

Tommy C Y Chan

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

105
papers

1,647
citations

25
h-index

34
g-index

107
ext. papers

2,031
ext. citations

4
avg, IF

5.18
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 105 | Combined accelerated collagen crosslinking and sub-Bowman's keratomileusis in high myopic eyes: a comparison between total ultraviolet energy dose.. <i>Seminars in Ophthalmology</i> , 2022 , 1-6 | 2.4 | |
| 104 | Comparison of two novel swept-source optical coherence tomography devices to a partial coherence interferometry-based biometer. <i>Scientific Reports</i> , 2021 , 11, 14853 | 4.9 | 2 |
| 103 | The Effect of Intraoperative Angle Kappa Adjustment on Higher-Order Aberrations Before and After Small Incision Lenticule Extraction. <i>Cornea</i> , 2020 , 39, 609-614 | 3.1 | 5 |
| 102 | Changes in Corneal Volume at Different Areas and Its Correlation with Corneal Biomechanics after SMILE and FS-LASIK Surgery. <i>Journal of Ophthalmology</i> , 2020 , 2020, 1713979 | 2 | 3 |
| 101 | Five-Year Changes in Corneal Astigmatism After Combined Femtosecond-Assisted Phacoemulsification and Arcuate Keratotomy. <i>American Journal of Ophthalmology</i> , 2020 , 217, 232-239 | 4.9 | 3 |
| 100 | Repeatability and Agreement of a Swept-Source Optical Coherence Tomography-Based Biometer IOLMaster 700 Versus a Scheimpflug Imaging-Based Biometer AL-Scan in Cataract Patients. <i>Eye and Contact Lens</i> , 2020 , 46, 35-45 | 3.2 | 10 |
| 99 | The Tenon's Layer Reposition Approach of Trabeculectomy: A Longitudinal Case Series of a Mixed Group of Glaucoma Patients. <i>Journal of Glaucoma</i> , 2020 , 29, 386-392 | 2.1 | 1 |
| 98 | Fluctuation in straylight measurements during the visual recovery phase after small incision lenticule extraction. <i>Eye</i> , 2020 , 34, 366-373 | 4.4 | 0 |
| 97 | Transient corneal ectasia after phacoemulsification in an eye with femtosecond intrastromal presbyopic treatment. <i>Journal of Cataract and Refractive Surgery</i> , 2020 , 46, 143-146 | 2.3 | |
| 96 | A sclerocornea-associated RAD21 variant induces corneal stroma disorganization. <i>Experimental Eye Research</i> , 2019 , 185, 107687 | 3.7 | 1 |
| 95 | Accuracy and Precision of Intraocular Lens Calculations Using the New Hill-RBF Version 2.0 in Eyes With High Axial Myopia. <i>American Journal of Ophthalmology</i> , 2019 , 205, 66-73 | 4.9 | 25 |
| 94 | A Systematic Review of Potential Therapeutic Use of Lycium Barbarum Polysaccharides in Disease. <i>BioMed Research International</i> , 2019 , 2019, 4615745 | 3 | 28 |
| 93 | Impact of ocular residual astigmatism on predictability of myopic astigmatism correction after small-incision lenticule extraction. <i>Journal of Cataract and Refractive Surgery</i> , 2019 , 45, 525-526 | 2.3 | 2 |
| 92 | Re: Hwang et al.: Distinguishing highly asymmetric keratoconus eyes using combined Scheimpflug and spectral-domain OCT analysis (<i>Ophthalmology</i> . 2018;125:1862-1871). <i>Ophthalmology</i> , 2019 , 126, e26 | 7.3 | 1 |
| 91 | Update on the association between dry eye disease and meibomian gland dysfunction. <i>Hong Kong Medical Journal</i> , 2019 , 25, 38-47 | 0.7 | 22 |
| 90 | Role of tear film biomarkers in the diagnosis and management of dry eye disease. <i>Taiwan Journal of Ophthalmology</i> , 2019 , 9, 150-159 | 1.4 | 12 |
| 89 | Keratoconus Genes in Chinese. <i>Essentials in Ophthalmology</i> , 2019 , 435-447 | 0.2 | 1 |

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| 88 | Astigmatism Correction Using SMILE. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019 , 8, 391-396 | 3.5 | 10 |
| 87 | Experimental modeling of cornea wound healing in diabetes: clinical applications and beyond. <i>BMJ Open Diabetes Research and Care</i> , 2019 , 7, e000779 | 4.5 | 16 |
| 86 | A Cohesin Subunit Variant Identified from a Peripheral Sclerocornea Pedigree. <i>Disease Markers</i> , 2019 , 2019, 8781524 | 3.2 | 2 |
| 85 | Dry Eyes After SMILE. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019 , 8, 397-405 | 3.5 | 14 |
| 84 | Effect of corneal curvature on optical zone decentration and its impact on astigmatism and higher-order aberrations in SMILE and LASIK. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2019 , 257, 233-240 | 3.8 | 17 |
| 83 | Outcomes of presbyopia-correcting intraocular lenses after laser in situ keratomileusis. <i>International Ophthalmology</i> , 2019 , 39, 1199-1204 | 2.2 | 9 |
| 82 | Longitudinal evaluation of posterior corneal changes after laser in situ keratomileusis in high myopia: a swept-source optical coherence tomography study. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 824-826 | 2.4 | 1 |
| 81 | Clinical features of demyelinating optic neuritis with seropositive myelin oligodendrocyte glycoprotein antibody in Chinese patients. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1372-1377 | 5.5 | 51 |
| 80 | Applications of corneal topography and tomography: a review. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 133-146 | 2.4 | 41 |
| 79 | Refractive regression after laser in situ keratomileusis. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 934-944 | 2.4 | 15 |
| 78 | Comparison of corneal dynamic parameters and tomographic measurements using Scheimpflug imaging in keratoconus. <i>British Journal of Ophthalmology</i> , 2018 , 102, 42-47 | 5.5 | 41 |
| 77 | Advances in dry eye imaging: the present and beyond. <i>British Journal of Ophthalmology</i> , 2018 , 102, 295-304 | 3.5 | 17 |
| 76 | Early epithelial complications of accelerated trans-epithelial corneal crosslinking in treatment of keratoconus: a case series. <i>International Ophthalmology</i> , 2018 , 38, 2635-2638 | 2.2 | 9 |
| 75 | Analysis of multiple genetic loci reveals rs1324183 as a putative genetic marker for keratoconus. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1736-1741 | 5.5 | 10 |
| 74 | Possible Risk Factors and Clinical Outcomes of Black Areas in Small-Incision Lenticule Extraction. <i>Cornea</i> , 2018 , 37, 1035-1041 | 3.1 | 2 |
| 73 | Vector analysis of high (8 diopters) astigmatism correction using small-incision lenticule extraction and laser in situ keratomileusis. <i>Journal of Cataract and Refractive Surgery</i> , 2018 , 44, 802-810 | 2.3 | 13 |
| 72 | White Ring Sign and Sequential Segmental Terminal Lenticular Side Cut Dissection for Uneventful and Complete Lenticular Extraction in SMILE. <i>Journal of Refractive Surgery</i> , 2018 , 34, 140-141 | 3.3 | 6 |
| 71 | Comparison of Corneal Tomography and a New Combined Tomographic Biomechanical Index in Subclinical Keratoconus. <i>Journal of Refractive Surgery</i> , 2018 , 34, 616-621 | 3.3 | 32 |

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| 70 | Comparing a new hydroexpression technique with conventional forceps method for SMILE lenticule removal. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1122-1126 | 5.5 | 9 |
| 69 | Corneal backward scattering and higher-order aberrations in children with vernal keratoconjunctivitis and normal topography. <i>Acta Ophthalmologica</i> , 2018 , 96, e327-e333 | 3.7 | 11 |
| 68 | Adjuvant collagen crosslinking for treatment of epithelial ingrowth after small-incision lenticule extraction. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 554-556 | 2.4 | 4 |
| 67 | Comparative evaluation of progression rate in keratoconus before and after collagen crosslinking. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1109-1113 | 5.5 | 18 |
| 66 | Survival Analysis of Corneal Densitometry After Collagen Cross-Linking for Progressive Keratoconus. <i>Cornea</i> , 2018 , 37, 1449-1456 | 3.1 | 5 |
| 65 | Induction of Apoptosis in Pterygium Cells by Antagonists of Growth Hormone-Releasing Hormone Receptors 2018 , 59, 5060-5066 | | 6 |
| 64 | Visual outcomes after cataract surgery in adults with presumed amblyopia and anisomyopia. <i>Acta Ophthalmologica</i> , 2017 , 95, e515-e516 | 3.7 | 3 |
| 63 | Concomitant Simple Limbal Epithelial Transplantation After Surgical Excision of Ocular Surface Squamous Neoplasia. <i>American Journal of Ophthalmology</i> , 2017 , 177, 233-234 | 4.9 | |
| 62 | Comparison of Tear Osmolarity in Rheumatoid Arthritis Patients With and Without Secondary Sjogren Syndrome. <i>Cornea</i> , 2017 , 36, 805-809 | 3.1 | 7 |
| 61 | Comparison of corneal biomechanics after microincision lenticule extraction and small incision lenticule extraction. <i>British Journal of Ophthalmology</i> , 2017 , 101, 650-654 | 5.5 | 6 |
| 60 | Combined application of prophylactic corneal cross-linking and laser in-situ keratomileusis - a review of literature. <i>Acta Ophthalmologica</i> , 2017 , 95, 660-664 | 3.7 | 10 |
| 59 | Simple steep-axis marking technique using a corneal analyzer. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 153-155 | 2.3 | 3 |
| 58 | Lacrimal gland abscess in children: Two case reports and literature review. <i>Orbit</i> , 2017 , 36, 468-472 | 1.5 | 2 |
| 57 | Shift in progression rate of keratoconus before and after epithelium-off accelerated corneal collagen crosslinking. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 929-936 | 2.3 | 5 |
| 56 | Prevalence of Ocular Manifestations and Visual Outcomes in Patients With Herpes Zoster Ophthalmicus. <i>Cornea</i> , 2017 , 36, 338-342 | 3.1 | 25 |
| 55 | Comparison of the Demarcation Line on ASOCT After Simultaneous LASIK and Different Protocols of Accelerated Collagen Crosslinking: A Bilateral Eye Randomized Study. <i>Cornea</i> , 2017 , 36, 74-77 | 3.1 | 10 |
| 54 | Survival analysis of visual improvement after cataract surgery in advanced retinitis pigmentosa. <i>Eye</i> , 2017 , 31, 1747-1748 | 4.4 | 5 |
| 53 | Effect of the Learning Curve on Visual and Refractive Outcomes of Small-Incision Lenticule Extraction. <i>Cornea</i> , 2017 , 36, 1044-1050 | 3.1 | 12 |

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| 52 | Genetic associations for keratoconus: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2017 , 7, 4620 | 4.9 | 40 |
| 51 | Influence of Refractive Status on the Higher-Order Aberration Pattern After Small Incision Lenticule Extraction Surgery. <i>Cornea</i> , 2017 , 36, 967-972 | 3.1 | 6 |
| 50 | Comparison of corneal measurements in keratoconus using swept-source optical coherence tomography and combined Placido-Scheimpflug imaging. <i>Acta Ophthalmologica</i> , 2017 , 95, e486-e494 | 3.7 | 25 |
| 49 | Use of anti-vascular endothelial growth factor in the management of pterygium. <i>Acta Ophthalmologica</i> , 2017 , 95, 20-27 | 3.7 | 16 |
| 48 | Determining total corneal power after small-incision lenticule extraction in myopic eyes. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 1450-1457 | 2.3 | 6 |
| 47 | Preoperative optimization of ocular surface disease before cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 1596-1607 | 2.3 | 25 |
| 46 | Collagen Cross-linking With Photoactivated Riboflavin (PACK-CXL) for Bacterial Keratitis After Small Incision Lenticule Extraction (SMILE). <i>Journal of Refractive Surgery</i> , 2017 , 33, 278-280 | 3.3 | 15 |
| 45 | Presbyopic Correction Using Monocular Bi-aspheric Ablation Profile (PresbyMAX) in Hyperopic Eyes: 1-Year Outcomes. <i>Journal of Refractive Surgery</i> , 2017 , 33, 37-43 | 3.3 | 13 |
| 44 | Conventional Versus Inverted Side-cut Flaps for Femtosecond Laser-Assisted LASIK: Laboratory and Clinical Evaluation. <i>Journal of Refractive Surgery</i> , 2017 , 33, 96-103 | 3.3 | 6 |
| 43 | Comparison of Corneal Dynamic and Tomographic Analysis in Normal, Forme Fruste Keratoconic, and Keratoconic Eyes. <i>Journal of Refractive Surgery</i> , 2017 , 33, 632-638 | 3.3 | 25 |
| 42 | Secondary Lenticule Remnant Removal After SMILE. <i>Journal of Refractive Surgery</i> , 2017 , 33, 779-782 | 3.3 | 6 |
| 41 | Epidemiology of Open-Globe Injuries in Hong Kong. <i>Asia-Pacific Journal of Ophthalmology</i> , 2017 , 6, 54-58 | 3.5 | 16 |
| 40 | Longitudinal comparison of femtosecond-assisted sub-Bowman keratomileusis versus photorefractive keratectomy for high myopia. <i>British Journal of Ophthalmology</i> , 2017 , 101, 275-282 | 5.5 | 1 |
| 39 | A contact lens causing blood-stained tears. <i>BMJ Case Reports</i> , 2016 , 2016, | 0.9 | |
| 38 | Early outcomes after small incision lenticule extraction and photorefractive keratectomy for correction of high myopia. <i>Scientific Reports</i> , 2016 , 6, 32820 | 4.9 | 9 |
| 37 | Effect of location of opening incision on astigmatic correction after small-incision lenticule extraction. <i>Scientific Reports</i> , 2016 , 6, 35881 | 4.9 | 8 |
| 36 | Epithelium-on corneal collagen crosslinking for management of advanced keratoconus. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 738-49 | 2.3 | 14 |
| 35 | Outcomes of cataract operations in extreme high axial myopia. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 1811-7 | 3.8 | 14 |

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| 34 | Use of Atropine for Prevention of Childhood Myopia Progression in Clinical Practice. <i>Eye and Contact Lens</i> , 2016 , 42, 16-23 | 3.2 | 23 |
| 33 | Evaluation of point-of-care test for elevated tear matrix metalloproteinase 9 in post-LASIK dry eyes. <i>British Journal of Ophthalmology</i> , 2016 , 100, 1188-91 | 5.5 | 19 |
| 32 | Vector analysis of astigmatic correction after small-incision lenticule extraction and femtosecond-assisted LASIK for low to moderate myopic astigmatism. <i>British Journal of Ophthalmology</i> , 2016 , 100, 553-9 | 5.5 | 63 |
| 31 | Short-term Variance of Refractive Outcomes After Simultaneous LASIK and High-Fluence Cross-linking in High Myopic Correction. <i>Journal of Refractive Surgery</i> , 2016 , 32, 664-670 | 3.3 | 9 |
| 30 | Comparison of the Early Clinical Outcomes between Combined Small-Incision Lenticule Extraction and Collagen Cross-Linking versus SMILE for Myopia. <i>Journal of Ophthalmology</i> , 2016 , 2016, 2672980 | 2 | 18 |
| 29 | Cross-linking for microbial keratitis. <i>Current Opinion in Ophthalmology</i> , 2016 , 27, 348-52 | 5.1 | 15 |
| 28 | Reply. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 1106-7 | 2.3 | |
| 27 | Survival of Primary Penetrating Keratoplasty in Children. <i>American Journal of Ophthalmology</i> , 2016 , 171, 95-100 | 4.9 | 33 |
| 26 | Corneal Astigmatism and Aberrations After Combined Femtosecond-Assisted Phacoemulsification and Arcuate Keratotomy: Two-Year Results. <i>American Journal of Ophthalmology</i> , 2016 , 170, 83-90 | 4.9 | 31 |
| 25 | Conventional versus accelerated corneal collagen cross-linking in the treatment of keratoconus. <i>Clinical and Experimental Ophthalmology</i> , 2016 , 44, 8-14 | 2.4 | 68 |
| 24 | Longitudinal evaluation of posterior corneal elevation after laser refractive surgery using swept-source optical coherence tomography. <i>Ophthalmology</i> , 2015 , 122, 687-92 | 7.3 | 31 |
| 23 | Intraocular lens explantation in Chinese patients: different patterns and different responses. <i>International Ophthalmology</i> , 2015 , 35, 679-84 | 2.2 | 11 |
| 22 | Reply: To PMID 25448990. <i>American Journal of Ophthalmology</i> , 2015 , 160, 201-2 | 4.9 | |
| 21 | Images in clinical medicine. Amiodarone-induced vortex keratopathy. <i>New England Journal of Medicine</i> , 2015 , 372, 1656 | 59.2 | 6 |
| 20 | Hybrid procedure for orbital venous malformation in the endovascular operation room. <i>Eye</i> , 2015 , 29, 1069-75 | 4.4 | 6 |
| 19 | One-year outcomes of conventional and accelerated collagen crosslinking in progressive keratoconus. <i>Scientific Reports</i> , 2015 , 5, 14425 | 4.9 | 65 |
| 18 | Change in Tear Film Lipid Layer Thickness, Corneal Thickness, Volume and Topography after Superficial Cauterization for Conjunctivochalasis. <i>Scientific Reports</i> , 2015 , 5, 12239 | 4.9 | 10 |
| 17 | Different Topographic Response Between Mild to Moderate and Advanced Keratoconus After Accelerated Collagen Cross-linking. <i>Cornea</i> , 2015 , 34, 922-7 | 3.1 | 36 |

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| 16 | Longitudinal Evaluation of Cornea With Swept-Source Optical Coherence Tomography and Scheimpflug Imaging Before and After Lasik. <i>Medicine (United States)</i> , 2015 , 94, e1219 | 1.8 | 20 |
| 15 | Corneal collagen cross-linking for infectious keratitis: an update of clinical studies. <i>Acta Ophthalmologica</i> , 2015 , 93, 689-96 | 3.7 | 25 |
| 14 | Corneal Collagen Cross-linking: A Review of Clinical Applications. <i>Asia-Pacific Journal of Ophthalmology</i> , 2015 , 4, 300-6 | 3.5 | 8 |
| 13 | Comparison of the Central and Peripheral Corneal Stromal Demarcation Line Depth in Conventional Versus Accelerated Collagen Cross-Linking. <i>Cornea</i> , 2015 , 34, 1432-6 | 3.1 | 25 |
| 12 | Twelve-Year Outcomes of Pterygium Excision with Conjunctival Autograft versus Intraoperative Mitomycin C in Double-Head Pterygium Surgery. <i>Journal of Ophthalmology</i> , 2015 , 2015, 891582 | 2 | 13 |
| 11 | Adenoviral keratoconjunctivitis. <i>Survey of Ophthalmology</i> , 2015 , 60, 435-43 | 6.1 | 86 |
| 10 | Vector Analysis of Corneal Astigmatism After Combined Femtosecond-Assisted Phacoemulsification and Arcuate Keratotomy. <i>American Journal of Ophthalmology</i> , 2015 , 160, 250-255.e2 | 4.9 | 46 |
| 9 | Comparison of outcomes of primary anterior chamber versus secondary scleral-fixated intraocular lens implantation in complicated cataract surgeries. <i>American Journal of Ophthalmology</i> , 2015 , 159, 221-8.e2 | 4.9 | 57 |
| 8 | Longitudinal comparison of outcomes after sub-Bowman keratomileusis and laser in situ keratomileusis: randomized, double-masked study. <i>American Journal of Ophthalmology</i> , 2015 , 159, 835-45.e3 | 4.9 | 12 |
| 7 | Orthokeratology-associated infectious keratitis in a tertiary care eye hospital in Hong Kong. <i>American Journal of Ophthalmology</i> , 2014 , 158, 1130-1135.e2 | 4.9 | 40 |
| 6 | Clinical characteristics and surgical outcomes of phacoemulsification in true exfoliation syndrome. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 82-6 | 2.3 | 9 |
| 5 | Application of anterior segment optical coherence tomography to identify eyes with posterior polar cataract at high risk for posterior capsule rupture. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 2076-81 | 2.3 | 27 |
| 4 | The Association of Delayed Corneal Surface and Visual Recovery After Corneal Transplantation With Longer Donor Storage Time-A Prospective Analysis. <i>Asia-Pacific Journal of Ophthalmology</i> , 2014 , 3, 211-4 | 3.5 | 2 |
| 3 | Cataract surgery outcomes in adult patients with Down's syndrome. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1273-6 | 5.5 | 9 |
| 2 | Comparison of the Surgical Outcomes of Various Methods of Endothelial Keratoplasty. <i>Asia-Pacific Journal of Ophthalmology</i> , 2012 , 1, 259-64 | 3.5 | 3 |
| 1 | Sleep/wake habits, excessive daytime sleepiness and academic performance among medical students in Hong Kong. <i>Biological Rhythm Research</i> , 2008 , 39, 369-377 | 0.8 | 13 |