

Tommy C Y Chan

List of Publications by Citations

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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	Adenoviral keratoconjunctivitis. <i>Survey of Ophthalmology</i> , 2015 , 60, 435-43	6.1	86
104	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
103	One-year outcomes of conventional and accelerated collagen crosslinking in progressive keratoconus. <i>Scientific Reports</i> , 2015 , 5, 14425	4.9	65
102	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
101	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
100	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
99	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
98	Applications of corneal topography and tomography: a review. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 133-146	2.4	41
97	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
96	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
95	Genetic associations for keratoconus: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2017 , 7, 4620	4.9	40
94	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
93	Survival of Primary Penetrating Keratoplasty in Children. <i>American Journal of Ophthalmology</i> , 2016 , 171, 95-100	4.9	33
92	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
91	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
90	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
89	A Systematic Review of Potential Therapeutic Use of Lycium Barbarum Polysaccharides in Disease. <i>BioMed Research International</i> , 2019 , 2019, 4615745	3	28

88	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
87	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
86	Prevalence of Ocular Manifestations and Visual Outcomes in Patients With Herpes Zoster Ophthalmicus. <i>Cornea</i> , 2017 , 36, 338-342	3.1	25
85	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
84	Preoperative optimization of ocular surface disease before cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 1596-1607	2.3	25
83	Corneal collagen cross-linking for infectious keratitis: an update of clinical studies. <i>Acta Ophthalmologica</i> , 2015 , 93, 689-96	3.7	25
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	Advances in dry eye imaging: the present and beyond. <i>British Journal of Ophthalmology</i> , 2018 , 102, 295-304	3.1	17
73	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
72	Use of anti-vascular endothelial growth factor in the management of pterygium. <i>Acta Ophthalmologica</i> , 2017 , 95, 20-27	3.7	16
71	Epidemiology of Open-Globe Injuries in Hong Kong. <i>Asia-Pacific Journal of Ophthalmology</i> , 2017 , 6, 54-58	3.5	16

70	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
69	Refractive regression after laser in situ keratomileusis. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 934-944	2.4	15
68	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
67	Cross-linking for microbial keratitis. <i>Current Opinion in Ophthalmology</i> , 2016 , 27, 348-52	5.1	15
66	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
65	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
64	Dry Eyes After SMILE. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019 , 8, 397-405	3.5	14
63	Vector analysis of high (\geq 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
62	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
61	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
60	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
59	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
58	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
57	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
56	Intraocular lens explantation in Chinese patients: different patterns and different responses. <i>International Ophthalmology</i> , 2015 , 35, 679-84	2.2	11
55	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
54	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
53	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

52	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
51	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
50	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
49	Astigmatism Correction Using SMILE. <i>Asia-Pacific Journal of Ophthalmology</i> , 2019 , 8, 391-396	3.5	10
48	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
47	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
46	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
45	Cataract surgery outcomes in adult patients with Down's syndrome. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1273-6	5.5	9
44	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
43	Outcomes of presbyopia-correcting intraocular lenses after laser in situ keratomileusis. <i>International Ophthalmology</i> , 2019 , 39, 1199-1204	2.2	9
42	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
41	Effect of location of opening incision on astigmatic correction after small-incision lenticule extraction. <i>Scientific Reports</i> , 2016 , 6, 35881	4.9	8
40	Corneal Collagen Cross-linking: A Review of Clinical Applications. <i>Asia-Pacific Journal of Ophthalmology</i> , 2015 , 4, 300-6	3.5	8
39	Comparison of Tear Osmolarity in Rheumatoid Arthritis Patients With and Without Secondary Sjogren Syndrome. <i>Cornea</i> , 2017 , 36, 805-809	3.1	7
38	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
37	Images in clinical medicine. Amiodarone-induced vortex keratopathy. <i>New England Journal of Medicine</i> , 2015 , 372, 1656	59.2	6
36	Hybrid procedure for orbital venous malformation in the endovascular operation room. <i>Eye</i> , 2015 , 29, 1069-75	4.4	6
35	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

34	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
33	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
32	Secondary Lenticule Remnant Removal After SMILE. <i>Journal of Refractive Surgery</i> , 2017 , 33, 779-782	3:3	6
31	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
30	Induction of Apoptosis in Pterygium Cells by Antagonists of Growth Hormone-Releasing Hormone Receptors 2018 , 59, 5060-5066		6
29	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
28	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
27	Survival analysis of visual improvement after cataract surgery in advanced retinitis pigmentosa. <i>Eye</i> , 2017 , 31, 1747-1748	4:4	5
26	Survival Analysis of Corneal Densitometry After Collagen Cross-Linking for Progressive Keratoconus. <i>Cornea</i> , 2018 , 37, 1449-1456	3:1	5
25	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
24	Visual outcomes after cataract surgery in adults with presumed amblyopia and anisomyopia. <i>Acta Ophthalmologica</i> , 2017 , 95, e515-e516	3:7	3
23	Simple steep-axis marking technique using a corneal analyzer. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 153-155	2:3	3
22	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
21	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
20	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
19	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
18	Possible Risk Factors and Clinical Outcomes of Black Areas in Small-Incision Lenticule Extraction. <i>Cornea</i> , 2018 , 37, 1035-1041	3:1	2
17	Lacrimal gland abscess in children: Two case reports and literature review. <i>Orbit</i> , 2017 , 36, 468-472	1:5	2

16	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
15	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
14	A Cohesin Subunit Variant Identified from a Peripheral Sclerocornea Pedigree. <i>Disease Markers</i> , 2019 , 2019, 8781524	3.2	2
13	A sclerocornea-associated RAD21 variant induces corneal stroma disorganization. <i>Experimental Eye Research</i> , 2019 , 185, 107687	3.7	1
12	Re: Hwang et al.: Distinguishing highly asymmetric keratoconus eyes using combined Scheimpflug and spectral-domain OCT analysis (Ophthalmology. 2018;125:1862-1871). <i>Ophthalmology</i> , 2019 , 126, e26	7.3	1
11	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
10	Keratoconus Genes in Chinese. <i>Essentials in Ophthalmology</i> , 2019 , 435-447	0.2	1
9	The Tenons 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
8	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
7	Fluctuation in straylight measurements during the visual recovery phase after small incision lenticule extraction. <i>Eye</i> , 2020 , 34, 366-373	4.4	0
6	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	
5	Reply: To PMID 25448990. <i>American Journal of Ophthalmology</i> , 2015 , 160, 201-2	4.9	
4	A contact lens causing blood-stained tears. <i>BMJ Case Reports</i> , 2016 , 2016,	0.9	
3	Reply. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 1106-7	2.3	
2	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	
1	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	