## Ching-Yu Cheng

List of Publications by Year in descending order

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CHINC-YU CHENC

| #  | 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.                | 3.9 | 3         |
| 2  | Relationship between vision impairment and employment. British Journal of Ophthalmology, 2023, 107,<br>361-366.  | 3.9 | 6         |
| 3  | Angle closure extent, anterior segment dimensions and intraocular pressure. British Journal of<br>Ophthalmology, 2023, 107, 927-934.   | 3.9 | 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.   | 3.9 | 10        |
| 5  | Machine learning identifying peripheral circulating metabolites associated with intraocular pressure alterations. British Journal of Ophthalmology, 2023, 107, 1275-1280.                                      | 3.9 | 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.                                 | 3.9 | 8         |
| 7  | Peripapillary sclera exhibits a v-shaped configuration that is more pronounced in glaucoma eyes.<br>British Journal of Ophthalmology, 2022, 106, 491-496.  | 3.9 | 12        |
| 8  | Utilisation of poor-quality optical coherence tomography scans: adjustment algorithm from the<br>Singapore Epidemiology of Eye Diseases (SEED) study. British Journal of Ophthalmology, 2022, 106,<br>962-969. | 3.9 | 3         |
| 9  | Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology<br>Consortium (AEEC) study. British Journal of Ophthalmology, 2022, 106, 980-986.                           | 3.9 | 13        |
| 10 | New digital models of care in ophthalmology, during and beyond the COVID-19 pandemic. British<br>Journal of Ophthalmology, 2022, 106, 452-457.   | 3.9 | 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.                              | 3.9 | 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.  | 3.9 | 4         |
| 13 | Visual field defects and myopic macular degeneration in Singapore adults with high myopia. British<br>Journal of Ophthalmology, 2022, 106, 1423-1428.  | 3.9 | 5         |
| 14 | Near work, screen time, outdoor time and myopia in schoolchildren in the Sunflower Myopia AEEC<br>Consortium. Acta Ophthalmologica, 2022, 100, 302-311.  | 1.1 | 19        |
| 15 | Describing the Structural Phenotype of the Glaucomatous Optic Nerve Head Using Artificial<br>Intelligence. American Journal of Ophthalmology, 2022, 236, 172-182.  | 3.3 | 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.                 | 3.9 | 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.                 | 3.9 | 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.                       | 3.9 | 84        |

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|----|--|------|-----------|
| 19 | Analyses of biomarker traits in diverse UK biobank participants identify associations missed by<br>European-centric analysis strategies. Journal of Human Genetics, 2022, 67, 87-93. | 2.3  | 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.            | 3.9  | 1         |
| 21 | High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. Ophthalmology, 2022, 129, 285-294.   | 5.2  | 13        |
| 22 | Multivariate Normative Comparison, a Novel Method for Improved Use of Retinal Nerve Fiber Layer<br>Thickness to Detect Early Glaucoma. Ophthalmology Glaucoma, 2022, 5, 359-368.     | 1.9  | 10        |
| 23 | Retinal Nerve Fiber Layer Thickness and Rim Area Profiles in Asians. Ophthalmology, 2022, 129, 552-561.  | 5.2  | 8         |
| 24 | DeepLensNet: Deep Learning Automated Diagnosis and Quantitative Classification of Cataract Type and Severity. Ophthalmology, 2022, 129, 571-584.                                     | 5.2  | 23        |
| 25 | Rare coding variants in 35 genes associate with circulating lipid levels—A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.          | 6.2  | 24        |
| 26 | Detecting visually significant cataract using retinal photograph-based deep learning. Nature Aging, 2022, 2, 264-271.  | 11.6 | 14        |
| 27 | Cerebral Microbleeds, Cerebral Amyloid Angiopathy, and Their Relationships to Quantitative Markers of Neurodegeneration. Neurology, 2022, 98, .                                      | 1.1  | 12        |
| 28 | Three-dimensional modelling of the choroidal angioarchitecture in a multi-ethnic Asian population.<br>Scientific Reports, 2022, 12, 3831.  | 3.3  | 6         |
| 29 | Classification of Visual Field Abnormalities in Highly Myopic Eyes without Pathologic Change.<br>Ophthalmology, 2022, 129, 803-812.  | 5.2  | 14        |
| 30 | Six-Year Incidence and Risk Factors for Primary Angle-Closure Disease. Ophthalmology, 2022, 129, 792-802.  | 5.2  | 11        |
| 31 | Serum Cholesterol Efflux Capacity in Age-related Macular Degeneration and Polypoidal Choroidal<br>Vasculopathy. Ophthalmology Science, 2022, , 100142.                               | 2.5  | 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.      | 3.3  | 5         |
| 33 | The Potential of Current Polygenic Risk Scores to Predict High Myopia and Myopic Macular<br>Degeneration in Multiethnic Singapore Adults. Ophthalmology, 2022, 129, 890-902.         | 5.2  | 5         |
| 34 | Identification of genetic effects underlying type 2 diabetes in South Asian and European populations.<br>Communications Biology, 2022, 5, 329.                                       | 4.4  | 21        |
| 35 | Retinal photograph-based deep learning predicts biological age, and stratifies morbidity and mortality risk. Age and Ageing, 2022, 51, .   | 1.6  | 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, .  | 1.6  | 6         |

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|----|--|------|-----------|
| 37 | Detection of Systemic Diseases From Ocular Images Using Artificial Intelligence: A Systematic Review.<br>Asia-Pacific Journal of Ophthalmology, 2022, 11, 126-139.   | 2.5  | 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.   | 21.4 | 250       |
| 39 | Normative data and associations of Optical Coherence Tomography Angiography measurements of the macula: The Singapore Malay Eye Study. Ophthalmology Retina, 2022, , .   | 2.4  | 1         |
| 40 | Different impact of early and late stages irreversible eye diseases on vision-specific quality of life domains. Scientific Reports, 2022, 12, 8465.  | 3.3  | 3         |
| 41 | Genetic loci and prioritization of genes for kidney function decline derived from a meta-analysis of 62<br>longitudinal genome-wide association studies. Kidney International, 2022, 102, 624-639.   | 5.2  | 18        |
| 42 | Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. Communications Biology, 2022, 5, .   | 4.4  | 17        |
| 43 | Bidirectional association between glaucoma and chronic kidney disease: A systematic review and meta-analysis. EClinicalMedicine, 2022, 49, 101498.   | 7.1  | 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.  | 3.9  | 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.   | 22.5 | 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.   | 3.9  | 19        |
| 47 | Detection of features associated with neovascular age-related macular degeneration in ethnically<br>distinct data sets by an optical coherence tomography: trained deep learning algorithm. British<br>Journal of Ophthalmology, 2021, 105, 1133-1139. | 3.9  | 23        |
| 48 | Highlights from the 2019 International Myopia Summit on â€̃controversies in myopia'. British Journal of Ophthalmology, 2021, 105, 1196-1202.   | 3.9  | 11        |
| 49 | The Bidirectional Relationship between Vision and Cognition. Ophthalmology, 2021, 128, 981-992.  | 5.2  | 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.   | 3.9  | 7         |
| 51 | Iris and its relevance to angle closure disease: a review. British Journal of Ophthalmology, 2021, 105,<br>3-8.  | 3.9  | 20        |
| 52 | Response to: Comment on: "Do we have enough ophthalmologists to manage vision-threatening<br>diabetic retinopathy? A global perspective― Eye, 2021, 35, 692-693.   | 2.1  | 0         |
| 53 | Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. British<br>Journal of Ophthalmology, 2021, 105, 420-425.  | 3.9  | 9         |
| 54 | Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. British Journal of Ophthalmology, 2021, 105, 397-402.   | 3.9  | 12        |

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|----|---|------|-----------|
| 55 | Prevalence of retinitis pigmentosa in Singapore: the Singapore Epidemiology of Eye Diseases Study.<br>Acta Ophthalmologica, 2021, 99, e134-e135.  | 1.1  | 6         |
| 56 | The Impact of Strategic White Matter Hyperintensity Lesion Location on Language. American Journal of Geriatric Psychiatry, 2021, 29, 156-165.   | 1.2  | 9         |
| 57 | Association of Antihypertensive Medication with Retinal Nerve Fiber Layer and Ganglion Cell-Inner<br>Plexiform Layer Thickness. Ophthalmology, 2021, 128, 393-400.                            | 5.2  | 25        |
| 58 | The Differential Impact of Age on Vision-Related Quality of Life across the Visual Impairment Spectrum.<br>Ophthalmology, 2021, 128, 354-363.   | 5.2  | 15        |
| 59 | Albuminuria and Primary Open-Angle Glaucoma: the Singapore Chinese Eye Study (SCES). British<br>Journal of Ophthalmology, 2021, 105, 669-673.   | 3.9  | 5         |
| 60 | Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci for Estimating Angle Closure<br>Disease Severity. Ophthalmology, 2021, 128, 403-409.   | 5.2  | 12        |
| 61 | Deep learning in glaucoma with optical coherence tomography: a review. Eye, 2021, 35, 188-201.  | 2.1  | 53        |
| 62 | Patterns and Determinants of Choroidal Thickness in a Multiethnic Asian Population: The Singapore<br>Epidemiology of Eye Diseases Study. Ophthalmology Retina, 2021, 5, 458-467.              | 2.4  | 20        |
| 63 | Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis<br>for the Global Burden of Disease Study. The Lancet Global Health, 2021, 9, e130-e143. | 6.3  | 500       |
| 64 | Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. Kidney<br>International, 2021, 99, 926-939.  | 5.2  | 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.      | 5.2  | 8         |
| 66 | Referral for disease-related visual impairment using retinal photograph-based deep learning: a<br>proof-of-concept, model development study. The Lancet Digital Health, 2021, 3, e29-e40.     | 12.3 | 20        |
| 67 | Vision, vision-specific functioning and mobility, and their relationship with clinically assessed cognitive impairment. Age and Ageing, 2021, 50, 1236-1242.                                  | 1.6  | 3         |
| 68 | Genetic Epidemiology of Quantitative Traits of Primary Open Angle Glaucoma. Essentials in Ophthalmology, 2021, , 121-132.   | 0.1  | 0         |
| 69 | Cohort Profile: The Singapore Epidemiology of Eye Diseases study (SEED). International Journal of<br>Epidemiology, 2021, 50, 41-52.   | 1.9  | 49        |
| 70 | A Clinician'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.                     | 3.3  | 6         |
| 72 | Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. Nature Communications, 2021, 12, 1258.  | 12.8 | 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.  | 3.9  | 1         |
| 74 | Telehealth Demand Trends During the COVID-19 Pandemic in the Top 50 Most Affected Countries:<br>Infodemiological Evaluation. JMIR Public Health and Surveillance, 2021, 7, e24445.   | 2.6  | 73        |
| 75 | White matter network damage mediates association between cerebrovascular disease and cognition.<br>Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2199098.   | 4.3  | 14        |
| 76 | Deep Learning Approach for Automated Detection of Myopic Maculopathy and Pathologic Myopia in<br>Fundus Images. Ophthalmology Retina, 2021, 5, 1235-1244.  | 2.4  | 40        |
| 77 | Retinal microvascular signs and risk of diabetic kidney disease in asian and white populations.<br>Scientific Reports, 2021, 11, 4898.   | 3.3  | 12        |
| 78 | Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. Science Advances, 2021, 7, .   | 10.3 | 36        |
| 79 | Six-Year Incidence and Risk Factors of Primary Claucoma in the Singapore Indian Eye Study.<br>Ophthalmology Glaucoma, 2021, 4, 201-208.  | 1.9  | 3         |
| 80 | Heterogeneous contributions of change in population distribution of body mass index to change in obesity and underweight. ELife, 2021, 10, .   | 6.0  | 41        |
| 81 | COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. Scientific Reports, 2021, 11, 10795.  | 3.3  | 26        |
| 82 | Response to: Revisiting the Problem of Optic Nerve Detection in a Retinal Image Using Automated<br>Machine Learning. Asia-Pacific Journal of Ophthalmology, 2021, 10, 337.   | 2.5  | 0         |
| 83 | Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045. Ophthalmology, 2021, 128, 1580-1591.  | 5.2  | 680       |
| 84 | Retinal photograph-based deep learning algorithms for myopia and a blockchain platform to facilitate<br>artificial intelligence medical research: a retrospective multicohort study. The Lancet Digital Health,<br>2021, 3, e317-e329. | 12.3 | 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.   | 12.3 | 93        |
| 86 | The trans-ancestral genomic architecture of glycemic traits. Nature Genetics, 2021, 53, 840-860.   | 21.4 | 341       |
| 87 | Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. Nature Communications, 2021, 12, 3505.  | 12.8 | 49        |
| 88 | Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. JAMA<br>Ophthalmology, 2021, 139, 601.   | 2.5  | 22        |
| 89 | Emergence of nonâ€Al digital health innovations in ophthalmology: A systematic review. Clinical and Experimental Ophthalmology, 2021, 49, 741-756.   | 2.6  | 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.   | 2.8  | 8         |

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|-----|--|------|-----------|
| 91  | Gender Prediction for a Multiethnic Population via Deep Learning Across Different Retinal Fundus<br>Photograph Fields: Retrospective Cross-sectional Study. JMIR Medical Informatics, 2021, 9, e25165.                                 | 2.6  | 13        |
| 92  | Novel Serum and Urinary Metabolites Associated with Diabetic Retinopathy in Three Asian Cohorts.<br>Metabolites, 2021, 11, 614.  | 2.9  | 9         |
| 93  | APOC3 genetic variation, serum triglycerides, and risk of coronary artery disease in Asian Indians,<br>Europeans, and other ethnic groups. Lipids in Health and Disease, 2021, 20, 113.  | 3.0  | 12        |
| 94  | Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma<br>Penetrance in the UK Biobank. Ophthalmology, 2021, 128, 1300-1311.  | 5.2  | 27        |
| 95  | Deep-Learning–Based Pre-Diagnosis Assessment Module for Retinal Photographs: A Multicenter Study.<br>Translational Vision Science and Technology, 2021, 10, 16.  | 2.2  | 11        |
| 96  | Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to<br>2019: a pooled analysis of 1201 population-representative studies with 104 million participants. Lancet,<br>The, 2021, 398, 957-980. | 13.7 | 1,289     |
| 97  | Association between Body Mass Index and Chronic Kidney Disease in Asian Populations: A<br>Participant-level Meta-Analysis. Maturitas, 2021, 154, 46-54.  | 2.4  | 12        |
| 98  | The Global Extent of Undetected Glaucoma in Adults. Ophthalmology, 2021, 128, 1393-1404.   | 5.2  | 33        |
| 99  | Visual Impairment, Major Eye Diseases, and Mortality in a Multi-Ethnic Asian Population and a<br>Meta-analysis of Prospective Studies. American Journal of Ophthalmology, 2021, 231, 88-100.   | 3.3  | 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.   | 3.9  | 2         |
| 101 | Determinants of lamina cribrosa depth in healthy Asian eyes: the Singapore Epidemiology Eye Study.<br>British Journal of Ophthalmology, 2021, 105, 367-373.  | 3.9  | 7         |
| 102 | Characteristics of myopic traction maculopathy in myopic Singaporean adults. British Journal of Ophthalmology, 2021, 105, 531-537.   | 3.9  | 17        |
| 103 | Association of alcohol intake with incidence and progression of diabetic retinopathy. British Journal of Ophthalmology, 2021, 105, 538-542.  | 3.9  | 7         |
| 104 | The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.   | 27.8 | 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.                                     | 2.8  | 3         |
| 106 | Retinal parameters, cortical microinfarcts and functional cognitive impairment. Alzheimer's and Dementia, 2021, 17, .  | 0.8  | 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.  | 3.9  | 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.   | 2.0  | 4         |

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| 109 | Understanding diagnostic disagreement in angle closure assessment between anterior segment<br>optical coherence tomography and gonioscopy. British Journal of Ophthalmology, 2020, 104, 795-799.   | 3.9  | 30        |
| 110 | Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections.<br>British Journal of Ophthalmology, 2020, 104, 616-622.  | 3.9  | 36        |
| 111 | Systemic medications and cortical cataract: the Singapore Epidemiology of Eye Diseases Study. British<br>Journal of Ophthalmology, 2020, 104, 330-335.   | 3.9  | 3         |
| 112 | Detection of anaemia from retinal images. Nature Biomedical Engineering, 2020, 4, 2-3.   | 22.5 | 5         |
| 113 | The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. Diabetes Research and Clinical Practice, 2020, 159, 107967.  | 2.8  | 30        |
| 114 | The prevalence and clinical associations of disproportionately enlarged subarachnoid space<br>hydrocephalus (DESH), an imaging feature of idiopathic normal pressure hydrocephalus in community<br>and memory clinic based Singaporean cohorts. Journal of the Neurological Sciences, 2020, 408, 116510. | 0.6  | 12        |
| 115 | Development and clinical deployment of a smartphone-based visual field deep learning system for glaucoma detection. Npj Digital Medicine, 2020, 3, 123.  | 10.9 | 32        |
| 116 | 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        |
| 117 | Statistical inference for decision curve analysis, with applications to cataract diagnosis. Statistics in Medicine, 2020, 39, 2980-3002.   | 1.6  | 12        |
| 118 | Keratoconus-susceptibility gene identification by corneal thickness genome-wide association study and artificial intelligence IBM Watson. Communications Biology, 2020, 3, 410.  | 4.4  | 24        |
| 119 | Big Data in Ophthalmology. Asia-Pacific Journal of Ophthalmology, 2020, 9, 291-298.  | 2.5  | 33        |
| 120 | Asianâ€specific vertical cupâ€toâ€disc ratio cutâ€off for glaucoma screening: An evidenceâ€based<br>recommendation from a multiâ€ethnic Asian population. Clinical and Experimental Ophthalmology,<br>2020, 48, 1210-1218.   | 2.6  | 17        |
| 121 | Rates and Determinants of Eyecare Utilization and Eyeglass Affordability Among Individuals With<br>Visual Impairment in a Multi-Ethnic Population-Based Study in Singapore. Translational Vision Science<br>and Technology, 2020, 9, 11.   | 2.2  | 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.  | 1.6  | 23        |
| 123 | Genome-Wide Association for HbA1c in Malay Identified Deletion on SLC4A1 that Influences HbA1c<br>Independent of Glycemia. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3854-3864.   | 3.6  | 9         |
| 124 | Decrease in Choroidal Vascularity Index of Haller's layer in diabetic eyes precedes retinopathy. BMJ<br>Open Diabetes Research and Care, 2020, 8, e001295.   | 2.8  | 28        |
| 125 | Association of Glaucoma Risk Genes with Retinal Nerve Fiber Layer in a Multi-ethnic Asian Population:<br>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.<br>Communications Biology, 2020, 3, 755.  | 4.4  | 10        |

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|-----|---|------|-----------|
| 127 | Normative profiles of neuroretinal rim area in a multiethnic Asian population: the Singapore<br>Epidemiology of Eye Diseases study. British Journal of Ophthalmology, 2020, ,<br>bjophthalmol-2020-317323.  | 3.9  | 2         |
| 128 | Clobal assessment of arteriolar, venular and capillary changes in normal tension glaucoma.<br>Scientific Reports, 2020, 10, 19222.  | 3.3  | 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. | 13.7 | 219       |
| 130 | Association Between Visual Impairment and Decline in Cognitive Function in a Multiethnic Asian<br>Population. JAMA Network Open, 2020, 3, e203560.  | 5.9  | 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.   | 7.9  | 17        |
| 132 | Identification of type 2 diabetes loci in 433,540 East Asian individuals. Nature, 2020, 582, 240-245.   | 27.8 | 282       |
| 133 | Artificial Intelligence for Cataract Detection and Management. Asia-Pacific Journal of Ophthalmology, 2020, 9, 88-95.   | 2.5  | 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.  | 12.3 | 130       |
| 135 | Diagnostic Ability of Individual Macular Layers by Spectral-Domain OCT in Different Stages of<br>Glaucoma. Ophthalmology Glaucoma, 2020, 3, 314-326.  | 1.9  | 21        |
| 136 | Agreement in Measures of Macular Perfusion between Optical Coherence Tomography Angiography<br>Machines. Scientific Reports, 2020, 10, 8345.  | 3.3  | 1         |
| 137 | Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.  | 5.2  | 34        |
| 138 | Logistic regression was as good as machine learning for predicting major chronic diseases. Journal of<br>Clinical Epidemiology, 2020, 122, 56-69.   | 5.0  | 245       |
| 139 | Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. PLoS ONE, 2020, 15, e0229665.  | 2.5  | 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.   | 5.2  | 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.  | 4.4  | 22        |
| 142 | Normative patterns and factors associated with presbyopia progression in a multiethnic Asian<br>population: the Singapore Epidemiology of Eye Diseases Study. British Journal of Ophthalmology, 2020,<br>104, bjophthalmol-2019-315629.                 | 3.9  | 1         |
| 143 | Systemic hypertension associated retinal microvascular changes can be detected with optical coherence tomography angiography. Scientific Reports, 2020, 10, 9580.   | 3.3  | 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.  | 5.9  | 7         |

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|-----|--|------|-----------|
| 145 | Profile of retinal nerve fibre layer symmetry in a multiethnic Asian population: the Singapore<br>Epidemiology of Eye Diseases study. British Journal of Ophthalmology, 2020, 104, 836-841.    | 3.9  | 8         |
| 146 | Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population.<br>Ophthalmology, 2020, 127, 1064-1076.  | 5.2  | 29        |
| 147 | Interethnic differences in neuroimaging markers and cognition in Asians, a population-based study.<br>Scientific Reports, 2020, 10, 2655.  | 3.3  | 5         |
| 148 | MRI Markers of Mixed Pathology and Cognitive Impairment in Multiethnic Asians. Journal of Alzheimer's Disease, 2020, 73, 1501-1509.  | 2.6  | 4         |
| 149 | Is kidney function associated with primary open-angle glaucoma? Findings from the Asian Eye<br>Epidemiology Consortium. British Journal of Ophthalmology, 2020, 104, bjophthalmol-2019-314890. | 3.9  | 13        |
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