Ching-Yu Cheng

List of Publications by Year
in descending order

545 papers	50,208 citations	6840 81 h-index	2823 197 g-index
567 all docs	567 docs citations	567 times ranked	61253 citing authors

#	Article	IF	Citations
1	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.	2.1	3
2	Relationship between vision impairment and employment. British Journal of Ophthalmology, 2023, 107, 361-366.	2.1	6
3	Angle closure extent, anterior segment dimensions and intraocular pressure. British Journal of Ophthalmology, 2023, 107, 927-934.	2.1	6
4	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
5	Machine learning identifying peripheral circulating metabolites associated with intraocular pressure alterations. British Journal of Ophthalmology, 2023, 107, 1275-1280.	2.1	1
6	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
7	Peripapillary sclera exhibits a v-shaped configuration that is more pronounced in glaucoma eyes. British Journal of Ophthalmology, 2022, 106, 491-496.	2.1	12
8	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.	2.1	3
9	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
10	New digital models of care in ophthalmology, during and beyond the COVID-19 pandemic. British Journal of Ophthalmology, 2022, 106, 452-457.	2.1	28
11	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.	2.1	7
12	Computer-aided detection and abnormality score for the outer retinal layer in optical coherence tomography. British Journal of Ophthalmology, 2022, 106, 1301-1307.	2.1	4
13	Visual field defects and myopic macular degeneration in Singapore adults with high myopia. British Journal of Ophthalmology, 2022, 106, 1423-1428.	2.1	5
14	Near work, screen time, outdoor time and myopia in schoolchildren in the Sunflower Myopia AEEC Consortium. Acta Ophthalmologica, 2022, 100, 302-311.	0.6	19
15	Describing the Structural Phenotype of the Glaucomatous Optic Nerve Head Using Artificial Intelligence. American Journal of Ophthalmology, 2022, 236, 172-182.	1.7	23
16	Diagnostic accuracy of swept source optical coherence tomography classification algorithms for detection of gonioscopic angle closure. British Journal of Ophthalmology, 2022, 106, 1716-1721.	2.1	2
17	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.	2.1	14
18	Myopia incidence and lifestyle changes among school children during the COVID-19 pandemic: a population-based prospective study. British Journal of Ophthalmology, 2022, 106, 1772-1778.	2.1	84

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19	Analyses of biomarker traits in diverse UK biobank participants identify associations missed by European-centric analysis strategies. Journal of Human Genetics, 2022, 67, 87-93.	1.1	27
20	Identification of novel loci influencing refractive error in East Asian populations using an extreme phenotype design. Journal of Genetics and Genomics, 2022, 49, 54-62.	1.7	1
21	High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. Ophthalmology, 2022, 129, 285-294.	2.5	13
22	Multivariate Normative Comparison, a Novel Method for Improved Use of Retinal Nerve Fiber Layer Thickness to Detect Early Glaucoma. Ophthalmology Glaucoma, 2022, 5, 359-368.	0.9	10
23	Retinal Nerve Fiber Layer Thickness and Rim Area Profiles in Asians. Ophthalmology, 2022, 129, 552-561.	2.5	8
24	DeepLensNet: Deep Learning Automated Diagnosis and Quantitative Classification of Cataract Type and Severity. Ophthalmology, 2022, 129, 571-584.	2.5	23
25	Rare coding variants in 35 genes associate with circulating lipid levelsâ€"A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	2.6	24
26	Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.	5.3	14
27	Cerebral Microbleeds, Cerebral Amyloid Angiopathy, and Their Relationships to Quantitative Markers of Neurodegeneration. Neurology, 2022, 98, .	1.5	12
28	Three-dimensional modelling of the choroidal angioarchitecture in a multi-ethnic Asian population. Scientific Reports, 2022, 12, 3831.	1.6	6
29	Classification of Visual Field Abnormalities in Highly Myopic Eyes without Pathologic Change. Ophthalmology, 2022, 129, 803-812.	2.5	14
30	Six-Year Incidence and Risk Factors for Primary Angle-Closure Disease. Ophthalmology, 2022, 129, 792-802.	2.5	11
31	Serum Cholesterol Efflux Capacity in Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. Ophthalmology Science, 2022, , 100142.	1.0	0
32	The three-dimensional structural configuration of the central retinal vessel trunk and branches as a glaucoma biomarker. American Journal of Ophthalmology, 2022, 240, 205-216.	1.7	5
33	The Potential of Current Polygenic Risk Scores to Predict High Myopia and Myopic Macular Degeneration in Multiethnic Singapore Adults. Ophthalmology, 2022, 129, 890-902.	2.5	5
34	Identification of genetic effects underlying type 2 diabetes in South Asian and European populations. Communications Biology, 2022, 5, 329.	2.0	21
35	Retinal photograph-based deep learning predicts biological age, and stratifies morbidity and mortality risk. Age and Ageing, 2022, 51, .	0.7	25
36	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

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37	Detection of Systemic Diseases From Ocular Images Using Artificial Intelligence: A Systematic Review. Asia-Pacific Journal of Ophthalmology, 2022, 11, 126-139.	1.3	3
38	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
39	Normative data and associations of Optical Coherence Tomography Angiography measurements of the macula: The Singapore Malay Eye Study. Ophthalmology Retina, 2022, , .	1.2	1
40	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
41	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
42	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .	2.0	17
43	Bidirectional association between glaucoma and chronic kidney disease: A systematic review and meta-analysis. EClinicalMedicine, 2022, 49, 101498.	3.2	6
44	Deep learning algorithms to isolate and quantify the structures of the anterior segment in optical coherence tomography images. British Journal of Ophthalmology, 2021, 105, 1231-1237.	2.1	23
45	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
46	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
47	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.	2.1	23
48	Highlights from the 2019 International Myopia Summit on â€˜controversies in myopiaâ€™. British Journal of Ophthalmology, 2021, 105, 1196-1202.	2.1	11
49	The Bidirectional Relationship between Vision and Cognition. Ophthalmology, 2021, 128, 981-992.	2.5	46
50	Evaluation of meridional scans for angle closure assessment with anterior segment swept-source optical coherence tomography. British Journal of Ophthalmology, 2021, 105, 131-134.	2.1	7
51	Iris and its relevance to angle closure disease: a review. British Journal of Ophthalmology, 2021, 105, 3-8.	2.1	20
52	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
53	Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 420-425.	2.1	9
54	Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. British Journal of Ophthalmology, 2021, 105, 397-402.	2.1	12

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55	Prevalence of retinitis pigmentosa in Singapore: the Singapore Epidemiology of Eye Diseases Study. Acta Ophthalmologica, 2021, 99, e134-e135.	0.6	6
56	The Impact of Strategic White Matter Hyperintensity Lesion Location on Language. American Journal of Geriatric Psychiatry, 2021, 29, 156-165.	0.6	9
57	Association of Antihypertensive Medication with Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Thickness. Ophthalmology, 2021, 128, 393-400.	2.5	25
58	The Differential Impact of Age on Vision-Related Quality of Life across the Visual Impairment Spectrum. Ophthalmology, 2021, 128, 354-363.	2.5	15
59	Albuminuria and Primary Open-Angle Glaucoma: the Singapore Chinese Eye Study (SCES). British Journal of Ophthalmology, 2021, 105, 669-673.	2.1	5
60	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci for Estimating Angle Closure Disease Severity. Ophthalmology, 2021, 128, 403-409.	2.5	12
61	Deep learning in glaucoma with optical coherence tomography: a review. Eye, 2021, 35, 188-201.	1.1	53
62	Patterns and Determinants of Choroidal Thickness in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. Ophthalmology Retina, 2021, 5, 458-467.	1.2	20
63	Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. The Lancet Global Health, 2021, 9, e130-e143.	2.9	500
64	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. Kidney International, 2021, 99, 926-939.	2.6	42
65	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
66	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
67	Vision, vision-specific functioning and mobility, and their relationship with clinically assessed cognitive impairment. Age and Ageing, 2021, 50, 1236-1242.	0.7	3
68	Genetic Epidemiology of Quantitative Traits of Primary Open Angle Glaucoma. Essentials in Ophthalmology, 2021, , 121-132.	0.0	0
69	Cohort Profile: The Singapore Epidemiology of Eye Diseases study (SEED). International Journal of Epidemiology, 2021, 50, 41-52.	0.9	49
70	A Clinicianâ€™s Introduction to Artificial Intelligence. Current Practices in Ophthalmology, 2021, , 1-11.	0.1	0
71	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
72	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. Nature Communications, 2021, 12, 1258.	5.8	196

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73	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.	2.1	1
74	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
75	White matter network damage mediates association between cerebrovascular disease and cognition. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2199098.	2.4	14
76	Deep Learning Approach for Automated Detection of Myopic Maculopathy and Pathologic Myopia in Fundus Images. Ophthalmology Retina, 2021, 5, 1235-1244.	1.2	40
77	Retinal microvascular signs and risk of diabetic kidney disease in asian and white populations. Scientific Reports, 2021, 11, 4898.	1.6	12
78	Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. Science Advances, 2021, 7, .	4.7	36
79	Six-Year Incidence and Risk Factors of Primary Glaucoma in the Singapore Indian Eye Study. Ophthalmology Glaucoma, 2021, 4, 201-208.	0.9	3
80	Heterogeneous contributions of change in population distribution of body mass index to change in obesity and underweight. ELife, 2021, 10, .	2.8	41
81	COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. Scientific Reports, 2021, 11, 10795.	1.6	26
82	Response to: Revisiting the Problem of Optic Nerve Detection in a Retinal Image Using Automated Machine Learning. Asia-Pacific Journal of Ophthalmology, 2021, 10, 337.	1.3	0
83	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.	2.5	680
84	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.	5.9	78
85	Deep-learning-based cardiovascular risk stratification using coronary artery calcium scores predicted from retinal photographs. The Lancet Digital Health, 2021, 3, e306-e316.	5.9	93
86	The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.	9.4	341
87	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. Nature Communications, 2021, 12, 3505.	5.8	49
88	Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. JAMA Ophthalmology, 2021, 139, 601.	1.4	22
89	Emergence of nonâ€AI digital health innovations in ophthalmology: A systematic review. Clinical and Experimental Ophthalmology, 2021, 49, 741-756.	1.3	4
90	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

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91	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.	1.3	13
92	Novel Serum and Urinary Metabolites Associated with Diabetic Retinopathy in Three Asian Cohorts. Metabolites, 2021, 11, 614.	1.3	9
93	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
94	Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. Ophthalmology, 2021, 128, 1300-1311.	2.5	27
95	Deep-Learningâ€"Based Pre-Diagnosis Assessment Module for Retinal Photographs: A Multicenter Study. Translational Vision Science and Technology, 2021, 10, 16.	1.1	11
96	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
97	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
98	The Global Extent of Undetected Glaucoma in Adults. Ophthalmology, 2021, 128, 1393-1404.	2.5	33
99	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
100	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
101	Determinants of lamina cribrosa depth in healthy Asian eyes: the Singapore Epidemiology Eye Study. British Journal of Ophthalmology, 2021, 105, 367-373.	2.1	7
102	Characteristics of myopic traction maculopathy in myopic Singaporean adults. British Journal of Ophthalmology, 2021, 105, 531-537.	2.1	17
103	Association of alcohol intake with incidence and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 538-542.	2.1	7
104	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353
105	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
106	Retinal parameters, cortical microinfarcts and functional cognitive impairment. Alzheimer's and Dementia, 2021, 17, .	0.4	0
107	Compensation of retinal nerve fibre layer thickness as assessed using optical coherence tomography based on anatomical confounders. British Journal of Ophthalmology, 2020, 104, 282-290.	2.1	25
108	Analysis of 47 Non-MHC Ankylosing Spondylitis Susceptibility Loci Regarding Associated Variants across Whites and Han Chinese. Journal of Rheumatology, 2020, 47, 674-681.	1.0	4

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109	Understanding diagnostic disagreement in angle closure assessment between anterior segment optical coherence tomography and gonioscopy. British Journal of Ophthalmology, 2020, 104, 795-799.	2.1	30
110	Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections. British Journal of Ophthalmology, 2020, 104, 616-622.	2.1	36
111	Systemic medications and cortical cataract: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2020, 104, 330-335.	2.1	3
112	Detection of anaemia from retinal images. Nature Biomedical Engineering, 2020, 4, 2-3.	11.6	5
113	The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. Diabetes Research and Clinical Practice, 2020, 159, 107967.	1.1	30
114	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.	0.3	12
115	Development and clinical deployment of a smartphone-based visual field deep learning system for glaucoma detection. Npj Digital Medicine, 2020, 3, 123.	5.7	32
116	Prediction of systemic biomarkers from retinal photographs: development and validation of deep-learning algorithms. The Lancet Digital Health, 2020, 2, e526-e536.	5.9	83
117	Statistical inference for decision curve analysis, with applications to cataract diagnosis. Statistics in Medicine, 2020, 39, 2980-3002.	0.8	12
118	Keratoconus-susceptibility gene identification by corneal thickness genome-wide association study and artificial intelligence IBM Watson. Communications Biology, 2020, 3, 410.	2.0	24
119	Big Data in Ophthalmology. Asia-Pacific Journal of Ophthalmology, 2020, 9, 291-298.	1.3	33
120	Asianâ€specific vertical cupâ€toâ€disc ratio cutâ€off for glaucoma screening: An evidenceâ€based recommendation from a multiâ€ethnic Asian population. Clinical and Experimental Ophthalmology, 2020, 48, 1210-1218.	1.3	17
121	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
122	Strengthening the integration of eye care into the health system: methodology for the development of the WHO package of eye care interventions. BMJ Open Ophthalmology, 2020, 5, e000533.	0.8	23
123	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
124	Decrease in Choroidal Vascularity Index of Hallerâ€™s layer in diabetic eyes precedes retinopathy. BMJ Open Diabetes Research and Care, 2020, 8, e001295.	1.2	28
125	Association of Glaucoma Risk Genes with Retinal Nerve Fiber Layer in a Multi-ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. , 2020, 61, 37.		8
126	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. Communications Biology, 2020, 3, 755.	2.0	10

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127	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
128	Global assessment of arteriolar, venular and capillary changes in normal tension glaucoma. Scientific Reports, 2020, 10, 19222.	1.6	14
129	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
130	Association Between Visual Impairment and Decline in Cognitive Function in a Multiethnic Asian Population. JAMA Network Open, 2020, 3, e203560.	2.8	39
131	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
132	Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.	13.7	282
133	Artificial Intelligence for Cataract Detection and Management. Asia-Pacific Journal of Ophthalmology, 2020, 9, 88-95.	1.3	36
134	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
135	Diagnostic Ability of Individual Macular Layers by Spectral-Domain OCT in Different Stages of Glaucoma. Ophthalmology Glaucoma, 2020, 3, 314-326.	0.9	21
136	Agreement in Measures of Macular Perfusion between Optical Coherence Tomography Angiography Machines. Scientific Reports, 2020, 10, 8345.	1.6	1
137	Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.	2.5	34
138	Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of Clinical Epidemiology, 2020, 122, 56-69.	2.4	245
139	Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. PLoS ONE, 2020, 15, e0229665.	1.1	48
140	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.	2.5	15
141	Genome-wide association meta-analysis of corneal curvature identifies novel loci and shared genetic influences across axial length and refractive error. Communications Biology, 2020, 3, 133.	2.0	22
142	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
143	Systemic hypertension associated retinal microvascular changes can be detected with optical coherence tomography angiography. Scientific Reports, 2020, 10, 9580.	1.6	38
144	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

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145	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
146	Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population. Ophthalmology, 2020, 127, 1064-1076.	2.5	29
147	Interethnic differences in neuroimaging markers and cognition in Asians, a population-based study. Scientific Reports, 2020, 10, 2655.	1.6	5
148	MRI Markers of Mixed Pathology and Cognitive Impairment in Multiethnic Asians. Journal of Alzheimer's Disease, 2020, 73, 1501-1509.	1.2	4
149	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
150	Do we have enough ophthalmologists to manage vision-threatening diabetic retinopathy? A global perspective. Eye, 2020, 34, 1255-1261.	1.1	32
151	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
152	Incidence, progression and risk factors of ageâ€related cataract in Malays: The Singapore Malay Eye Study. Clinical and Experimental Ophthalmology, 2020, 48, 580-592.	1.3	7
153	Performance competence of pregraduate nursing students and hospital nurses: A comparison study. Journal of Clinical Nursing, 2020, 29, 2652-2662.	1.4	10
154	Association of G6PD variants with hemoglobin A1c and impact on diabetes diagnosis in East Asian individuals. BMJ Open Diabetes Research and Care, 2020, 8, e001091.	1.2	12
155	High-Density Lipoprotein Cholesterol in Age-Related Ocular Diseases. Biomolecules, 2020, 10, 645.	1.8	16
156	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
157	Six-Year Changes in Myopic Macular Degeneration in Adults of the Singapore Epidemiology of Eye Diseases Study. , 2020, 61, 14.		18
158	Artificial Intelligence to Detect Papilledema from Ocular Fundus Photographs. New England Journal of Medicine, 2020, 382, 1687-1695.	13.9	214
159	Genome-Wide Association Study in Asians Identifies Novel Loci for High Myopia and Highlights a Nervous System Role in Its Pathogenesis. Ophthalmology, 2020, 127, 1612-1624.	2.5	21
160	Deep Learning for Automated Sorting of Retinal Photographs. Ophthalmology Retina, 2020, 4, 793-800.	1.2	14
161	Towards label-free 3D segmentation of optical coherence tomography images of the optic nerve head using deep learning. Biomedical Optics Express, 2020, 11, 6356.	1.5	24
162	Rationale and Methodology of The PopulatION HEalth and Eye Disease PRofile in Elderly Singaporeans Study [PIONEER]. , 2020, 11, 1444.		10

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163	Population genomics in South East Asia captures unexpectedly high carrier frequency for treatable inherited disorders. Genetics in Medicine, 2019, 21, 207-212.	1.1	18
164	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
165	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology,the, 2019, 7, 140-149.	5.5	299
166	Variation of Peripapillary Scleral Shape With Age. , 2019, 60, 3275.		22
167	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. Communications Biology, 2019, 2, 285.	2.0	27
168	Genetic variants linked to myopic macular degeneration in persons with high myopia: CREAM Consortium. PLoS ONE, 2019, 14, e0220143.	1.1	12
169	Integration of Genetic and Biometric Risk Factors for Detection of Primary Angle Closure Glaucoma. American Journal of Ophthalmology, 2019, 208, 160-165.	1.7	10
170	Prevalence and Risk Factors for Cognitive Impairment and Dementia in Indians: A Multiethnic Perspective from a Singaporean Study. Journal of Alzheimer's Disease, 2019, 71, 341-351.	1.2	14
171	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. Cell, 2019, 179, 736-749.e15.	13.5	126
172	Reporting on deep learning algorithms in health care. The Lancet Digital Health, 2019, 1, e328-e329.	5.9	16
173	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.	1.2	12
174	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. American Journal of Epidemiology, 2019, 188, 1033-1054.	1.6	85
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