

# Hungwon Tchah

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

671  
citations

759233

12  
h-index

794594

19  
g-index

66  
all docs

66  
docs citations

66  
times ranked

741  
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond Laser-assisted Arcuate Keratotomy Versus Toric IOL Implantation for Correcting Astigmatism. <i>Journal of Refractive Surgery</i> , 2015, 31, 574-578.	2.3	56
2	Nerve Growth Factor Attenuates Apoptosis and Inflammation in the Diabetic Cornea. , 2016, 57, 6767.		44
3	Bilateral mix-and-match versus unilateral multifocal intraocular lens implantation: Long-term comparison. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 1682-1690.	1.5	38
4	The Antioxidant N-Acetylcysteine Inhibits Inflammatory and Apoptotic Processes in Human Conjunctival Epithelial Cells in a High-Glucose Environment. , 2015, 56, 5614.		37
5	Diquafosol Sodium Inhibits Apoptosis and Inflammation of Corneal Epithelial Cells Via Activation of Erk1/2 and RSK: In Vitro and In Vivo Dry Eye Model. , 2018, 59, 5108.		32
6	Femtosecond laser-assisted cataract surgery versus conventional phacoemulsification: Refractive and aberrometric outcomes with a diffractive multifocal intraocular lens. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 21-27.	1.5	32
7	Comparison of confocal microscopy and two-photon microscopy in mouse cornea in vivo. <i>Experimental Eye Research</i> , 2015, 132, 101-108.	2.6	30
8	Predictive factors for photic phenomena after refractive, rotationally asymmetric, multifocal intraocular lens implantation. <i>International Journal of Ophthalmology</i> , 2017, 10, 241-245.	1.1	23
9	Heat shock protein 27 phosphorylation is involved in epithelial cell apoptosis as well as epithelial migration during corneal epithelial wound healing. <i>Experimental Eye Research</i> , 2014, 118, 36-41.	2.6	22
10	Quantitative Analysis of Lens Nuclear Density Using Optical Coherence Tomography (OCT) with a Liquid Optics Interface: Correlation between OCT Images and LOCS III Grading. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-5.	1.3	22
11	Clinical outcomes of a monofocal intraocular lens with enhanced intermediate function compared with an extended depth-of-focus intraocular lens. <i>Journal of Cataract and Refractive Surgery</i> , 2022, 48, 61-66.	1.5	22
12	Comparison of Visual Function after Implantation of Inferior Sector-Shaped Intraocular Lenses: Low-add +1.5 D vs +3.0 D. <i>European Journal of Ophthalmology</i> , 2016, 26, 607-611.	1.3	21
13	Regulation of 1-Cys Peroxiredoxin Expression in the Process of Stromal Wound Healing after Photorefractive Keratectomy. , 2005, 46, 2396.		15
14	In vivo 3D measurement of moxifloxacin and gatifloxacin distributions in the mouse cornea using multiphoton microscopy. <i>Scientific Reports</i> , 2016, 6, 25339.	3.3	15
15	Comparing prediction accuracy between total keratometry and conventional keratometry in cataract surgery with refractive multifocal intraocular lens implantation. <i>Scientific Reports</i> , 2021, 11, 19234.	3.3	15
16	Human Conjunctival Epithelial Sheets Grown on Poly(Lactic-Co-Glycolic) Acid Membranes and Cocultured With Human Tenon's Fibroblasts for Corneal Repair. , 2018, 59, 1475.		14
17	Effects of lid debris debridement combined with meibomian gland expression on the ocular surface MMP-9 levels and clinical outcomes in moderate and severe meibomian gland dysfunction. <i>BMC Ophthalmology</i> , 2021, 21, 175.	1.4	14
18	Protective Effects of Cyclosporine A Emulsion Versus Cyclosporine A Cationic Emulsion Against Desiccation Stress in Human Corneal Epithelial Cells. <i>Cornea</i> , 2020, 39, 508-513.	1.7	13

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19	Changes in the expression of matrix metalloproteinase-9 after intense pulsed light therapy combined with meibomian gland expression in moderate and severe meibomian gland dysfunction. <i>Contact Lens and Anterior Eye</i> , 2021, 44, 101339.	1.7	13
20	Corneal coma and trefoil changes associated with incision location in cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2015, 41, 2145-2151.	1.5	11
21	Effect of Rho-Associated Kinase Inhibitor and Mesenchymal Stem Cell-Derived Conditioned Medium on Corneal Endothelial Cell Senescence and Proliferation. <i>Cells</i> , 2021, 10, 1463.	4.1	10
22	Clinical Outcomes after Mix-and-Match Implantation of Extended Depth of Focus and Diffractive Multifocal Intraocular Lenses. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-7.	1.3	10
23	Lysis of vitreous strands with neodymium: YAG laser. <i>Korean Journal of Ophthalmology: KJO</i> , 1990, 4, 34.	1.1	10
24	Prediction accuracy of standard and total keratometry by swept-source optical biometer for multifocal intraocular lens power calculation. <i>Scientific Reports</i> , 2021, 11, 4794.	3.3	9
25	A new multiple noncontinuous puncture (pointage) technique for corneal tattooing. <i>International Journal of Ophthalmology</i> , 2015, 8, 928-32.	1.1	9
26	Effect of Three-Dimensional Printed Personalized Moisture Chamber Spectacles on the Periocular Humidity. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-7.	1.3	8
27	Heat Generation and Efficiency of a New Modified Phaco Tip and Sleeve. <i>PLoS ONE</i> , 2016, 11, e0159049.	2.5	8
28	Antifibrotic Effects of Sakuraso-Saponin in Primary Cultured Pterygium Fibroblasts in Comparison With Mitomycin C. , 2019, 60, 4784.		8
29	Clinical outcomes after mix-and-match implantation of diffractive multifocal intraocular lenses with +2.75 and +4.00 diopter add powers. <i>BMC Ophthalmology</i> , 2020, 20, 193.	1.4	8
30	Transplantation of human corneal limbal epithelial cell sheet harvested on synthesized carboxymethyl cellulose and dopamine in a limbal stem cell deficiency. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 139-149.	2.7	8
31	Effect of intense pulsed light using acne filter on eyelid margin telangiectasia in moderate-to-severe meibomian gland dysfunction. <i>Lasers in Medical Science</i> , 2022, , 1.	2.1	8
32	Two-photon microscopy of fungal keratitis-affected rabbit cornea ex vivo using moxifloxacin as a labeling agent. <i>Experimental Eye Research</i> , 2018, 174, 51-58.	2.6	7
33	Diffractive multifocal intraocular lens implantation in patients with monofocal intraocular lens in the contralateral eye. <i>International Journal of Ophthalmology</i> , 2020, 13, 737-743.	1.1	7
34	Plasmacytoma presented as a lid mass: A case report. <i>Korean Journal of Ophthalmology: KJO</i> , 1991, 5, 92.	1.1	7
35	Long-Term Quality of Life after Myopic Laser Refractive Surgery. <i>Journal of Korean Ophthalmological Society</i> , 2011, 52, 922.	0.2	6
36	Comparison of reflectance confocal microscopy and two-photon second harmonic generation microscopy in fungal keratitis rabbit model ex vivo. <i>Biomedical Optics Express</i> , 2016, 7, 677.	2.9	6

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37	Validity of Tono-pachymetry for Measuring Corrected Intraocular Pressure in Non-surgical and Post-photorefractive Keratectomy Eyes. Korean Journal of Ophthalmology: KJO, 2017, 31, 44.	1.1	5
38	Analysis of Positional Relationships of Various Centers in Cataract Surgery. Korean Journal of Ophthalmology: KJO, 2019, 33, 70.	1.1	5
39	Astigmatic correction of simultaneous femtosecond laser-assisted cataract surgery (FLACS) with intrastromal arcuate keratotomy (ISAK) versus Toric intraocular Lens Implantation with conventional phacoemulsification. BMC Ophthalmology, 2021, 21, 298.	1.4	4
40	Association between glaucoma surgery and all-cause and cause-specific mortality among elderly patients with glaucoma: a nationwide population-based cohort study. Scientific Reports, 2021, 11, 17055.	3.3	4
41	Measurement of IgA level in normal human tears by enzyme-linked immunosorbent assay. Korean Journal of Ophthalmology: KJO, 1989, 3, 70.	1.1	4
42	Effect of preoperative eyedrops on cytokine concentrations in aqueous humor of patients undergoing femtosecond laser-assisted cataract surgery. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 885-891.	1.9	4
43	RNA Interference-based Investigation of the Function of Heat Shock Protein 27 during Corneal Epithelial Wound Healing. Journal of Visualized Experiments, 2016, , .	0.3	3
44	Topical nerve growth factor attenuates streptozotocin-induced diabetic cataracts via polyol pathway inhibition and Na <sup>+</sup> /K <sup>+</sup> -ATPase upregulation. Experimental Eye Research, 2021, 202, 108319.	2.6	3
45	Safety and efficacy of a low-level radiofrequency thermal treatment in an animal model of obstructive meibomian gland dysfunction. Lasers in Medical Science, 2022, , 1.	2.1	3
46	Clinical Outcomes After Microincision Cataract Surgery and In-the-bag Implantation of a New Intraocular Lens. Journal of Korean Ophthalmological Society, 2010, 51, 677.	0.2	2
47	Evaluation of Astigmatic Correction Using Vector Analysis after Combined Femtosecond Laser-Assisted Phacoemulsification and Intrastromal Arcuate Keratotomy. Journal of Ophthalmology, 2021, 2021, 1-8.	1.3	2
48	In vivo biodistribution of topical low molecular weight heparin-taurocholate in a neovascularized mouse cornea. International Journal of Ophthalmology, 2018, 11, 1435-1439.	1.1	2
49	Anti-inflammatory and anti-apoptotic effects of N-acetylcysteine in diabetic rat corneal epithelium. International Journal of Ophthalmology, 2021, 14, 1805-1812.	1.1	2
50	Comparison of Clinical Outcomes between Different IOL Sizes after Microincisional Cataract Surgery. Journal of Korean Ophthalmological Society, 2011, 52, 1281.	0.2	1
51	Central thickening of the donor posterior corneal disc in femtosecond-laser-assisted Descemet's stripping endothelial keratoplasty. Japanese Journal of Ophthalmology, 2011, 55, 423-424.	1.9	1
52	Accuracy of an automated refractor using a Hartmann-Shack sensor after corneal refractive surgery and cataract surgery. Journal of Cataract and Refractive Surgery, 2015, 41, 1889-1897.	1.5	1
53	Safety and efficacy of tacrolimus-coated silicone plates as an alternative to mitomycin C in a rabbit model of conjunctival fibrosis. PLoS ONE, 2019, 14, e0219194.	2.5	1
54	Multiple Allergen Simultaneous Test-Immunoblot Assay for Immunoglobulin E Detection in Patients with Isolated Allergic Conjunctivitis. Journal of Clinical Medicine, 2021, 10, 960.	2.4	1

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55	Attenuation of corneal neovascularization by topical low-molecular-weight heparin-taurocholate 7 without bleeding complication. <i>International Journal of Ophthalmology</i> , 2016, 9, 1255-9.	1.1	1
56	Relationship between Cataract Surgery and Mortality in Elderly Patients with Cataract: Nationwide Population-Based Cohort Study in South Korea. <i>Journal of Personalized Medicine</i> , 2021, 11, 1128.	2.5	1
57	Clinical Outcomes of Nanothin Descemet Stripping Automated Endothelial Keratoplasty in Korean patients with Corneal Endothelial Dysfunction. <i>Korean Journal of Ophthalmology: KJO</i> , 2022, , .	1.1	1
58	Vitreotomy and All-Cause and Cause-Specific Mortality in Elderly Patients With Vitreoretinal Diseases: A Nationwide Cohort Study. <i>Frontiers in Medicine</i> , 2022, 9, 851536.	2.6	1
59	Surgical treatment for myopia. <i>Journal of the Korean Medical Association</i> , 2011, 54, 392.	0.3	0
60	Expression of major histocompatibility complex antigen in Lewis rat cornea. <i>Korean Journal of Ophthalmology: KJO</i> , 1994, 8, 66.	1.1	0
61	Corneal Epithelial Removal with a Newly Designed Epithelial Brush. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-8.	1.3	0
62	Evaluation of the Optical Aspects of the Ophthalmic Viscosurgical Device During Femtosecond Laser-Assisted Cataract Surgery. <i>Translational Vision Science and Technology</i> , 2022, 11, 2.	2.2	0