 2021, 128, 1505-1515.	5.2	7
564	Will the Myopia Epidemic Lead to a Retinal Detachment Epidemic in the Future?. JAMA Ophthalmology, 2021, 139, 93.	2.5	7
565	Association of alcohol intake with incidence and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 538-542.	3.9	7
566	Retinal neural dysfunction in diabetes revealed with handheld chromatic pupillometry. Clinical and Experimental Ophthalmology, 0, , .	2.6	7
567	Comparison of CKD-EPI Cystatin C and Creatinine Glomerular Filtration Rate Estimation Equations in Asian Indians. International Journal of Nephrology, 2014, 2014, 1-8.	1.3	6
568	Cardiometabolic Health Among Adult Offspring of Hypertensive Pregnancies: The Cardiovascular Risk in Young Finns Study. Journal of the American Heart Association, 2018, 7, .	3.7	6
569	Associations between cannabis use and retinal vessel diameter in young adults. Schizophrenia Research, 2020, 219, 62-68.	2.0	6
570	Ethnic differences in the incidence of pterygium in a multi-ethnic Asian population: the Singapore Epidemiology of Eye Diseases Study. Scientific Reports, 2021, 11, 501.	3.3	6
571	Association of Aberrant Posterior Vitreous Detachment and Pathologic Tractional Forces With Myopic Macular Degeneration. , 2021, 62, 7.		6
572	Relationship between vision impairment and employment. British Journal of Ophthalmology, 2023, 107, 361-366.	3.9	6
573	The longitudinal association between cognitive impairment and incident visual impairment in a multiethnic Asian population: a prospective cohort study. Age and Ageing, 2022, 51, .	1.6	6
574	Concordance between SIVA, IVAN, and VAMPIRE Software Tools for Semi-Automated Analysis of Retinal Vessel Caliber. Diagnostics, 2022, 12, 1317.	2.6	6
575	Is Bilateral Age-related Macular Degeneration Less Common in Asians than Caucasians?. Ophthalmic Epidemiology, 2011, 18, 253-258.	1.7	5
576	Development and Reliability of Retinal Arteriolar Central Light Reflex Quantification System: A New Approach for Severity Grading. Investigative Ophthalmology and Visual Science, 2014, 55, 7975-7981.	3.3	5

#	Article	IF	Citations
577	A novel computer aided quantification method of focal arteriolar narrowing using colour retinal image. Computers in Biology and Medicine, 2016, 74, 18-29.	7.0	5
578	Frequency of Evidence-Based Screening for Diabetic Retinopathy. New England Journal of Medicine, 2017, 377, 194-195.	27.0	5
579	Caregiver-Reported Sleep Disturbances Are Associated With Behavioral and Psychological Symptoms in an Asian Elderly Cohort With Cognitive Impairment-No Dementia. Journal of Geriatric Psychiatry and Neurology, 2018, 31, 70-75.	2.3	5
580	Detection of anaemia from retinal images. Nature Biomedical Engineering, 2020, 4, 2-3.	22.5	5
581	Design, implementation, and evaluation of a nurse-led intravitreal injection programme for retinal diseases in Singapore. Eye, 2020, 34, 2123-2130.	2.1	5
582	Albuminuria and Primary Open-Angle Glaucoma: the Singapore Chinese Eye Study (SCES). British Journal of Ophthalmology, 2021, 105, 669-673.	3.9	5
583	Alzheimer's disease research progress in Australia: The Alzheimer's Association International Conference Satellite Symposium in Sydney. Alzheimer's and Dementia, 2022, 18, 178-190.	0.8	5
584	The Impact of Macronutrients on Retinal Microvasculature among Singapore Pregnant Women during the Mid-Late Gestation. PLoS ONE, 2016, 11, e0160704.	2.5	5
585	Artificial Intelligence and Deep Learning in Ophthalmology. , 2022, , 1519-1552.		5
586	The management of neovascular ageâ€related macular degeneration: A systematic literature review of patientâ€reported outcomes, patient mental health and caregiver burden. Acta Ophthalmologica, 2023, 101, .	1.1	5
587	Retinal arteriolar narrowing and hypertension. American Journal of Hypertension, 2005, 18, 297-298.	2.0	4
588	Clinical Relevance and Application of the Age-Related Eye Disease Study Severity Scale for Age-Related Macular Degeneration. JAMA Ophthalmology, 2016, 134, 1047.	2.5	4
589	Determinants of pupil diameters and pupil dynamics in an adult Chinese population. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 929-936.	1.9	4
590	Management of diabetic macular oedema: new insights and global implications of DRCR protocol V. Eye, 2020, 34, 999-1002.	2.1	4
591	Cardiovascular health and retinal microvascular geometry in Australian 11â€“12Âyear-olds. Microvascular Research, 2020, 129, 103966.	2.5	4
592	Inflammation mediates the relationship between obesity and retinal vascular calibre in 11-12 year-olds children and mid-life adults. Scientific Reports, 2020, 10, 5006.	3.3	4
593	Efficacy and Side Effects of Individualized Panretinal Photocoagulation. Ophthalmology Retina, 2020, 4, 642-644.	2.4	4
594	Computer-aided detection and abnormality score for the outer retinal layer in optical coherence tomography. British Journal of Ophthalmology, 2022, 106, 1301-1307.	3.9	4

#	Article	IF	Citations
595	Artificial Intelligence for Prediction of Antiâ€“VEGF Treatment Burden in Retinal Diseases: Towards Precision Medicine. Ophthalmology Retina, 2021, 5, 601-603.	2.4	4
596	Clinical operational considerations and responses to lockdown and reopening in the Covid-19 pandemic: experience of a tertiary ophthalmology centre in Singapore. Eye, 2022, 36, 1924-1933.	2.1	4
597	Macular Sensitivity and Capillary Perfusion in Highly Myopic Eyes with Myopic Macular Degeneration. Retina, 2021, Publish Ahead of Print, 529-539.	1.7	4
598	Singapore's â€œWar on Diabetesâ€• Lancet Diabetes and Endocrinology,the, 2022, 10, 391-392.	11.4	4
599	Vessel Segmentation from Color Retinal Images with Varying Contrast and Central Reflex Properties. , 2010, , .		3
600	Lens Status Influences the Association between CFH Polymorphisms and Age-Related Macular Degeneration: Findings from Two Population-Based Studies in Singapore. PLoS ONE, 2015, 10, e0119570.	2.5	3
601	Utilisation of poor-quality optical coherence tomography scans: adjustment algorithm from the Singapore Epidemiology of Eye Diseases (SEED) study. British Journal of Ophthalmology, 2022, 106, 962-969.	3.9	3
602	Six-Year Incidence and Risk Factors of Primary Glaucoma in the Singapore Indian Eye Study. Ophthalmology Glaucoma, 2021, 4, 201-208.	1.9	3
603	Relation between Retinopathy and Progression of Coronary Artery Calcium in Individuals with Versus Without Diabetes Mellitus (From the Multiâ€“Ethnic Study of Atherosclerosis). American Journal of Cardiology, 2021, 149, 1-8.	1.6	3
604	Multicentre, randomised clinical trial comparing intravitreal aflibercept monotherapy versus aflibercept combined with reduced-fluence photodynamic therapy (RF-PDT) for the treatment of polypoidal choroidal vasculopathy. BMJ Open, 2021, 11, e050252.	1.9	3
605	Retinal microvasculature and time to pregnancy in a multi-ethnic pre-conception cohort in Singapore. Human Reproduction, 2021, 36, 2935-2947.	0.9	3
606	Artificial Intelligence Using the Eye as a Biomarker of Systemic Risk. , 2021, , 243-255.		3
607	Six-year incidence of age-related macular degeneration and correlation to OCT-derived drusen volume measurements in a Chinese population. British Journal of Ophthalmology, 2023, 107, 392-398.	3.9	3
608	Retinal microvascular function predicts chronic kidney disease in patients with cardiovascular risk factors. Atherosclerosis, 2022, 341, 63-70.	0.8	3
609	A novel tool to assess the quality of RWE to guide the management of retinal disease. Acta Ophthalmologica, 2021, 99, 604-610.	1.1	3
610	Retinal microvascular structure: determinants and potential utility of novel imaging measurements. Expert Review of Ophthalmology, 2010, 5, 353-363.	0.6	2
611	Microvascular narrowing and BP monitoring: A single centre observational study. PLoS ONE, 2019, 14, e0210625.	2.5	2
612	Extended-Zone Retinal Vascular Caliber and Risk of Diabetic Retinopathy in Adolescents with Type 1 Diabetes. Ophthalmology Retina, 2020, 4, 1151-1157.	2.4	2

#	Article	IF	Citations
613	Visual Impairment, Major Eye Diseases, and Mortality in a Multi-Ethnic Asian Population and a Meta-analysis of Prospective Studies. American Journal of Ophthalmology, 2021, 231, 88-100.	3.3	2
614	Six-year incidence and systemic associations of retinopathy in a multi-ethnic Asian population without diabetes. British Journal of Ophthalmology, 2021, , bjophthalmol-2020-318126.	3.9	2
615	Association of Retinal Microvascular Signs with Incident Atrial Fibrillation. Ophthalmology Retina, 2021, 5, 78-85.	2.4	2
616	Retinal vascular oxygen saturation in response to a less extensive laser treatment in proliferative diabetic retinopathy. Acta Ophthalmologica, 2021, 99, 783-789.	1.1	2
617	Multimodal Imaging-Based Phenotyping of a Singaporean Hospital-Based Cohort of High Myopia Patients. Frontiers in Medicine, 2021, 8, 670229.	2.6	2
618	The Eye Is a Window to Systemic and Neuro-Ophthalmic Diseases. Asia-Pacific Journal of Ophthalmology, 2022, 11, 91-93.	2.5	2
619	Microvascular changes in the retina as a risk marker for cardiovascular disease. Current Cardiovascular Risk Reports, 2009, 3, 51-58.	2.0	1
620	No association of 9p21 with arterial elasticity and retinal microvascular findings. Atherosclerosis, 2013, 230, 301-303.	0.8	1
621	Accounting for Standard Errors of Vision-Specific Latent Trait in Regression Models. , 2014, 55, 5848.		1
622	P1-205: Cerebral cortical microinfarcts: A novel marker of cerebral small vessel disease on 3 tesla MRI. , 2015, 11, P428-P428.		1
623	Choroidal Nevi in the Singapore Epidemiology of Eye Disease Study. Ophthalmology, 2018, 125, 784-786.	5.2	1
624	Impact of incident age-related macular degeneration and associated vision loss on vision-related quality of life. British Journal of Ophthalmology, 2021, , bjophthalmol-2020-318269.	3.9	1
625	Retinal arteriolar calibre and venular fractal dimension predict progression of proliferative diabetic retinopathy 6 months after panretinal photocoagulation: a prospective, clinical interventional study. BMJ Open Ophthalmology, 2021, 6, e000661.	1.6	1
626	The blinding potential of COVID policies. Canadian Journal of Ophthalmology, 2021, 56, 81-82.	0.7	1
627	Baseline extended zone retinal vascular calibres associate with sensory nerve abnormalities in adolescents with type 1 diabetes: A prospective longitudinal study. Diabetic Medicine, 2021, 38, e14662.	2.3	1
628	Are macular drusen in midlife a marker of accelerated biological ageing?. Australasian journal of optometry, The, 2023, 106, 41-46.	1.3	1
629	Normative data and associations of Optical Coherence Tomography Angiography measurements of the macula: The Singapore Malay Eye Study. Ophthalmology Retina, 2022, , .	2.4	1
630	Retinal Photography for Stroke Risk Prediction. Asia Pacific Biotech News, 2002, 06, 78-79.	0.0	0

#	Article	IF	Citations
631	Ocular manifestations of systemic arterial hypertension. Expert Review of Ophthalmology, 2006, 1, 113-123.	0.6	0
632	Response to Birth Weight and Retinal Vascular Changes. Hypertension, 2008, 51, .	2.7	0
633	Author Response: Model-Fitting Adequacy and Clinical Rationality in Multivariate Linear Regression Analysis. , 2010, 51, 6897.		0
634	Retinal arteriolar diameters and incident hypertension in initially normotensive individuals. Journal of Hypertension, 2014, 32, 1718.	0.5	0
635	P3-252: Subcortical atrophy in cognitive impairment: Epidemiology of dementia in singapore study. , 2015, 11, P727-P728.		0
636	P1â€399: The Combined Utility of Brief Cognitive Tests for The Detection of Mild Cognitive Impairment: Epidemiology of Dementia in Singapore Study. Alzheimer's and Dementia, 2016, 12, P586.	0.8	0
637	Observations From a Population-Based Study of Diabetic Retinopathy in Chinese Americans. JAMA Ophthalmology, 2016, 134, 569.	2.5	0
638	Reply. Ophthalmology, 2017, 124, e25.	5.2	0
639	Are light masks useful for early diabetic macular oedema?. Lancet Diabetes and Endocrinology,the, 2018, 6, 352-354.	11.4	0
640	Eye Injuries and Other Disorders. , 2017, , 473-507.		0
641	Revisiting the Alcohol Consumption Association With Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, , .	2.5	0
642	Serum Cholesterol Efflux Capacity in Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. Ophthalmology Science, 2022, , 100142.	2.5	0