

Charumathi Sabanayagam

List of Publications by Year in descending order

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Version: 2024-02-01

243
papers

15,471
citations

41344

49
h-index

26613

107
g-index

250
all docs

250
docs citations

250
times ranked

18018
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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.	13.7	1,289
3	Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. Eye and Vision (London, England), 2015, 2, 17.	3.0	1,032
4	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.	5.2	680
5	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	21.4	549
6	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
7	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
8	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	21.4	341
9	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology, the, 2019, 7, 140-149.	11.4	299
10	Sleep Duration and Cardiovascular Disease: Results from the National Health Interview Survey. Sleep, 2010, 33, 1037-1042.	1.1	292
11	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	27.8	282
12	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. Nature Genetics, 2022, 54, 560-572.	21.4	250
13	Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of Clinical Epidemiology, 2020, 122, 56-69.	5.0	245
14	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.	13.7	219
15	Retinal Microvasculature as a Model to Study the Manifestations of Hypertension. Hypertension, 2012, 60, 1094-1103.	2.7	208
16	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.	2.0	194
17	Kidney and eye diseases: common risk factors, etiological mechanisms, and pathways. Kidney International, 2014, 85, 1290-1302.	5.2	172
18	Strategies to Tackle the Global Burden of Diabetic Retinopathy: From Epidemiology to Artificial Intelligence. Ophthalmologica, 2020, 243, 9-20.	1.9	164

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19	Relationship between glycated haemoglobin and microvascular complications: Is there a natural cut-off point for the diagnosis of diabetes?. <i>Diabetologia</i> , 2009, 52, 1279-1289.	6.3	156
20	Bisphenol A and Peripheral Arterial Disease: Results from the NHANES. <i>Environmental Health Perspectives</i> , 2012, 120, 1297-1300.	6.0	154
21	Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and triglyceride levels. <i>Human Molecular Genetics</i> , 2017, 26, 1770-1784.	2.9	135
22	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , 2019, 10, 4130.	12.8	133
23	A deep-learning system for the assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre. <i>Nature Biomedical Engineering</i> , 2021, 5, 498-508.	22.5	131
24	A deep learning algorithm to detect chronic kidney disease from retinal photographs in community-based populations. <i>The Lancet Digital Health</i> , 2020, 2, e295-e302.	12.3	130
25	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. <i>Cell</i> , 2019, 179, 736-749.e15.	28.9	126
26	Development of Risk Prediction Equations for Incident Chronic Kidney Disease. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 2104.	7.4	124
27	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018, 102, 375-400.	6.2	123
28	Plasma Metabonomic Profiling of Diabetic Retinopathy. <i>Diabetes</i> , 2016, 65, 1099-1108.	0.6	113
29	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019, 51, 636-648.	21.4	112
30	Ten Emerging Trends in the Epidemiology of Diabetic Retinopathy. <i>Ophthalmic Epidemiology</i> , 2016, 23, 209-222.	1.7	107
31	The association between active smoking, smokeless tobacco, second-hand smoke exposure and insufficient sleep. <i>Sleep Medicine</i> , 2011, 12, 7-11.	1.6	106
32	Cortical cerebral microinfarcts on 3T MRI. <i>Neurology</i> , 2016, 87, 1583-1590.	1.1	101
33	Retinal Microvascular Caliber and Chronic Kidney Disease in an Asian Population. <i>American Journal of Epidemiology</i> , 2008, 169, 625-632.	3.4	98
34	Ethnic Differences in the Prevalence and Risk Factors of Diabetic Retinopathy. <i>Ophthalmology</i> , 2018, 125, 529-536.	5.2	97
35	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018, 13, e0198166.	2.5	94
36	Prevalence, Risk Factors, and Impact of Myopic Macular Degeneration on Visual Impairment and Functioning Among Adults in Singapore. , 2018, 59, 4603.		92

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37	Sleep Duration and Self-Rated Health: the National Health Interview Survey 2008. <i>Sleep</i> , 2011, 34, 1173-1177.	1.1	89
38	Differential Association of Generalized and Abdominal Obesity With Diabetic Retinopathy in Asian Patients With Type 2 Diabetes. <i>JAMA Ophthalmology</i> , 2016, 134, 251.	2.5	89
39	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019, 10, 4957.	12.8	84
40	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , 2018, 9, 5052.	12.8	75
41	Telehealth Demand Trends During the COVID-19 Pandemic in the Top 50 Most Affected Countries: Infodemiological Evaluation. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e24445.	2.6	73
42	Metabolic Syndrome Components and Age-Related Cataract: The Singapore Malay Eye Study. , 2011, 52, 2397.		72
43	Relationship between urinary bisphenol A levels and prediabetes among subjects free of diabetes. <i>Acta Diabetologica</i> , 2013, 50, 625-631.	2.5	72
44	Retinal arteriolar narrowing increases the likelihood of chronic kidney disease in hypertension. <i>Journal of Hypertension</i> , 2009, 27, 2209-2217.	0.5	71
45	Ethnic disparities in prevalence and impact of risk factors of chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2564-2570.	0.7	71
46	Structural Changes in the Retinal Microvasculature and Renal Function. , 2013, 54, 2970.		67
47	Prevalence and determinants of undiagnosed diabetic retinopathy and vision-threatening retinopathy in a multiethnic Asian cohort: the Singapore Epidemiology of Eye Diseases (SEED) study. <i>British Journal of Ophthalmology</i> , 2015, 99, 1614-1621.	3.9	66
48	Singapore Indian Eye Studyâ€²: methodology and impact of migration on systemic and eye outcomes. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 779-789.	2.6	65
49	The Association of Estimated Glomerular Filtration Rate With Diabetic Retinopathy and Macular Edema. , 2015, 56, 4810.		64
50	Association of Diabetic Retinopathy and Diabetic Kidney Disease With All-Cause and Cardiovascular Mortality in a Multiethnic Asian Population. <i>JAMA Network Open</i> , 2019, 2, e191540.	5.9	64
51	Fractal analysis of the retinal vasculature and chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2252-2258.	0.7	57
52	Serum 25-Hydroxyvitamin D Levels and Prediabetes Among Subjects Free of Diabetes. <i>Diabetes Care</i> , 2011, 34, 1114-1119.	8.6	56
53	Chronic kidney disease, cardiovascular disease and mortality: A prospective cohort study in a multi-ethnic Asian population. <i>European Journal of Preventive Cardiology</i> , 2015, 22, 1018-1026.	1.8	56
54	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. <i>Npj Digital Medicine</i> , 2019, 2, 24.	10.9	53

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55	Body mass index and retinopathy in Asian populations with diabetes mellitus. <i>Acta Diabetologica</i> , 2015, 52, 73-80.	2.5	51
56	Incorporating kidney disease measures into cardiovascular risk prediction: Development and validation in 9 million adults from 72 datasets. <i>EClinicalMedicine</i> , 2020, 27, 100552.	7.1	50
57	Cohort Profile: The Singapore Epidemiology of Eye Diseases study (SEED). <i>International Journal of Epidemiology</i> , 2021, 50, 41-52.	1.9	49
58	Socioeconomic Status and Overweight/obesity in an Adult Chinese Population in Singapore. <i>Journal of Epidemiology</i> , 2007, 17, 161-168.	2.4	48
59	Retinal Vascular Caliber and Diabetes in a Multiethnic Asian Population. <i>Microcirculation</i> , 2009, 16, 534-543.	1.8	48
60	Bidirectional Association of Retinal Vessel Diameters and Estimated GFR Decline: The Beaver Dam CKD Study. <i>American Journal of Kidney Diseases</i> , 2011, 57, 682-691.	1.9	48
61	The Relationship between Insufficient Sleep and Self-Rated Health in a Nationally Representative Sample. <i>Journal of Environmental and Public Health</i> , 2012, 2012, 1-8.	0.9	48
62	Retinal vascular geometry and 6-year incidence and progression of diabetic retinopathy. <i>Diabetologia</i> , 2017, 60, 1770-1781.	6.3	48
63	Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. <i>PLoS ONE</i> , 2020, 15, e0229665.	2.5	48
64	Elevated Serum Leptin, Adiponectin and Leptin to Adiponectin Ratio Is Associated with Chronic Kidney Disease in Asian Adults. <i>PLoS ONE</i> , 2015, 10, e0122009.	2.5	48
65	Racial Differences in the Prevalence of Diabetes but Not Diabetic Retinopathy in a Multi-ethnic Asian Population. , 2011, 52, 7586.		47
66	Diabetic Retinopathy in the Asia-Pacific. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019, 7, 3-16.	2.5	47
67	Increased Burden of Vision Impairment and Eye Diseases in Persons with Chronic Kidney Disease – A Population-Based Study. <i>EBioMedicine</i> , 2016, 5, 193-197.	6.1	46
68	Retinal Vascular Imaging Markers and Incident Chronic Kidney Disease: A Prospective Cohort Study. <i>Scientific Reports</i> , 2017, 7, 9374.	3.3	44
69	The War on Diabetic Retinopathy: Where Are We Now?. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019, 8, 448-456.	2.5	44
70	Serum Calcium Levels and Hypertension Among US Adults. <i>Journal of Clinical Hypertension</i> , 2011, 13, 716-721.	2.0	43
71	Chronic Kidney Disease and Intraocular Pressure. <i>Ophthalmology</i> , 2010, 117, 477-483.	5.2	42
72	Serum C-reactive protein level and prediabetes in two Asian populations. <i>Diabetologia</i> , 2011, 54, 767-775.	6.3	42

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73	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. <i>Kidney International</i> , 2021, 99, 926-939.	5.2	42
74	Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. <i>Diabetologia</i> , 2015, 58, 2476-2485.	6.3	41
75	HbA1c, systolic blood pressure variability and diabetic retinopathy in Asian type 2 diabetics. <i>Journal of Diabetes</i> , 2017, 9, 200-207.	1.8	40
76	Prevalence and Determinants of Suboptimal Vitamin D Levels in a Multiethnic Asian Population. <i>Nutrients</i> , 2017, 9, 313.	4.1	40
77	Markers of Sleep-Disordered Breathing and Metabolic Syndrome in a Multiethnic Sample of US Adults: Results from the National Health and Nutrition Examination Survey 2005-2008. <i>Cardiology Research and Practice</i> , 2012, 2012, 1-7.	1.1	39
78	Association Between Visual Impairment and Decline in Cognitive Function in a Multiethnic Asian Population. <i>JAMA Network Open</i> , 2020, 3, e203560.	5.9	39
79	Serum gamma-glutamyl transferase level and diabetes mellitus among US adults. <i>European Journal of Epidemiology</i> , 2009, 24, 369-373.	5.7	38
80	Association of Vision Impairment and Major Eye Diseases With Mobility and Independence in a Chinese Population. <i>JAMA Ophthalmology</i> , 2016, 134, 1087.	2.5	37
81	Metabolic syndrome and eye diseases. <i>Diabetes Research and Clinical Practice</i> , 2016, 113, 86-100.	2.8	37
82	Characterisation of choroidal morphological and vascular features in diabetes and diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2017, 101, 1038-1044.	3.9	36
83	Socioeconomic Status, Self-Rated Health, and Mortality in a Multiethnic Sample of US Adults. <i>Journal of Epidemiology</i> , 2011, 21, 337-345.	2.4	35
84	Addressing risk factors, screening, and preventative treatment for diabetic retinopathy in developing countries: a review. <i>Clinical and Experimental Ophthalmology</i> , 2016, 44, 300-320.	2.6	35
85	Prevalence and Pattern of Geographic Atrophy in Asia. <i>Ophthalmology</i> , 2020, 127, 1371-1381.	5.2	34
86	Retinal Microvascular Abnormalities and Risk of Renal Failure in Asian Populations. <i>PLoS ONE</i> , 2015, 10, e0118076.	2.5	33
87	Diagnosis of Diabetes Mellitus Using HbA1c in Asians: Relationship Between HbA1c and Retinopathy in a Multiethnic Asian Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 689-696.	3.6	33
88	Falls and Recurrent Falls among Adults in A Multi-ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. <i>Scientific Reports</i> , 2018, 8, 7575.	3.3	33
89	Vision Impairment in CKD Patients: Epidemiology, Mechanisms, Differential Diagnoses, and Prevention. <i>American Journal of Kidney Diseases</i> , 2019, 73, 846-857.	1.9	33
90	Effect of blood pressure on the retinal vasculature in a multi-ethnic Asian population. <i>Hypertension Research</i> , 2009, 32, 975-982.	2.7	32

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91	C-Reactive Protein and Retinal Microvascular Caliber in a Multiethnic Asian Population. <i>American Journal of Epidemiology</i> , 2010, 171, 206-213.	3.4	32
92	Do we have enough ophthalmologists to manage vision-threatening diabetic retinopathy? A global perspective. <i>Eye</i> , 2020, 34, 1255-1261.	2.1	32
93	Six-Year Incidence of Age-Related Macular Degeneration in Asian Malays. <i>Ophthalmology</i> , 2017, 124, 1305-1313.	5.2	31
94	Association Between the Severity of Diabetic Retinopathy and Falls in an Asian Population With Diabetes. <i>JAMA Ophthalmology</i> , 2017, 135, 1410.	2.5	31
95	The Relationship between Generalized and Abdominal Obesity with Diabetic Kidney Disease in Type 2 Diabetes: A Multiethnic Asian Study and Meta-Analysis. <i>Nutrients</i> , 2018, 10, 1685.	4.1	31
96	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019, 28, 2615-2633.	2.9	31
97	Prevalence of Diabetes Mellitus, Glycemic Control, and Associated Factors in a Malay Population in Singapore. <i>Asia-Pacific Journal of Public Health</i> , 2009, 21, 385-398.	1.0	30
98	Association between IGF-1 and chronic kidney disease among US adults. <i>Clinical and Experimental Nephrology</i> , 2010, 14, 440-444.	1.6	30
99	Insomnia Symptoms and Cardiovascular Disease among Older American Indians: The Native Elder Care Study. <i>Journal of Environmental and Public Health</i> , 2011, 2011, 1-6.	0.9	30
100	Vitamin D insufficiency and cognitive impairment in Asians: a multiethnic population-based study and meta-analysis. <i>Journal of Internal Medicine</i> , 2016, 280, 300-311.	6.0	30
101	Differential effect of body mass index on the incidence of diabetes and diabetic retinopathy in two Asian populations. <i>Nutrition and Diabetes</i> , 2018, 8, 16.	3.2	30
102	The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. <i>Diabetes Research and Clinical Practice</i> , 2020, 159, 107967.	2.8	30
103	Markers of Sleep Disordered Breathing and Diabetes Mellitus in a Multiethnic Sample of US Adults: Results from the National Health and Nutrition Examination Survey (2005-2008). <i>International Journal of Endocrinology</i> , 2012, 2012, 1-8.	1.5	29
104	Is chronic kidney disease associated with diabetic retinopathy in Asian adults? <i>Diabetes</i> , 2014, 6, 556-563.	1.8	29
105	Association between diabetic retinopathy and incident cognitive impairment. <i>British Journal of Ophthalmology</i> , 2019, 103, 1605-1609.	3.9	29
106	Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population. <i>Ophthalmology</i> , 2020, 127, 1064-1076.	5.2	29
107	The Association Between Socioeconomic Status and Overweight/Obesity in a Malay Population in Singapore. <i>Asia-Pacific Journal of Public Health</i> , 2009, 21, 487-496.	1.0	28
108	Genome-wide association study identifies a missense variant at APOA5 for coronary artery disease in Multi-Ethnic Cohorts from Southeast Asia. <i>Scientific Reports</i> , 2017, 7, 17921.	3.3	28

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109	Associations between sleep duration, sleep quality and diabetic retinopathy. <i>PLoS ONE</i> , 2018, 13, e0196399.	2.5	28
110	Technical and imaging factors influencing performance of deep learning systems for diabetic retinopathy. <i>Npj Digital Medicine</i> , 2020, 3, 40.	10.9	28
111	Prevalence, risk factors and impact of posterior staphyloma diagnosed from wide-field optical coherence tomography in Singapore adults with high myopia. <i>Acta Ophthalmologica</i> , 2021, 99, e144-e153.	1.1	28
112	Accuracy of diabetic retinopathy screening by trained non-physician graders using non-mydratric fundus camera. <i>Singapore Medical Journal</i> , 2012, 53, 715-9.	0.6	28
113	Sleep duration and hypercholesterolaemia: Results from the National Health Interview Survey 2008. <i>Sleep Medicine</i> , 2012, 13, 145-150.	1.6	27
114	Ethnic Variation in Central Corneal Refractive Power and Steep Cornea in Asians. <i>Ophthalmic Epidemiology</i> , 2014, 21, 99-105.	1.7	27
115	Retinopathy Signs Improved Prediction and Reclassification of Cardiovascular Disease Risk in Diabetes: A prospective cohort study. <i>Scientific Reports</i> , 2017, 7, 41492.	3.3	27
116	Vision impairment and major eye diseases reduce vision-specific emotional well-being in a Chinese population. <i>British Journal of Ophthalmology</i> , 2017, 101, 686-690.	3.9	27
117	Prevalence, awareness, and control of hypertension among Asian Indians living in urban Singapore and rural India. <i>Journal of Hypertension</i> , 2013, 31, 1539-1546.	0.5	26
118	COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. <i>Scientific Reports</i> , 2021, 11, 10795.	3.3	26
119	Combined poor diabetes control indicators are associated with higher risks of diabetic retinopathy and macular edema than poor glycemic control alone. <i>PLoS ONE</i> , 2017, 12, e0180252.	2.5	26
120	Six-Year Incidence of and Risk Factors for Cataract Surgery in a Multi-ethnic Asian Population. <i>Ophthalmology</i> , 2018, 125, 1844-1853.	5.2	25
121	Singapore Chinese Eye Study: key findings from baseline examination and the rationale, methodology of the 6-year follow-up series. <i>British Journal of Ophthalmology</i> , 2020, 104, 610-615.	3.9	25
122	Association of Antihypertensive Medication with Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Thickness. <i>Ophthalmology</i> , 2021, 128, 393-400.	5.2	25
123	Retinal photograph-based deep learning predicts biological age, and stratifies morbidity and mortality risk. <i>Age and Ageing</i> , 2022, 51, .	1.6	25
124	The CKD-EPI Equation and MDRD Study Equation Find Similar Prevalence of Chronic Kidney Disease in Asian Populations. <i>Annals of Internal Medicine</i> , 2009, 151, 892.	3.9	24
125	Income Is a Stronger Predictor of Mortality than Education in a National Sample of US Adults. <i>Journal of Health, Population and Nutrition</i> , 2012, 30, 82-6.	2.0	23
126	Serum Cystatin C, Markers of Chronic Kidney Disease, and Retinopathy in Persons with Diabetes. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-8.	2.3	22

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127	Patterns and Risk Factor Profiles of Visual Loss in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. <i>American Journal of Ophthalmology</i> , 2019, 206, 48-73.	3.3	22
128	C-reactive protein and microalbuminuria in a multi-ethnic Asian population. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1167-1172.	0.7	21
129	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. <i>Quality of Life Research</i> , 2016, 25, 871-880.	3.1	21
130	Global causes of vision loss in 2015: are we on track to achieve the Vision 2020 target?. <i>The Lancet Global Health</i> , 2017, 5, e1164-e1165.	6.3	21
131	Time trends, disease patterns and gender imbalance in the top 100 most cited articles in ophthalmology. <i>British Journal of Ophthalmology</i> , 2019, 103, 18-25.	3.9	21
132	Identification of genetic effects underlying type 2 diabetes in South Asian and European populations. <i>Communications Biology</i> , 2022, 5, 329.	4.4	21
133	Socioeconomic status and microalbuminuria in an Asian population. <i>Nephrology Dialysis Transplantation</i> , 2008, 24, 123-129.	0.7	20
134	Serum Vitamin D Level and Prehypertension among Subjects Free of Hypertension. <i>Kidney and Blood Pressure Research</i> , 2012, 35, 106-113.	2.0	20
135	Composite Measures of Individual and Area-Level Socio-Economic Status Are Associated with Visual Impairment in Singapore. <i>PLoS ONE</i> , 2015, 10, e0142302.	2.5	20
136	Referral for disease-related visual impairment using retinal photograph-based deep learning: a proof-of-concept, model development study. <i>The Lancet Digital Health</i> , 2021, 3, e29-e40.	12.3	20
137	Incidence and risk factors of symptomatic dry eye disease in Asian Malays from the Singapore Malay Eye Study. <i>Ocular Surface</i> , 2017, 15, 742-748.	4.4	19
138	Prevalence and predictors of myopic macular degeneration among Asian adults: pooled analysis from the Asian Eye Epidemiology Consortium. <i>British Journal of Ophthalmology</i> , 2021, 105, 1140-1148.	3.9	19
139	Serum cystatin C and prediabetes in non-obese US adults. <i>European Journal of Epidemiology</i> , 2013, 28, 311-316.	5.7	18
140	Prevalence and risk factors for retinopathy in persons without diabetes: the Singapore Indian Eye Study. <i>Acta Ophthalmologica</i> , 2014, 92, e602-9.	1.1	18
141	Six-Year Changes in Myopic Macular Degeneration in Adults of the Singapore Epidemiology of Eye Diseases Study. <i>Ophthalmology</i> , 2020, 127, 14.		18
142	Obesity and risk of age-related eye diseases: a systematic review of prospective population-based studies. <i>International Journal of Obesity</i> , 2021, 45, 1863-1885.	3.4	18
143	Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62 longitudinal genome-wide association studies. <i>Kidney International</i> , 2022, 102, 624-639.	5.2	18
144	Retinal Microvascular Changes and the Risk of Developing Obesity: Population-Based Cohort Study. <i>Microcirculation</i> , 2011, 18, 655-662.	1.8	17

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145	Differential Impact of Unilateral and Bilateral Classifications of Diabetic Retinopathy and Diabetic Macular Edema on Vision-Related Quality of Life. , 2016, 57, 4655.		17
146	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.	2.8	17
147	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Molecular Psychiatry, 2020, 26, 2111-2125.	7.9	17
148	Characteristics of myopic traction maculopathy in myopic Singaporean adults. British Journal of Ophthalmology, 2021, 105, 531-537.	3.9	17
149	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .	4.4	17
150	Is Corneal Arcus Independently Associated With Incident Cardiovascular Disease in Asians?. American Journal of Ophthalmology, 2017, 183, 99-106.	3.3	16
151	High-Density Lipoprotein Cholesterol in Age-Related Ocular Diseases. Biomolecules, 2020, 10, 645.	4.0	16
152	An evidence-based review of the epidemiology of myopic traction maculopathy. Survey of Ophthalmology, 2022, 67, 1603-1630.	4.0	16
153	Retinal Vessel Caliber and Peripheral Neuropathy in Diabetic Participants. Microcirculation, 2010, 17, 297-302.	1.8	15
154	Prevalence, Correlates, and Impact of Uncorrected Presbyopia in a Multiethnic Asian Population. American Journal of Ophthalmology, 2016, 168, 191-200.	3.3	15
155	Macular thickness profile and diabetic retinopathy: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2018, 102, 1072-1076.	3.9	15
156	Annual Myopia Progression and Subsequent 2-Year Myopia Progression in Singaporean Children. Translational Vision Science and Technology, 2020, 9, 12.	2.2	15
157	Artificial Intelligence in Predicting Systemic Parameters and Diseases From Ophthalmic Imaging. Frontiers in Digital Health, 0, 4, .	2.8	15
158	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.	3.9	14
159	Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.	11.6	14
160	Cell-Phone Use and Self-Reported Hypertension: National Health Interview Survey 2008. International Journal of Hypertension, 2011, 2011, 1-7.	1.3	13
161	Joint Effect of Early Microvascular Damage in the Eye & Kidney on Risk of Cardiovascular Events. Scientific Reports, 2016, 6, 27442.	3.3	13
162	Impact of Incidence and Progression of Diabetic Retinopathy on Vision-Specific Functioning. Ophthalmology, 2018, 125, 1401-1409.	5.2	13

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165	Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology Consortium (AEEC) study. <i>British Journal of Ophthalmology</i> , 2022, 106, 980-986.	3.9	13
166	High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. <i>Ophthalmology</i> , 2022, 129, 285-294.	5.2	13
167	Sleep Patterns and Myopia Among School-Aged Children in Singapore. <i>Frontiers in Public Health</i> , 2022, 10, 828298.	2.7	13
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169	Cardio-metabolic risk factors and prehypertension in persons without diabetes, hypertension, and cardiovascular disease. <i>BMC Public Health</i> , 2013, 13, 730.	2.9	12
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171	Sleep Duration and Diabetic Kidney Disease. <i>Frontiers in Endocrinology</i> , 2019, 9, 808.	3.5	12
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173	Association between Macular Thickness Profiles and Visual Function in Healthy Eyes: The Singapore Epidemiology of Eye Diseases (SEED) Study. <i>Scientific Reports</i> , 2020, 10, 6142.	3.3	12
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193	Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2021, 105, 420-425.	3.9	9
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227	Retinal vascular profile in predicting incident cardiometabolic diseases among individuals with diabetes. <i>Microcirculation</i> , 2022, 29, .	1.8	4
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