Charumathi Sabanayagam

List of Publications by Year
in descending order

243 papers	15,471 citations	47409 49 h-index	30277 107 g-index
250 all docs	250 docs citations	250 times ranked	19443 citing authors

#	Article	IF	Citations
1	Association of time outdoors and patterns of light exposure with myopia in children. British Journal of Ophthalmology, 2023, 107, 133-139.	2.1	11
2	Predictors of myopic macular degeneration in a 12-year longitudinal study of Singapore adults with myopia. British Journal of Ophthalmology, 2023, 107, 1363-1368.	2.1	10
3	Machine learning identifying peripheral circulating metabolites associated with intraocular pressure alterations. British Journal of Ophthalmology, 2023, 107, 1275-1280.	2.1	1
4	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.	2.1	8
5	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.	2.1	13
6	Visual field defects and myopic macular degeneration in Singapore adults with high myopia. British Journal of Ophthalmology, 2022, 106, 1423-1428.	2.1	5
7	High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. Ophthalmology, 2022, 129, 285-294.	2.5	13
8	Dietary intake and associations with myopia in Singapore children. Ophthalmic and Physiological Optics, 2022, 42, 319-326.	1.0	9
9	Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.	5.3	14
10	Sleep Patterns and Myopia Among School-Aged Children in Singapore. Frontiers in Public Health, 2022, 10, 828298.	1.3	13
11	An evidence-based review of the epidemiology of myopic traction maculopathy. Survey of Ophthalmology, 2022, 67, 1603-1630.	1.7	16
12	Identification of genetic effects underlying type 2 diabetes in South Asian and European populations. Communications Biology, 2022, 5, 329.	2.0	21
13	Retinal photograph-based deep learning predicts biological age, and stratifies morbidity and mortality risk. Age and Ageing, 2022, 51, .	0.7	25
14	The longitudinal association between cognitive impairment and incident visual impairment in a multiethnic Asian population: a prospective cohort study. Age and Ageing, 2022, 51, .	0.7	6
15	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. Nature Genetics, 2022, 54, 560-572.	9.4	250
16	Different impact of early and late stages irreversible eye diseases on vision-specific quality of life domains. Scientific Reports, 2022, 12, 8465.	1.6	3
17	Retinal vascular profile in predicting incident cardiometabolic diseases among individuals with diabetes. Microcirculation, 2022, 29, .	1.0	4
18	Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62 longitudinal genome-wide association studies. Kidney International, 2022, 102, 624-639.	2.6	18

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19	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .	2.0	17
20	A deep-learning system for the assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre. Nature Biomedical Engineering, 2021, 5, 498-508.	11.6	131
21	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.	2.1	19
22	100 most-cited articles on diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 1329-1336.	2.1	13
23	Response to: Comment on: â€œDo we have enough ophthalmologists to manage vision-threatening diabetic retinopathy? A global perspectiveâ€• Eye, 2021, 35, 692-693.	1.1	0
24	Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 420-425.	2.1	9
25	Prevalence, risk factors and impact of posterior staphyloma diagnosed from wideâ€field optical coherence tomography in Singapore adults with high myopia. Acta Ophthalmologica, 2021, 99, e144-e153.	0.6	28
26	Association of Antihypertensive Medication with Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Thickness. Ophthalmology, 2021, 128, 393-400.	2.5	25
27	Albuminuria and Primary Open-Angle Glaucoma: the Singapore Chinese Eye Study (SCES). British Journal of Ophthalmology, 2021, 105, 669-673.	2.1	5
28	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. Kidney International, 2021, 99, 926-939.	2.6	42
29	A systematic review and participant-level meta-analysis found little association of retinal microvascular caliber with reduced kidney function. Kidney International, 2021, 99, 696-706.	2.6	8
30	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.	5.9	20
31	Vision, vision-specific functioning and mobility, and their relationship with clinically assessed cognitive impairment. Age and Ageing, 2021, 50, 1236-1242.	0.7	3
32	Cohort Profile: The Singapore Epidemiology of Eye Diseases study (SEED). International Journal of Epidemiology, 2021, 50, 41-52.	0.9	49
33	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.	1.6	6
34	Telehealth Demand Trends During the COVID-19 Pandemic in the Top 50 Most Affected Countries: Infodemiological Evaluation. JMIR Public Health and Surveillance, 2021, 7, e24445.	1.2	73
35	Retinal microvascular signs and risk of diabetic kidney disease in asian and white populations. Scientific Reports, 2021, 11, 4898.	1.6	12
36	Rapid Myopic Progression in Childhood Is Associated With Teenage High Myopia. , 2021, 62, 17.		7

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37	COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. Scientific Reports, 2021, 11, 10795.	1.6	26
38	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.	2.5	680
39	Assessment of the Macular Microvasculature in High Myopes With Swept Source Optical Coherence Tomographic Angiography. Frontiers in Medicine, 2021, 8, 619767.	1.2	4
40	Obesity and risk of age-related eye diseases: a systematic review of prospective population-based studies. International Journal of Obesity, 2021, 45, 1863-1885.	1.6	18
41	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	9.4	341
42	Kidney Failure Trends in People with Diabetes: The Looming Epidemic. The Lancet Regional Health - Western Pacific, 2021, 12, 100173.	1.3	0
43	Impact of type 2 diabetes and microvascular complications on mortality and cardiovascular outcomes in a multiethnic Asian population. BMJ Open Diabetes Research and Care, 2021, 9, e001413.	1.2	8
44	Development and Validation of a Preference-Based Glaucoma Utility Instrument Using Discrete Choice Experiment. JAMA Ophthalmology, 2021, 139, 866.	1.4	4
45	Association of ApoCIII common variants with risk of coronary artery disease: A Mendelian randomization study. Atherosclerosis, 2021, 331, e10-e11.	0.4	0
46	Novel Serum and Urinary Metabolites Associated with Diabetic Retinopathy in Three Asian Cohorts. Metabolites, 2021, 11, 614.	1.3	9
47	APOC3 genetic variation, serum triglycerides, and risk of coronary artery disease in Asian Indians, Europeans, and other ethnic groups. Lipids in Health and Disease, 2021, 20, 113.	1.2	12
48	Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. Lancet, The, 2021, 398, 957-980.	6.3	1,289
49	Association between Body Mass Index and Chronic Kidney Disease in Asian Populations: A Participant-level Meta-Analysis. Maturitas, 2021, 154, 46-54.	1.0	12
50	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.	1.7	2
51	Six-year incidence and systemic associations of retinopathy in a multi-ethnic Asian population without diabetes. British Journal of Ophthalmology, 2021, , bjophthalmol-2020-318126.	2.1	2
52	Characteristics of myopic traction maculopathy in myopic Singaporean adults. British Journal of Ophthalmology, 2021, 105, 531-537.	2.1	17
53	Association of alcohol intake with incidence and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 538-542.	2.1	7
54	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353

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55	Application of machine learning techniques to understand ethnic differences and risk factors for incident chronic kidney disease in Asians. BMJ Open Diabetes Research and Care, 2021, 9, e002364.	1.2	3
56	Obstructive Sleep Apnoea, Other Sleep Parameters and Diabetic Retinopathy. Current Diabetes Reports, 2021, 21, 58.	1.7	3
57	Strategies to Tackle the Global Burden of Diabetic Retinopathy: From Epidemiology to Artificial Intelligence. Ophthalmologica, 2020, 243, 9-20.	1.0	164
58	The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. Diabetes Research and Clinical Practice, 2020, 159, 107967.	1.1	30
59	Rates and Determinants of Eyecare Utilization and Eyeglass Affordability Among Individuals With Visual Impairment in a Multi-Ethnic Population-Based Study in Singapore. Translational Vision Science and Technology, 2020, 9, 11.	1.1	7
60	Genome-Wide Association for HbA1c in Malay Identified Deletion on SLC4A1 that Influences HbA1c Independent of Glycemia. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3854-3864.	1.8	9
61	Baseline Plasma EGFR Circulating Tumour DNA Levels in a Pilot Cohort of EGFR-Mutant Limited-Stage Lung Adenocarcinoma Patients Undergoing Radical Lung Radiotherapy. Case Reports in Oncology, 2020, 13, 896-903.	0.3	2
62	Normative profiles of neuroretinal rim area in a multiethnic Asian population: the Singapore Epidemiology of Eye Diseases study. British Journal of Ophthalmology, 2020, , bjophthalmol-2020-317323.	2.1	2
63	Annual Myopia Progression and Subsequent 2-Year Myopia Progression in Singaporean Children. Translational Vision Science and Technology, 2020, 9, 12.	1.1	15
64	Incorporating kidney disease measures into cardiovascular risk prediction: Development and validation in 9 million adults from 72 datasets. EClinicalMedicine, 2020, 27, 100552.	3.2	50
65	Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. Lancet, The, 2020, 396, 1511-1524.	6.3	219
66	Association Between Visual Impairment and Decline in Cognitive Function in a Multiethnic Asian Population. JAMA Network Open, 2020, 3, e203560.	2.8	39
67	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Molecular Psychiatry, 2020, 26, 2111-2125.	4.1	17
68	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	13.7	282
69	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.	2.5	9
70	A deep learning algorithm to detect chronic kidney disease from retinal photographs in community-based populations. The Lancet Digital Health, 2020, 2, e295-e302.	5.9	130
71	Agreement in Measures of Macular Perfusion between Optical Coherence Tomography Angiography Machines. Scientific Reports, 2020, 10, 8345.	1.6	1
72	Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.	2.5	34

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73	Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of Clinical Epidemiology, 2020, 122, 56-69.	2.4	245
74	Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. PLoS ONE, 2020, 15, e0229665.	1.1	48
75	Normative patterns and factors associated with presbyopia progression in a multiethnic Asian population: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-315629.	2.1	1
76	Rates and Predictors of Nonadherence to Postophthalmic Screening Tertiary Referrals in Patients with Type 2 Diabetes. Translational Vision Science and Technology, 2020, 9, 15.	1.1	1
77	Association of Cataract Surgery With Risk of Diabetic Retinopathy Among Asian Participants in the Singapore Epidemiology of Eye Diseases Study. JAMA Network Open, 2020, 3, e208035.	2.8	7
78	Profile of retinal nerve fibre layer symmetry in a multiethnic Asian population: the Singapore Epidemiology of Eye Diseases study. British Journal of Ophthalmology, 2020, 104, 836-841.	2.1	8
79	Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population. Ophthalmology, 2020, 127, 1064-1076.	2.5	29
80	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.	2.1	13
81	Do we have enough ophthalmologists to manage vision-threatening diabetic retinopathy? A global perspective. Eye, 2020, 34, 1255-1261.	1.1	32
82	Association between Macular Thickness Profiles and Visual Function in Healthy Eyes: The Singapore Epidemiology of Eye Diseases (SEED) Study. Scientific Reports, 2020, 10, 6142.	1.6	12
83	Technical and imaging factors influencing performance of deep learning systems for diabetic retinopathy. Npj Digital Medicine, 2020, 3, 40.	5.7	28
84	Incidence, progression and risk factors of age-related cataract in Malays: The Singapore Malay Eye Study. Clinical and Experimental Ophthalmology, 2020, 48, 580-592.	1.3	7
85	High-Density Lipoprotein Cholesterol in Age-Related Ocular Diseases. Biomolecules, 2020, 10, 645.	1.8	16
86	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.	2.1	25
87	Six-Year Changes in Myopic Macular Degeneration in Adults of the Singapore Epidemiology of Eye Diseases Study. , 2020, 61, 14.		18
88	The 100 Most Cited Articles in Ophthalmology in Asia. Asia-Pacific Journal of Ophthalmology, 2020, 9, 379-397.	1.3	9
89	Rationale and Methodology of The PopulatION HEalth and Eye Disease PRofile in Elderly Singaporeans Study [PIONEER]. , 2020, 11, 1444.		10
90	High Myopes in Singapore: 19-Year Progression from Childhood to Adulthood. Ophthalmology, 2020, 127, 1768-1770.	2.5	6

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91	Racial differences and determinants of macular thickness profiles in multiethnic Asian population: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2019, 103, 894-899.	2.1	14
92	Time trends, disease patterns and gender imbalance in the top 100 most cited articles in ophthalmology. British Journal of Ophthalmology, 2019, 103, 18-25.	2.1	21
93	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology,the, 2019, 7, 140-149.	5.5	299
94	Epidemiology and Risk Factors for Diabetic Retinopathy. Frontiers in Diabetes, 2019, , 20-37.	0.4	7
95	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. Cell, 2019, 179, 736-749.e15.	13.5	126
96	Development of Risk Prediction Equations for Incident Chronic Kidney Disease. JAMA - Journal of the American Medical Association, 2019, 322, 2104.	3.8	124
97	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	5.8	84
98	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. Nature Communications, 2019, 10, 4130.	5.8	133
99	Association between diabetic retinopathy and incident cognitive impairment. British Journal of Ophthalmology, 2019, 103, 1605-1609.	2.1	29
100	Sleep Duration and Diabetic Kidney Disease. Frontiers in Endocrinology, 2019, 9, 808.	1.5	12
101	Six-year incidence and progression of diabetic retinopathy in Indian adults: the Singapore Indian Eye study. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313282.	2.1	12
102	Normative pattern and determinants of outer retinal thickness in an Asian population: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2019, 103, 1406-1412.	2.1	5
103	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	9.4	549
104	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.	1.7	22
105	U-Shaped Relationship between Serum Leptin Concentration and Cognitive Performance in Older Asian Adults. Nutrients, 2019, 11, 660.	1.7	5
106	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. Npj Digital Medicine, 2019, 2, 24.	5.7	53
107	A multi-ancestry genome-wide study incorporating gene–smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. Human Molecular Genetics, 2019, 28, 2615-2633.	1.4	31
108	Multi-ancestry genome-wide gene–smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. Nature Genetics, 2019, 51, 636-648.	9.4	112

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109	Association of Diabetic Retinopathy and Diabetic Kidney Disease With All-Cause and Cardiovascular Mortality in a Multiethnic Asian Population. JAMA Network Open, 2019, 2, e191540.	2.8	64
110	Vision Impairment in CKD Patients: Epidemiology, Mechanisms, Differential Diagnoses, and Prevention. American Journal of Kidney Diseases, 2019, 73, 846-857.	2.1	33
111	Simplified end stage renal failure risk prediction model for the low-risk general population with chronic kidney disease. PLoS ONE, 2019, 14, e0212590.	1.1	10
112	Chronic Kidney Disease and Diabetic Retinopathy. Frontiers in Diabetes, 2019, , 64-76.	0.4	0
113	The War on Diabetic Retinopathy: Where Are We Now?. Asia-Pacific Journal of Ophthalmology, 2019, 8, 448-456.	1.3	44
114	Diabetic Retinopathy in the Asia-Pacific. Asia-Pacific Journal of Ophthalmology, 2019, 7, 3-16.	1.3	47
115	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. American Journal of Human Genetics, 2018, 102, 375-400.	2.6	123
116	Diet soft drink is associated with increased odds of proliferative diabetic retinopathy. Clinical and Experimental Ophthalmology, 2018, 46, 767-776.	1.3	6
117	Associations of Peripapillary Atrophy and Fundus Tessellation with Diabetic Retinopathy. Ophthalmology Retina, 2018, 2, 574-581.	1.2	9
118	Diet and risk of myopia in three‐year‐old Singapore children: the GUSTO cohort. Australasian journal of optometry, The, 2018, 101, 692-699.	0.6	11
119	Impact of Incidence and Progression of Diabetic Retinopathy on Vision-Specific Functioning. Ophthalmology, 2018, 125, 1401-1409.	2.5	13
120	Macular thickness profile and diabetic retinopathy: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2018, 102, 1072-1076.	2.1	15
121	Ethnic Differences in the Prevalence and Risk Factors of Diabetic Retinopathy. Ophthalmology, 2018, 125, 529-536.	2.5	97
122	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.	1.7	31
123	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. Nature Communications, 2018, 9, 5052.	5.8	75
124	Prevalence, Risk Factors, and Impact of Myopic Macular Degeneration on Visual Impairment and Functioning Among Adults in Singapore. , 2018, 59, 4603.		92
125	Risk of Incident Cardiovascular Disease and Cardiovascular Risk Factors in First and Second-Generation Indians: The Singapore Indian Eye Study. Scientific Reports, 2018, 8, 14805.	1.6	11
126	Six-Year Incidence of and Risk Factors for Cataract Surgery in a Multi-ethnic Asian Population. Ophthalmology, 2018, 125, 1844-1853.	2.5	25

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127	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.	1.6	12
128	Falls and Recurrent Falls among Adults in A Multi-ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. Scientific Reports, 2018, 8, 7575.	1.6	33
129	Associations between sleep duration, sleep quality and diabetic retinopathy. PLoS ONE, 2018, 13, e0196399.	1.1	28
130	Differential effect of body mass index on the incidence of diabetes and diabetic retinopathy in two Asian populations. Nutrition and Diabetes, 2018, 8, 16.	1.5	30
131	Six-Year Incidence and Risk Factors of Age-Related Macular Degeneration in Singaporean Indians: The Singapore Indian Eye Study. Scientific Reports, 2018, 8, 8869.	1.6	9
132	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. PLoS ONE, 2018, 13, e0198166.	1.1	94
133	HbA1c, systolic blood pressure variability and diabetic retinopathy in Asian type 2 diabetics. Journal of Diabetes, 2017, 9, 200-207.	0.8	40
134	Retinopathy Signs Improved Prediction and Reclassification of Cardiovascular Disease Risk in Diabetes: A prospective cohort study. Scientific Reports, 2017, 7, 41492.	1.6	27
135	Characterisation of choroidal morphological and vascular features in diabetes and diabetic retinopathy. British Journal of Ophthalmology, 2017, 101, 1038-1044.	2.1	36
136	Six-Year Incidence of Age-Related Macular Degeneration in Asian Malays. Ophthalmology, 2017, 124, 1305-1313.	2.5	31
137	Singapore Indian Eye Study‐2: methodology and impact of migration on systemic and eye outcomes. Clinical and Experimental Ophthalmology, 2017, 45, 779-789.	1.3	65
138	Vision impairment and major eye diseases reduce vision-specific emotional well-being in a Chinese population. British Journal of Ophthalmology, 2017, 101, 686-690.	2.1	27
139	Comparison of Corneal Biomechanical Properties between Indian and Chinese Adults. Ophthalmology, 2017, 124, 1271-1279.	2.5	11
140	Incidence and risk factors of symptomatic dry eye disease in Asian Malays from the Singapore Malay Eye Study. Ocular Surface, 2017, 15, 742-748.	2.2	19
141	Retinal vascular geometry and 6‐year incidence and progression of diabetic retinopathy. Diabetologia, 2017, 60, 1770-1781.	2.9	48
142	Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and triglyceride levels. Human Molecular Genetics, 2017, 26, 1770-1784.	1.4	135
143	Ethnic Differences in the Association Between Age-Related Macular Degeneration and Vision-Specific Functioning. JAMA Ophthalmology, 2017, 135, 469.	1.4	7
144	Cumulative incidence and risk factors of prediabetes and type 2 diabetes in a Singaporean Malay cohort. Diabetes Research and Clinical Practice, 2017, 127, 163-171.	1.1	17

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145	Global causes of vision loss in 2015: are we on track to achieve the Vision 2020 target?. The Lancet Global Health, 2017, 5, e1164-e1165.	2.9	21
146	Is Corneal Arcus Independently Associated With Incident Cardiovascular Disease in Asians?. American Journal of Ophthalmology, 2017, 183, 99-106.	1.7	16
147	Retinal Vascular Imaging Markers and Incident Chronic Kidney Disease: A Prospective Cohort Study. Scientific Reports, 2017, 7, 9374.	1.6	44
148	Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. JAMA - Journal of the American Medical Association, 2017, 318, 2211.	3.8	1,442
149	Association Between the Severity of Diabetic Retinopathy and Falls in an Asian Population With Diabetes. JAMA Ophthalmology, 2017, 135, 1410.	1.4	31
150	Genome-wide association study identifies a missense variant at APOA5 for coronary artery disease in Multi-Ethnic Cohorts from Southeast Asia. Scientific Reports, 2017, 7, 17921.	1.6	28
151	Prevalence and Determinants of Suboptimal Vitamin D Levels in a Multiethnic Asian Population. Nutrients, 2017, 9, 313.	1.7	40
152	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. PLoS Medicine, 2017, 14, e1002383.	3.9	341
153	Urinary Isoprostane Levels and Age-Related Macular Degeneration. , 2017, 58, 2538.		10
154	Combined poor diabetes control indicators are associated with higher risks of diabetic retinopathy and macular edema than poor glycemic control alone. PLoS ONE, 2017, 12, e0180252.	1.1	26
155	Diabetic Microvascular Complications: Novel Risk Factors, Biomarkers, and Risk Prediction Models. Journal of Diabetes Research, 2016, 2016, 1-2.	1.0	4
156	Differential Impact of Unilateral and Bilateral Classifications of Diabetic Retinopathy and Diabetic Macular Edema on Vision-Related Quality of Life. , 2016, 57, 4655.		17
157	Vitamin D insufficiency and cognitive impairment in Asians: a multiâ€ethnic populationâ€based study and metaâ€analysis. Journal of Internal Medicine, 2016, 280, 300-311.	2.7	30
158	Joint Effect of Early Microvascular Damage in the Eye & Kidney on Risk of Cardiovascular Events. Scientific Reports, 2016, 6, 27442.	1.6	13
159	Cystatin C, chronic kidney disease and retinopathy in adults without diabetes. European Journal of Preventive Cardiology, 2016, 23, 1413-1420.	0.8	7
160	Cortical cerebral microinfarcts on 3T MRI. Neurology, 2016, 87, 1583-1590.	1.5	101
161	Association of Vision Impairment and Major Eye Diseases With Mobility and Independence in a Chinese Population. JAMA Ophthalmology, 2016, 134, 1087.	1.4	37
162	Age of onset of myopia predicts risk of high myopia in later childhood in myopic Singapore children. Ophthalmic and Physiological Optics, 2016, 36, 388-394.	1.0	194

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163	Addressing risk factors, screening, and preventative treatment for diabetic retinopathy in developing countries: a review. Clinical and Experimental Ophthalmology, 2016, 44, 300-320.	1.3	35
164	Visual Impairment in Old and Very Old Community-dwelling Asian Adults. Ophthalmology, 2016, 123, 2436-2438.	2.5	8
165	Association of Changes in Visual Acuity With Vision-Specific Functioning in the Singapore Malay Eye Study. JAMA Ophthalmology, 2016, 134, 1299.	1.4	8
166	Assessment of the psychometric properties of the Chinese Impact of Vision Impairment questionnaire in a population-based study: findings from the Singapore Chinese Eye Study. Quality of Life Research, 2016, 25, 871-880.	1.5	21
167	Prevalence, Correlates, and Impact of Uncorrected Presbyopia in a Multiethnic Asian Population. American Journal of Ophthalmology, 2016, 168, 191-200.	1.7	15
168	Plasma Metabonomic Profiling of Diabetic Retinopathy. Diabetes, 2016, 65, 1099-1108.	0.3	113
169	Increased Burden of Vision Impairment and Eye Diseases in Persons with Chronic Kidney Disease â€" A Population-Based Study. EBioMedicine, 2016, 5, 193-197.	2.7	46
170	Metabolic syndrome and eye diseases. Diabetes Research and Clinical Practice, 2016, 113, 86-100.	1.1	37
171	Differential Association of Generalized and Abdominal Obesity With Diabetic Retinopathy in Asian Patients With Type 2 Diabetes. JAMA Ophthalmology, 2016, 134, 251.	1.4	89
172	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. Ophthalmic Epidemiology, 2016, 23, 209-222.	0.8	107
173	Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. Eye and Vision (London, England), 2015, 2, 17.	1.4	1,032
174	The Association of Estimated Glomerular Filtration Rate With Diabetic Retinopathy and Macular Edema. , 2015, 56, 4810.		64
175	Retinal Microvascular Abnormalities and Risk of Renal Failure in Asian Populations. PLoS ONE, 2015, 10, e0118076.	1.1	33
176	Composite Measures of Individual and Area-Level Socio-Economic Status Are Associated with Visual Impairment in Singapore. PLoS ONE, 2015, 10, e0142302.	1.1	20
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