

Tien Y Wong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

607
papers

53,341
citations

113
h-index

216
g-index

649
ext. papers

66,786
ext. citations

7.8
avg, IF

7.86
L-index

#	Paper	IF	Citations
607	Efficacy, durability, and safety of intravitreal faricimab up to every 16 weeks for neovascular age-related macular degeneration (TENAYA and LUCERNE): two randomised, double-masked, phase 3, non-inferiority trials.. <i>Lancet, The</i> , 2022 ,	40	15
606	MACULAR SENSITIVITY AND CAPILLARY PERFUSION IN HIGHLY MYOPIC EYES WITH MYOPIC MACULAR DEGENERATION.. <i>Retina</i> , 2022 , 42, 529-539	3.6	0
605	Artificial Intelligence and Deep Learning in Ophthalmology 2022 , 1519-1552		
604	Detecting visually significant cataract using retinal photograph-based deep learning. <i>Nature Aging</i> , 2022 , 2, 264-271		1
603	A polygenic risk score improves risk stratification of coronary artery disease: a large-scale prospective Chinese cohort study.. <i>European Heart Journal</i> , 2022 ,	9.5	3
602	Hypertensive eye disease.. <i>Nature Reviews Disease Primers</i> , 2022 , 8, 14	51.1	1
601	Serum Cholesterol Efflux Capacity in Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. <i>Ophthalmology Science</i> , 2022 , 100142		
600	Relationship of Quantitative Retinal Capillary Network and Myocardial Remodeling in Systemic Hypertension.. <i>Journal of the American Heart Association</i> , 2022 , e024226	6	1
599	The Eye Is a Window to Systemic and Neuro-Ophthalmic Diseases.. <i>Asia-Pacific Journal of Ophthalmology</i> , 2022 , 11, 91-93	3.5	0
598	Eye Injuries and Other Disorders 2022 , 557-595		
597	Concordance between SIVA, IVAN, and VAMPIRE Software Tools for Semi-Automated Analysis of Retinal Vessel Caliber. <i>Diagnostics</i> , 2022 , 12, 1317	3.8	0
596	The Bidirectional Relationship between Vision and Cognition: A Systematic Review and Meta-analysis. <i>Ophthalmology</i> , 2021 , 128, 981-992	7.3	15
595	Characteristics of myopic traction maculopathy in myopic Singaporean adults. <i>British Journal of Ophthalmology</i> , 2021 , 105, 531-537	5.5	7
594	The longitudinal psychological, physical activity, and financial impact of a COVID-19 lockdown on older adults in Singapore: The PIONEER-COVID population-based study. <i>International Journal of Geriatric Psychiatry</i> , 2021 ,	3.9	2
593	Treat-and-Extend Regimens for the Management of Neovascular Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy: Consensus and Recommendations From the Asia-Pacific Vitreo-retina Society. <i>Asia-Pacific Journal of Ophthalmology</i> , 2021 , 10,	3.5	2
592	Artificial Intelligence Using the Eye as a Biomarker of Systemic Risk 2021 , 243-255		1
591	Six-year incidence of age-related macular degeneration and correlation to OCT-derived drusen volume measurements in a Chinese population. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	2

590	Association between digital smart device use and myopia: a systematic review and meta-analysis. <i>The Lancet Digital Health</i> , 2021 , 3, e806-e818	14.4	7
589	Blockchain applications in health care for COVID-19 and beyond: a systematic review. <i>The Lancet Digital Health</i> , 2021 , 3, e819-e829	14.4	13
588	Association of alcohol intake with incidence and progression of diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2021 , 105, 538-542	5.5	2
587	A novel tool to assess the quality of RWE to guide the management of retinal disease. <i>Acta Ophthalmologica</i> , 2021 , 99, 604-610	3.7	0
586	Retinal vascular oxygen saturation in response to a less extensive laser treatment in proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2021 , 99, 783-789	3.7	1
585	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	19	32
584	Impaired retinal microvascular function predicts long-term adverse events in patients with cardiovascular disease. <i>Cardiovascular Research</i> , 2021 , 117, 1949-1957	9.9	11
583	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	5.5	6
582	Detection of features associated with neovascular age-related macular degeneration in ethnically distinct data sets by an optical coherence tomography: trained deep learning algorithm. <i>British Journal of Ophthalmology</i> , 2021 , 105, 1133-1139	5.5	13
581	Highlights from the 2019 International Myopia Summit on Controversies in myopia. <i>British Journal of Ophthalmology</i> , 2021 , 105, 1196-1202	5.5	6
580	New digital models of care in ophthalmology, during and beyond the COVID-19 pandemic. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	8
579	Six-Year Incidence and Risk Factors of Primary Glaucoma in the Singapore Indian Eye Study. <i>Ophthalmology Glaucoma</i> , 2021 , 4, 201-208	2.2	0
578	Retinal arteriolar calibre and venular fractal dimension predict progression of proliferative diabetic retinopathy 6 months after panretinal photocoagulation: a prospective, clinical interventional study. <i>BMJ Open Ophthalmology</i> , 2021 , 6, e000661	3.2	0
577	Retinal microvascular signs in COVID-19. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	11
576	Macular neovascularization in eyes with pachydrusen. <i>Scientific Reports</i> , 2021 , 11, 7495	4.9	0
575	Computer-aided detection and abnormality score for the outer retinal layer in optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	2
574	Retinal Vasculature Fractal and Stroke Mortality. <i>Stroke</i> , 2021 , 52, 1276-1282	6.7	2
573	COVID-19 awareness, knowledge and perception towards digital health in an urban multi-ethnic Asian population. <i>Scientific Reports</i> , 2021 , 11, 10795	4.9	8

572	Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045: Systematic Review and Meta-analysis. <i>Ophthalmology</i> , 2021 , 128, 1580-1591	7.3	78
571	Considerations for Artificial Intelligence Real-World Implementation in Ophthalmology: Providers' and Patients' Perspectives. <i>Asia-Pacific Journal of Ophthalmology</i> , 2021 , 10, 299-306	3.5	2
570	Retinal photograph-based deep learning algorithms for myopia and a blockchain platform to facilitate artificial intelligence medical research: a retrospective multicohort study. <i>The Lancet Digital Health</i> , 2021 , 3, e317-e329	14.4	21
569	Accuracy of a Deep Learning System for Classification of Papilledema Severity on Ocular Fundus Photographs. <i>Neurology</i> , 2021 , 97, e369-e377	6.5	10
568	Deep-learning-based cardiovascular risk stratification using coronary artery calcium scores predicted from retinal photographs. <i>The Lancet Digital Health</i> , 2021 , 3, e306-e316	14.4	20
567	Association of Aberrant Posterior Vitreous Detachment and Pathologic Tractional Forces With Myopic Macular Degeneration 2021 , 62, 7		3
566	Retinal imaging in Alzheimer's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 983-994	9.4	7
565	Gene Set Enrichment Analysis Identifies Pathways Involved in Genetic Risk for Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , 2021 , 233, 111-123	4.9	3
564	Relation between Retinopathy and Progression of Coronary Artery Calcium in Individuals with Versus Without Diabetes Mellitus (From the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2021 , 149, 1-8	3	0
563	Generative adversarial networks in ophthalmology: what are these and how can they be used?. <i>Current Opinion in Ophthalmology</i> , 2021 , 32, 459-467	5.1	3
562	Role of socio-economic factors in visual impairment and progression of diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2021 , 105, 420-425	5.5	4
561	The Differential Impact of Age on Vision-Related Quality of Life across the Visual Impairment Spectrum. <i>Ophthalmology</i> , 2021 , 128, 354-363	7.3	5
560	Nonadherence or Nonpersistence to Intravitreal Injection Therapy for Neovascular Age-Related Macular Degeneration: A Mixed-Methods Systematic Review. <i>Ophthalmology</i> , 2021 , 128, 234-247	7.3	25
559	Polypoidal Choroidal Vasculopathy: Consensus Nomenclature and Non-Indocyanine Green Angiograph Diagnostic Criteria from the Asia-Pacific Ocular Imaging Society PCV Workgroup. <i>Ophthalmology</i> , 2021 , 128, 443-452	7.3	22
558	Albuminuria and Primary Open-Angle Glaucoma: the Singapore Chinese Eye Study (SCES). <i>British Journal of Ophthalmology</i> , 2021 , 105, 669-673	5.5	3
557	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci for Estimating Angle Closure Disease Severity. <i>Ophthalmology</i> , 2021 , 128, 403-409	7.3	7
556	Digital technology, tele-medicine and artificial intelligence in ophthalmology: A global perspective. <i>Progress in Retinal and Eye Research</i> , 2021 , 82, 100900	20.5	63
555	Patterns and Determinants of Choroidal Thickness in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. <i>Ophthalmology Retina</i> , 2021 , 5, 458-467	3.8	10

554	Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: the Right to Sight: an analysis for the Global Burden of Disease Study. <i>The Lancet Global Health</i> , 2021 , 9, e144-e160	13.6	253
553	The Lancet Global Health Commission on Global Eye Health: vision beyond 2020. <i>The Lancet Global Health</i> , 2021 , 9, e489-e551	13.6	131
552	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	14.4	8
551	Artificial Intelligence and Deep Learning in Ophthalmology 2021 , 1-34		5
550	Quantitative OCT angiography of the retinal microvasculature and choriocapillaris in highly myopic eyes with myopic macular degeneration. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	6
549	Ethnic differences in the incidence of pterygium in a multi-ethnic Asian population: the Singapore Epidemiology of Eye Diseases Study. <i>Scientific Reports</i> , 2021 , 11, 501	4.9	0
548	Digital health during COVID-19: lessons from operationalising new models of care in ophthalmology. <i>The Lancet Digital Health</i> , 2021 , 3, e124-e134	14.4	42
547	Morphologic Predictors and Temporal Characteristics of Conversion from Nonexudative to Exudative Age-Related Macular Degeneration in the Fellow Eye. <i>Ophthalmology Retina</i> , 2021 , 5, 126-140 ^{3.8}		3
546	Choriocapillaris microvasculature dysfunction in systemic hypertension. <i>Scientific Reports</i> , 2021 , 11, 4603 ^{4.9}		8
545	Independent and Synergistic Effects of High Blood Pressure and Obesity on Retinal Vasculature in Young Children: The Hong Kong Children Eye Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e018485	6	3
544	Efficacy of a novel personalised aflibercept monotherapy regimen based on polypoidal lesion closure in participants with polypoidal choroidal vasculopathy. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	5
543	Deep Learning Approach for Automated Detection of Myopic Maculopathy and Pathologic Myopia in Fundus Images. <i>Ophthalmology Retina</i> , 2021 , 5, 1235-1244	3.8	6
542	Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology Consortium (AEEC) study. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	2
541	Patterns and Characteristics of a Clinical Implementation of a Self-Monitoring Program for Retina Diseases during the COVID-19 Pandemic. <i>Ophthalmology Retina</i> , 2021 , 5, 1245-1253	3.8	2
540	Applications of digital health for public health responses to COVID-19: a systematic scoping review of artificial intelligence, telehealth and related technologies. <i>Npj Digital Medicine</i> , 2021 , 4, 40	15.7	53
539	Retinal microvascular signs and risk of diabetic kidney disease in asian and white populations. <i>Scientific Reports</i> , 2021 , 11, 4898	4.9	0
538	Multicentre, randomised clinical trial comparing intravitreal aflibercept monotherapy versus aflibercept combined with reduced-fluence photodynamic therapy (RF-PDT) for the treatment of polypoidal choroidal vasculopathy. <i>BMJ Open</i> , 2021 , 11, e050252	3	0
537	Gender Prediction for a Multiethnic Population via Deep Learning Across Different Retinal Fundus Photograph Fields: Retrospective Cross-sectional Study. <i>JMIR Medical Informatics</i> , 2021 , 9, e25165	3.6	3

536	Baseline extended zone retinal vascular calibres associate with sensory nerve abnormalities in adolescents with type 1 diabetes: A prospective longitudinal study. <i>Diabetic Medicine</i> , 2021 , 38, e14662	3.5	
535	Deep-Learning-Based Pre-Diagnosis Assessment Module for Retinal Photographs: A Multicenter Study. <i>Translational Vision Science and Technology</i> , 2021 , 10, 16	3.3	1
534	Retinal microvasculature and time to pregnancy in a multi-ethnic pre-conception cohort in Singapore. <i>Human Reproduction</i> , 2021 , 36, 2935-2947	5.7	0
533	Clinical operational considerations and responses to lockdown and reopening in the Covid-19 pandemic: experience of a tertiary ophthalmology centre in Singapore. <i>Eye</i> , 2021 ,	4.4	2
532	Non-ICGA treatment criteria for Suboptimal Anti-VEGF Response for Polypoidal Choroidal Vasculopathy: APOIS PCV Workgroup Report 2. <i>Ophthalmology Retina</i> , 2021 , 5, 945-953	3.8	4
531	The Global Extent of Undetected Glaucoma in Adults: A Systematic Review and Meta-analysis. <i>Ophthalmology</i> , 2021 , 128, 1393-1404	7.3	5
530	Visual Impairment, Major Eye Diseases, and Mortality in a Multi-Ethnic Asian Population and a Meta-analysis of Prospective Studies. <i>American Journal of Ophthalmology</i> , 2021 , 231, 88-100	4.9	0
529	The association between markers of inflammation and retinal microvascular parameters: A systematic review and meta-analysis. <i>Atherosclerosis</i> , 2021 , 336, 12-22	3.1	0
528	Six-year incidence and systemic associations of retinopathy in a multi-ethnic Asian population without diabetes. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
527	Will the Myopia Epidemic Lead to a Retinal Detachment Epidemic in the Future?. <i>JAMA Ophthalmology</i> , 2021 , 139, 93-94	3.9	2
526	Association of Retinal Microvascular Signs with Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis. <i>Ophthalmology Retina</i> , 2021 , 5, 78-85	3.8	
525	Are macular drusen in midlife a marker of accelerated biological ageing?. <i>Australasian journal of optometry, The</i> , 2021 , 1-6	2.7	1
524	Gene-Based Therapeutics for Acquired Retinal Disease: Opportunities and Progress.. <i>Frontiers in Genetics</i> , 2021 , 12, 795010	4.5	1
523	Multimodal Imaging-Based Phenotyping of a Singaporean Hospital-Based Cohort of High Myopia Patients.. <i>Frontiers in Medicine</i> , 2021 , 8, 670229	4.9	1
522	Mendelian randomization analysis does not support causal associations of birth weight with hypertension risk and blood pressure in adulthood. <i>European Journal of Epidemiology</i> , 2020 , 35, 685-697	12.1	2
521	Design, implementation, and evaluation of a nurse-led intravitreal injection programme for retinal diseases in Singapore. <i>Eye</i> , 2020 , 34, 2123-2130	4.4	2
520	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	14.4	41
519	Artificial intelligence for teleophthalmology-based diabetic retinopathy screening in a national programme: an economic analysis modelling study. <i>The Lancet Digital Health</i> , 2020 , 2, e240-e249	14.4	65

518	Prevalence and Pattern of Geographic Atrophy in Asia: The Asian Eye Epidemiology Consortium. <i>Ophthalmology</i> , 2020 , 127, 1371-1381	7.3	13
517	Retinal neurovascular changes in chronic kidney disease. <i>Acta Ophthalmologica</i> , 2020 , 98, e848-e855	3.7	6
516	Logistic regression was as good as machine learning for predicting major chronic diseases. <i>Journal of Clinical Epidemiology</i> , 2020 , 122, 56-69	5.7	66
515	Hypertension, blood pressure control and diabetic retinopathy in a large population-based study. <i>PLoS ONE</i> , 2020 , 15, e0229665	3.7	21
514	Using Uniocular Visual Acuity Substantially Underestimates the Impact of Visual Impairment on Quality of Life Compared with Binocular Visual Acuity. <i>Ophthalmology</i> , 2020 , 127, 1145-1151	7.3	10
513	Inflammation mediates the relationship between obesity and retinal vascular calibre in 11-12 year-olds children and mid-life adults. <i>Scientific Reports</i> , 2020 , 10, 5006	4.9	3
512	Digital technology and COVID-19. <i>Nature Medicine</i> , 2020 , 26, 459-461	50.5	617
511	CURRENT CONCEPTS AND MODALITIES FOR MONITORING THE FELLOW EYE IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION: An Expert Panel Consensus. <i>Retina</i> , 2020 , 40, 599-611	3.6	9
510	Systemic hypertension associated retinal microvascular changes can be detected with optical coherence tomography angiography. <i>Scientific Reports</i> , 2020 , 10, 9580	4.9	12
509	Optic Disc Classification by Deep Learning versus Expert Neuro-Ophthalmologists. <i>Annals of Neurology</i> , 2020 , 88, 785-795	9.4	21
508	Profiles of Ganglion Cell-Inner Plexiform Layer Thickness in a Multi-Ethnic Asian Population: The Singapore Epidemiology of Eye Diseases Study. <i>Ophthalmology</i> , 2020 , 127, 1064-1076	7.3	12
507	Is kidney function associated with primary open-angle glaucoma? Findings from the Asian Eye Epidemiology Consortium. <i>British Journal of Ophthalmology</i> , 2020 , 104, 1298-1303	5.5	6
506	Quantitative Microvascular Analysis With Wide-Field Optical Coherence Tomography Angiography in Eyes With Diabetic Retinopathy. <i>JAMA Network Open</i> , 2020 , 3, e1919469	10.4	27
505	A serum metabolomics study of patients with nAMD in response to anti-VEGF therapy. <i>Scientific Reports</i> , 2020 , 10, 1341	4.9	1
504	Technical and imaging factors influencing performance of deep learning systems for diabetic retinopathy. <i>Npj Digital Medicine</i> , 2020 , 3, 40	15.7	15
503	Review: Myopia control strategies recommendations from the 2018 WHO/IAPB/BHVI Meeting on Myopia. <i>British Journal of Ophthalmology</i> , 2020 , 104, 1482-1487	5.5	19
502	Rationale and Methodology of The PopulatIOn HEalth and Eye Disease PRofile in Elderly Singaporeans Study [PIONEER] 2020 , 11, 1444-1458		3
501	Deep Learning for Automated Sorting of Retinal Photographs. <i>Ophthalmology Retina</i> , 2020 , 4, 793-800	3.8	7

500	Evolving Practice Patterns in Singapore's Public Sector Ophthalmology Centers During the COVID-19 Pandemic. <i>Asia-Pacific Journal of Ophthalmology</i> , 2020 , 9, 285-290	3.5	11
499	Cost-effectiveness of Intravitreal Ranibizumab With Verteporfin Photodynamic Therapy Compared With Ranibizumab Monotherapy for Patients With Polypoidal Choroidal Vasculopathy. <i>JAMA Ophthalmology</i> , 2020 , 138, 251-259	3.9	5
498	Detection of anaemia from retinal images. <i>Nature Biomedical Engineering</i> , 2020 , 4, 2-3	19	2
497	Cardiovascular health and retinal microvascular geometry in Australian 11-12-year-olds. <i>Microvascular Research</i> , 2020 , 129, 103966	3.7	3
496	Artificial intelligence, the internet of things, and virtual clinics: ophthalmology at the digital translation forefront. <i>The Lancet Digital Health</i> , 2020 , 2, e8-e9	14.4	27
495	The associations of objectively measured sleep duration and sleep disturbances with diabetic retinopathy. <i>Diabetes Research and Clinical Practice</i> , 2020 , 159, 107967	7.4	18
494	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. <i>Journal of the Neurological Sciences</i> , 2020 , 408, 116510	3.2	5
493	Real-World Treatment Outcomes of Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy in Asians. <i>Ophthalmology Retina</i> , 2020 , 4, 403-414	3.8	12
492	DIABETIC MACULAR ISCHEMIA: Correlation of Retinal Vasculature Changes by Optical Coherence Tomography Angiography and Functional Deficit. <i>Retina</i> , 2020 , 40, 2184-2190	3.6	16
491	Prediction of systemic biomarkers from retinal photographs: development and validation of deep-learning algorithms. <i>The Lancet Digital Health</i> , 2020 , 2, e526-e536	14.4	24
490	Extended-Zone Retinal Vascular Caliber and Risk of Diabetic Retinopathy in Adolescents with Type 1 Diabetes. <i>Ophthalmology Retina</i> , 2020 , 4, 1151-1157	3.8	1
489	Statistical inference for decision curve analysis, with applications to cataract diagnosis. <i>Statistics in Medicine</i> , 2020 , 39, 2980-3002	2.3	5
488	Machine learning to determine relative contribution of modifiable and non-modifiable risk factors of major eye diseases. <i>British Journal of Ophthalmology</i> , 2020 ,	5.5	1
487	Detrimental Effect of Delayed Re-treatment of Active Disease on Outcomes in Neovascular Age-Related Macular Degeneration: The RAMPS Study. <i>Ophthalmology Retina</i> , 2020 , 4, 871-880	3.8	9
486	Retinal microvasculature dysfunction is associated with Alzheimer's disease and mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 161	9	23
485	Artificial intelligence for diabetic retinopathy screening, prediction and management. <i>Current Opinion in Ophthalmology</i> , 2020 , 31, 357-365	5.1	28
484	SARS-CoV-2 infection in conjunctival tissue. <i>Lancet Respiratory Medicine</i> , 2020 , 8, e57	35.1	4
483	Comparison of Ranibizumab With or Without Verteporfin Photodynamic Therapy for Polypoidal Choroidal Vasculopathy: The EVEREST II Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2020 , 138, 935-942	3.9	38

482	Associations between cannabis use and retinal vessel diameter in young adults. <i>Schizophrenia Research</i> , 2020 , 219, 62-68	3.6	4
481	Prevalence and causes of vision loss in East Asia in 2015: magnitude, temporal trends and projections. <i>British Journal of Ophthalmology</i> , 2020 , 104, 616-622	5.5	13
480	Efficacy and Side Effects of Individualized Panretinal Photocoagulation. <i>Ophthalmology Retina</i> , 2020 , 4, 642-644	3.8	3
479	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	5.5	13
478	Artificial Intelligence to Detect Papilledema from Ocular Fundus Photographs. <i>New England Journal of Medicine</i> , 2020 , 382, 1687-1695	59.2	91
477	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. <i>JAMA Ophthalmology</i> , 2019 , 137, 1353-1360	3.9	97
476	The Informant AD8 Can Discriminate Patients with Dementia From Healthy Control Participants in an Asian Older Cohort. <i>Journal of the American Medical Directors Association</i> , 2019 , 20, 775-779	5.9	2
475	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019 , 188, 1033-1054	3.8	39
474	Relationship Between Sleep and Symptoms of Tear Dysfunction in Singapore Malays and Indians 2019 , 60, 1889-1897		9
473	Artificial intelligence using deep learning to screen for referable and vision-threatening diabetic retinopathy in Africa: a clinical validation study. <i>The Lancet Digital Health</i> , 2019 , 1, e35-e44	14.4	99
472	Is Myopia Associated with the Incidence and Progression of Diabetic Retinopathy?. <i>American Journal of Ophthalmology</i> , 2019 , 208, 226-233	4.9	7
471	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	4.9	15
470	Associations of retinal microvascular caliber with intermediate phenotypes of large arterial function and structure: A systematic review and meta-analysis. <i>Microcirculation</i> , 2019 , 26, e12557	2.9	6
469	Comorbidity of dementia and age-related macular degeneration calls for clinical awareness: a meta-analysis. <i>British Journal of Ophthalmology</i> , 2019 , 103, 1777-1783	5.5	19
468	Glaucoma in myopia: diagnostic dilemmas. <i>British Journal of Ophthalmology</i> , 2019 , 103, 1347-1355	5.5	37
467	Deep learning in ophthalmology: The technical and clinical considerations. <i>Progress in Retinal and Eye Research</i> , 2019 , 72, 100759	20.5	163
466	Impact of systemic vascular risk factors on the choriocapillaris using optical coherence tomography angiography in patients with systemic hypertension. <i>Scientific Reports</i> , 2019 , 9, 5819	4.9	33
465	CHARACTERIZATION OF THE CHOROIDAL VASCULATURE IN MYOPIC MACULOPATHY WITH OPTICAL COHERENCE TOMOGRAPHIC ANGIOGRAPHY. <i>Retina</i> , 2019 , 39, 1742-1750	3.6	17

464	IMPROVED DETECTION AND DIAGNOSIS OF POLYPOIDAL CHOROIDAL VASCULOPATHY USING A COMBINATION OF OPTICAL COHERENCE TOMOGRAPHY AND OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2019 , 39, 1655-1663	3.6	25
463	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy: Two-Year Results of the Aflibercept in Polypoidal Choroidal Vasculopathy Study. <i>American Journal of Ophthalmology</i> , 2019 , 204, 80-89	4.9	47
462	Microvascular narrowing and BP monitoring: A single centre observational study. <i>PLoS ONE</i> , 2019 , 14, e0210625	3.7	2
461	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. <i>Npj Digital Medicine</i> , 2019 , 2, 24	15.7	32
460	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	5.6	14
459	Vision Impairment in CKD Patients: Epidemiology, Mechanisms, Differential Diagnoses, and Prevention. <i>American Journal of Kidney Diseases</i> , 2019 , 73, 846-857	7.4	15
458	The use of real-world evidence for evaluating anti-vascular endothelial growth factor treatment of neovascular age-related macular degeneration. <i>Survey of Ophthalmology</i> , 2019 , 64, 707-719	6.1	18
457	Peripheral capillary non-perfusion in treatment-naïve proliferative diabetic retinopathy associates with postoperative disease activity 6 months after panretinal photocoagulation. <i>British Journal of Ophthalmology</i> , 2019 , 103, 816-820	5.5	8
456	Incidence and progression of diabetic retinopathy: a systematic review. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 140-149	18.1	150
455	Global Assessment of Retinal Arteriolar, Venular and Capillary Microcirculations Using Fundus Photographs and Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>Scientific Reports</i> , 2019 , 9, 11751	4.9	12
454	Predictive Genes for the Prognosis of Central Serous Chorioretinopathy. <i>Ophthalmology Retina</i> , 2019 , 3, 985-992	3.8	8
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