

Jiaxu Hong

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,239
citations

236612

25
h-index

288905

40
g-index

95
all docs

95
docs citations

95
times ranked

2513
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Tonometer—The Corvis ST Tonometer: Clinical Comparison with Noncontact and Goldmann Applanation Tonometers. , 2013, 54, 659.		176
2	Assessment of Tear Film Stability in Dry Eye With a Newly Developed Keratograph. Cornea, 2013, 32, 716-721.	0.9	144
3	Lentiviral delivery of co-packaged Cas9 mRNA and a Vegfa-targeting guide RNA prevents wet age-related macular degeneration in mice. Nature Biomedical Engineering, 2021, 5, 144-156.	11.6	98
4	Impact of Dry Eye Syndrome on Vision-Related Quality of Life in a Non-Clinic-Based General Population. BMC Ophthalmology, 2012, 12, 22.	0.6	91
5	Targeting herpes simplex virus with CRISPR—Cas9 cures herpetic stromal keratitis in mice. Nature Biotechnology, 2021, 39, 567-577.	9.4	91
6	Spectral-Domain Optical Coherence Tomographic Assessment of Schlemm's Canal in Chinese Subjects with Primary Open-angle Glaucoma. Ophthalmology, 2013, 120, 709-715.	2.5	79
7	Age-Related Changes in Human Corneal Epithelial Thickness Measured With Anterior Segment Optical Coherence Tomography. , 2014, 55, 5032.		67
8	Assessment of Bulbar Redness with a Newly Developed Keratograph. Optometry and Vision Science, 2015, 92, 892-899.	0.6	64
9	Ambient air pollution, weather changes and outpatient visits for allergic conjunctivitis: A retrospective registry study. Scientific Reports, 2016, 6, 23858.	1.6	63
10	Age-related changes of human conjunctiva on in vivo confocal microscopy. British Journal of Ophthalmology, 2010, 94, 1448-1453.	2.1	60
11	Therapeutic Nanoparticles from Grape Seed for Modulating Oxidative Stress. Small, 2021, 17, e2102485.	5.2	57
12	Clinical Characteristics and Visual Outcome of Severe Ocular Chemical Injuries in Shanghai. Ophthalmology, 2010, 117, 2268-2272.	2.5	51
13	Evaluation of Age-related Changes in Human Palpebral Conjunctiva and Meibomian Glands by In Vivo Confocal Microscopy. Cornea, 2011, 30, 1007-1012.	0.9	49
14	In vivo confocal microscopy of conjunctival goblet cells in patients with Sjogren's syndrome dry eye. British Journal of Ophthalmology, 2010, 94, 1454-1458.	2.1	48
15	Deep learning for identifying corneal diseases from ocular surface slit-lamp photographs. Scientific Reports, 2020, 10, 17851.	1.6	47
16	Organoids and organ chips in ophthalmology. Ocular Surface, 2021, 19, 1-15.	2.2	45
17	Comparison of human corneal cell density by age and corneal location: an in vivo confocal microscopy study. BMC Ophthalmology, 2016, 16, 109.	0.6	44
18	Anterior Chamber Angle Assessment by Anterior-segment Optical Coherence Tomography After Phacoemulsification With or Without Goniosynechialysis in Patients With Primary Angle Closure Glaucoma. Journal of Glaucoma, 2015, 24, 647-655.	0.8	42

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19	Comparison on the vision-related quality of life between outpatients and general population with dry eye syndrome. <i>Acta Ophthalmologica</i> , 2014, 92, e124-32.	0.6	41
20	Transient Tear Film Dysfunction after Cataract Surgery in Diabetic Patients. <i>PLoS ONE</i> , 2016, 11, e0146752.	1.1	40
21	Corneal Epithelial Thickness Map in Long-Term Soft Contact Lenses Wearers. <i>Optometry and Vision Science</i> , 2014, 91, 1455-1461.	0.6	37
22	Rescue the retina after the ischemic injury by polymer-mediated intracellular superoxide dismutase delivery. <i>Biomaterials</i> , 2021, 268, 120600.	5.7	37
23	CG14906 (<i>mettl4</i>) mediates m6A methylation of U2 snRNA in <i>Drosophila</i> . <i>Cell Discovery</i> , 2020, 6, 44.	3.1	35
24	Vision-Related Quality of Life in Patients with Ocular Chemical Burns. , 2011, 52, 8951.		33
25	Schlemm's Canal Expands After Trabeculectomy in Patients With Primary Angle-Closure Glaucoma. , 2014, 55, 5637.		31
26	NGF promotes cell cycle progression by regulating D-type cyclins via PI3K/Akt and MAPK/Erk activation in human corneal epithelial cells. <i>Molecular Vision</i> , 2012, 18, 758-64.	1.1	31
27	Assessment of Lower Tear Meniscus. <i>Optometry and Vision Science</i> , 2016, 93, 1420-1425.	0.6	28
28	Ageing and ocular surface immunity. <i>British Journal of Ophthalmology</i> , 2017, 101, 1-5.	2.1	28
29	Regulation of CD11b by HIF-1 α and the STAT3 signaling pathway contributes to the immunosuppressive function of B cells in inflammatory bowel disease. <i>Molecular Immunology</i> , 2019, 111, 162-171.	1.0	28
30	Association of Common Variants in LOX with Keratoconus: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0145815.	1.1	25
31	T-style keratoprosthesis based on surface-modified poly (2-hydroxyethyl methacrylate) hydrogel for cornea repairs. <i>Materials Science and Engineering C</i> , 2015, 50, 274-285.	3.8	24
32	Existence of Normal Limbal Epithelium in Eyes With Clinical Signs of Total Limbal Stem Cell Deficiency. <i>Cornea</i> , 2016, 35, 1483-1487.	0.9	24
33	Position of the central retinal vessel trunk and pattern of remaining visual field in advanced glaucoma. <i>British Journal of Ophthalmology</i> , 2013, 97, 96-100.	2.1	21
34	Evaluation of Age-Related Changes in Noninvasive Tear Breakup Time. <i>Optometry and Vision Science</i> , 2014, 91, 150-155.	0.6	19
35	In vivo confocal microscopy of meibomian glands and palpebral conjunctiva in vernal keratoconjunctivitis. <i>Indian Journal of Ophthalmology</i> , 2015, 63, 327.	0.5	19
36	Development of a novel CsA-PLGA drug delivery system based on a glaucoma drainage device for the prevention of postoperative fibrosis. <i>Materials Science and Engineering C</i> , 2016, 66, 206-214.	3.8	19

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37	Corvis ST Tonometer for Measuring Postoperative IOP in LASIK Patients. <i>Optometry and Vision Science</i> , 2015, 92, 589-595.	0.6	18
38	Schnyder corneal dystrophy-associated UBIAD1 mutations cause corneal cholesterol accumulation by stabilizing HMG-CoA reductase. <i>PLoS Genetics</i> , 2019, 15, e1008289.	1.5	18
39	All-small-molecule supramolecular hydrogels assembled from guanosine 5'-monophosphate disodium salt and tobramycin for the treatment of bacterial keratitis. <i>Bioactive Materials</i> , 2022, 16, 293-300.	8.6	18
40	Application of In Vivo Laser Scanning Confocal Microscopy for Evaluation of Ocular Surface Diseases: Lessons Learned From Pterygium, Meibomian Gland Disease, and Chemical Burns. <i>Cornea</i> , 2011, 30, S25-S28.	0.9	16
41	Novel Mutations Associated With Various Types of Corneal Dystrophies in a Han Chinese Population. <i>Frontiers in Genetics</i> , 2019, 10, 881.	1.1	16
42	Scaling and maintenance of corneal thickness during aging. <i>PLoS ONE</i> , 2017, 12, e0185694.	1.1	16
43	Pretreatment of Rapamycin Before Allogenic Corneal Transplant Promotes Graft Survival Through Increasing CD4+CD25+Foxp3+ Regulatory T Cells. <i>Experimental and Clinical Transplantation</i> , 2012, 11, 56-62.	0.2	16
44	In vivo laser scanning confocal microscopy of vernal keratoconjunctivitis. <i>Clinical and Experimental Ophthalmology</i> , 2010, 39, no-no.	1.3	15
45	Analysis of medical expenditure and socio-economic status in patients with ocular chemical burns in East China: a retrospective study. <i>BMC Public Health</i> , 2012, 12, 409.	1.2	15
46	Vision-Related Quality of Life in Patients with Infectious Keratitis. <i>Optometry and Vision Science</i> , 2014, 91, 278-283.	0.6	15
47	Limitations of Keratoplasty in China: A Survey Analysis. <i>PLoS ONE</i> , 2015, 10, e0132268.	1.1	15
48	Rapid and quantitative detection of tear MMP-9 for dry eye patients using a novel silicon nanowire-based biosensor. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114498.	5.3	15
49	Assessment of limbus and central cornea in patients with keratolimbal allograft transplantation using in vivo laser scanning confocal microscopy: an observational study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 701-708.	1.0	14
50	Bacterial Keratitis in Shanghai. <i>Ophthalmology</i> , 2013, 120, 647.	2.5	14
51	Optimising keratoplasty for Peters' anomaly in infants using spectral-domain optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2017, 101, 820-827.	2.1	12
52	Nanomedicines for the treatment of glaucoma: Current status and future perspectives. <i>Acta Biomaterialia</i> , 2021, 125, 41-56.	4.1	12
53	Medically uncontrolled conjunctival pyogenic granulomas: correlation between clinical characteristics and histological findings. <i>Oncotarget</i> , 2017, 8, 2020-2024.	0.8	9
54	Correlation Between Anterior Chamber Volume and Corneal Biomechanical Properties in Human Eyes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 379.	2.0	9

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55	MicroRNA-494 inhibits nerve growth factor-induced cell proliferation by targeting cyclin D1 in human corneal epithelial cells. <i>Molecular Medicine Reports</i> , 2017, 16, 4133-4142.	1.1	8
56	Age-Related Changes in Human Schlemm's Canal: An in Vivo Optical Coherence Tomography-Based Study. <i>Frontiers in Physiology</i> , 2018, 9, 630.	1.3	8
57	Sustained release of brimonidine from BRI@SR@TPU implant for treatment of glaucoma. <i>Drug Delivery</i> , 2022, 29, 613-623.	2.5	8
58	IFN- γ Regulates the Expression of MICA in Human Corneal Epithelium Through miRNA4448 and NF- κ B. <i>Frontiers in Immunology</i> , 2018, 9, 1530.	2.2	7
59	Clinical Properties and Risk Factors for Descemet Membrane Folds After Deep Anterior Lamellar Keratoplasty in Patients With Keratoconus. <i>Cornea</i> , 2019, 38, 1222-1227.	0.9	7
60	Long Non-coding RNAs Gabarapl2 and Chrb2 Positively Regulate Inflammatory Signaling in a Mouse Model of Dry Eye. <i>Frontiers in Medicine</i> , 2021, 8, 808940.	1.2	7
61	Morphological and Functional Changes of Meibomian Glands in Pediatric and Adult Patients with Allergic Conjunctivitis. <i>Journal of Clinical Medicine</i> , 2022, 11, 1427.	1.0	6
62	Secukinumab in the Treatment of Noninfectious Uveitis. <i>Ophthalmology</i> , 2013, 120, e86.	2.5	5
63	Meibomian Gland Alteration in Patients with Primary Chronic Dacryocystitis: An <i>in vivo</i> Confocal Microscopy Study. <i>Current Eye Research</i> , 2015, 40, 772-779.	0.7	5
64	Optical Coherence Tomography Assessment of Angle Anatomy Changes After Trabeculectomy in Primary Angle-Closure Glaucoma. <i>Journal of Glaucoma</i> , 2016, 25, 244-247.	0.8	5
65	Comparison of the Meibomian Gland Openings by Optical Coherence Tomography in Obstructive Meibomian Gland Dysfunction and Normal Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 3181.	1.0	5
66	Femtosecond laser-assisted Descemet's stripping endothelial keratoplasty: a prospective study of 6-month visual outcomes, corneal thickness and endothelial cell loss. <i>International Ophthalmology</i> , 2020, 40, 2065-2075.	0.6	5
67	Malapposition of graft-host interface after penetrating keratoplasty (PK) and deep anterior lamellar keratoplasty (DALK): an optical coherence tomography study. <i>BMC Ophthalmology</i> , 2020, 20, 41.	0.6	5
68	Application of Keratograph and Fourier-Domain Optical Coherence Tomography in Measurements of Tear Meniscus Height. <i>Journal of Clinical Medicine</i> , 2022, 11, 1343.	1.0	5
69	Heightened expression of MICA enhances the cytotoxicity of NK cells or CD8+T cells to human corneal epithelium <i>in vitro</i> . <i>BMC Ophthalmology</i> , 2012, 12, 6.	0.6	4
70	Actinobacillus actinomycetemcomitans Keratitis After Glaucoma Infiltration Surgery. <i>Medicine (United States)</i> , 2016, 95, e2608.	0.4	4
71	Nasolacrimal recanalization as an alternative to external dacryocystorhinostomy for treating failed nasolacrimal duct intubation. <i>Medicine (United States)</i> , 2016, 95, e4350.	0.4	4
72	Targeting NECTIN-1 Based on CRISPR/Cas9 System Attenuated the Herpes Simplex Virus Infection in Human Corneal Epithelial Cells <i>In Vitro</i> . <i>Translational Vision Science and Technology</i> , 2022, 11, 8.	1.1	4

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73	Interferon- β Up-Regulates Major-Histocompatibility-Complex Class I-Related Chain A Expression and Enhances Major-Histocompatibility-Complex Class I-Related Chain A-Mediated Cytolysis of Human Corneal Epithelium by Natural Killer Cells In Vitro. <i>Journal of Interferon and Cytokine Research</i> , 2012, 32, 115-120.	0.5	3
74	Outcomes of Deep Anterior Lamellar Keratoplasty Using the Big-Bubble Technique in Various Corneal Diseases. <i>American Journal of Ophthalmology</i> , 2013, 155, 405-406.	1.7	3
75	<i>Pseudomonas aeruginosa</i> keratitis misdiagnosed as fungal keratitis by in vivo confocal microscopy: a case report. <i>BMC Research Notes</i> , 2014, 7, 907.	0.6	3
76	Factors predicting long-term changes in refraction after lamellar keratoscleroplasty in children with limbal dermoids. <i>Eye</i> , 2021, 35, 1659-1665.	1.1	3
77	A Novel Hierarchical Deep Learning Framework for Diagnosing Multiple Visual Impairment Diseases in the Clinical Environment. <i>Frontiers in Medicine</i> , 2021, 8, 654696.	1.2	3
78	Combination of 0.05% Azelastine and 0.1% Tacrolimus Eye Drops in Children With Vernal Keratoconjunctivitis: A Prospective Study. <i>Frontiers in Medicine</i> , 2021, 8, 650083.	1.2	3
79	IRF4 and STAT3 activities are associated with the imbalanced differentiation of T-cells in responses to inhalable particulate matters. <i>Respiratory Research</i> , 2020, 21, 123.	1.4	3
80	Graft survival and endothelial outcomes after penetrating keratoplasty and Descemet stripping automated endothelial keratoplasty: A systematic review and meta-analysis. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 2794-2804.	0.8	3
81	Progress of anti-vascular endothelial growth factor therapy for ocular neovascular disease: benefits and challenges. <i>Chinese Medical Journal</i> , 2014, 127, 1550-7.	0.9	3
82	WAY-100635 Alleviates Corneal Lesions Through 5-HT1A Receptor-ROS-Autophagy Axis in Dry Eye. <i>Frontiers in Medicine</i> , 2021, 8, 799949.	1.2	3
83	Cyclosporine A Drug-Delivery System for High-risk Keratoplasty. <i>Ophthalmology</i> , 2013, 120, e65-e66.	2.5	2
84	Safety and Feasibility of Low Fluence Intense Pulsed Light for Treating Pediatric Patients with Moderate-to-Severe Blepharitis. <i>Journal of Clinical Medicine</i> , 2022, 11, 3080.	1.0	2
85	Re: Wang et al.: Quantitative measurements of the ciliary body in eyes with malignant glaucoma after trabeculectomy using ultrasound biomicroscopy (<i>Ophthalmology</i> 2014;121:862-9). <i>Ophthalmology</i> , 2015, 122, e4.	2.5	1
86	Design of a Novel Fab-Like Antibody Fragment with Enhanced Stability and Affinity for Clinical use. <i>Small Methods</i> , 2022, 6, 2100966.	4.6	1
87	Keratoplasty for Corneal Endothelial Disease. <i>Ophthalmology</i> , 2013, 120, 650.	2.5	0
88	Editorial: Novel Nanotechnology for Diagnosing and Treating Eye Disorders. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 639230.	2.0	0
89	Fourier-Domain Optical Coherence Tomographic Assessment of Changes in the Schlemm's Canal of Nonglaucomatous Subjects After Keratoplasty. <i>Frontiers in Physiology</i> , 2021, 12, 716117.	1.3	0
90	Clinical Investigation of the Safety and Efficacy of Low-temperature Plasma as an Adjuvant Treatment for Mild to Moderate Fungal Keratitis: A Pilot Study. <i>Ocular Immunology and Inflammation</i> , 2022, , 1-10.	1.0	0