

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	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
2	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
3	Targeting NECTIN-1 Based on CRISPR/Cas9 System Attenuated the Herpes Simplex Virus Infection in Human Corneal Epithelial Cells In Vitro. <i>Translational Vision Science and Technology</i> , 2022, 11, 8.	1.1	4
4	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
5	Sustained release of brimonidine from BRI@SR@TPU implant for treatment of glaucoma. <i>Drug Delivery</i> , 2022, 29, 613-623.	2.5	8
6	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
7	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
8	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
9	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
10	Organoids and organ chips in ophthalmology. <i>Ocular Surface</i> , 2021, 19, 1-15.	2.2	45
11	Rescue the retina after the ischemic injury by polymer-mediated intracellular superoxide dismutase delivery. <i>Biomaterials</i> , 2021, 268, 120600.	5.7	37
12	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
13	Lentiviral delivery of co-packaged Cas9 mRNA and a Vegfa-targeting guide RNA prevents wet age-related macular degeneration in mice. <i>Nature Biomedical Engineering</i> , 2021, 5, 144-156.	11.6	98
14	Targeting herpes simplex virus with CRISPR-Cas9 cures herpetic stromal keratitis in mice. <i>Nature Biotechnology</i> , 2021, 39, 567-577.	9.4	91
15	Editorial: Novel Nanotechnology for Diagnosing and Treating Eye Disorders. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 639230.	2.0	0
16	Nanomedicines for the treatment of glaucoma: Current status and future perspectives. <i>Acta Biomaterialia</i> , 2021, 125, 41-56.	4.1	12
17	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
18	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

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19	Therapeutic Nanoparticles from Grape Seed for Modulating Oxidative Stress. <i>Small</i> , 2021, 17, e2102485.	5.2	57
20	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
21	Long Non-coding RNAs <i>Gabrapl2</i> and <i>Chrb2</i> Positively Regulate Inflammatory Signaling in a Mouse Model of Dry Eye. <i>Frontiers in Medicine</i> , 2021, 8, 808940.	1.2	7
22	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
23	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
24	Deep learning for identifying corneal diseases from ocular surface slit-lamp photographs. <i>Scientific Reports</i> , 2020, 10, 17851.	1.6	47
25	CG14906 (<i>mettl4</i>) mediates m6A methylation of U2 snRNA in <i>Drosophila</i> . <i>Cell Discovery</i> , 2020, 6, 44.	3.1	35
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Ageing and ocular surface immunity. <i>British Journal of Ophthalmology</i> , 2017, 101, 1-5.	2.1	28
38	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
39	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
40	Medically uncontrolled conjunctival pyogenic granulomas: correlation between clinical characteristics and histological findings. <i>Oncotarget</i> , 2017, 8, 2020-2024.	0.8	9
41	Scaling and maintenance of corneal thickness during aging. <i>PLoS ONE</i> , 2017, 12, e0185694.	1.1	16
42	Transient Tear Film Dysfunction after Cataract Surgery in Diabetic Patients. <i>PLoS ONE</i> , 2016, 11, e0146752.	1.1	40
43	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
44	Actinobacillus actinomycetemcomitans Keratitis After Glaucoma Infiltration Surgery. <i>Medicine (United States)</i> , 2016, 95, e2608.	0.4	4
45	Ambient air pollution, weather changes and outpatient visits for allergic conjunctivitis: A retrospective registry study. <i>Scientific Reports</i> , 2016, 6, 23858.	1.6	63
46	Comparison of human corneal cell density by age and corneal location: an in vivo confocal microscopy study. <i>BMC Ophthalmology</i> , 2016, 16, 109.	0.6	44
47	Assessment of Lower Tear Meniscus. <i>Optometry and Vision Science</i> , 2016, 93, 1420-1425.	0.6	28
48	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
49	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
50	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
51	Assessment of Bulbar Redness with a Newly Developed Keratograph. <i>Optometry and Vision Science</i> , 2015, 92, 892-899.	0.6	64
52	Anterior Chamber Angle Assessment by Anterior-segment Optical Coherence Tomography After Phacoemulsification With or Without Goniosynechialysis in Patients With Primary Angle Closure Glaucoma. <i>Journal of Glaucoma</i> , 2015, 24, 647-655.	0.8	42
53	Corvis ST Tonometer for Measuring Postoperative IOP in LASIK Patients. <i>Optometry and Vision Science</i> , 2015, 92, 589-595.	0.6	18
54	Limitations of Keratoplasty in China: A Survey Analysis. <i>PLoS ONE</i> , 2015, 10, e0132268.	1.1	15

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55	Association of Common Variants in LOX with Keratoconus: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0145815.	1.1	25
56	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
57	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
58	Meibomian Gland Alteration in Patients with Primary Chronic Dacryocystitis: An In vivo Confocal Microscopy Study. <i>Current Eye Research</i> , 2015, 40, 772-779.	0.7	5
59	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
60	Schlemm's Canal Expands After Trabeculectomy in Patients With Primary Angle-Closure Glaucoma. , 2014, 55, 5637.		31
61	Evaluation of Age-Related Changes in Noninvasive Tear Breakup Time. <i>Optometry and Vision Science</i> , 2014, 91, 150-155.	0.6	19
62	Vision-Related Quality of Life in Patients with Infectious Keratitis. <i>Optometry and Vision Science</i> , 2014, 91, 278-283.	0.6	15
63	Corneal Epithelial Thickness Map in Long-Term Soft Contact Lenses Wearers. <i>Optometry and Vision Science</i> , 2014, 91, 1455-1461.	0.6	37
64	Age-Related Changes in Human Corneal Epithelial Thickness Measured With Anterior Segment Optical Coherence Tomography. , 2014, 55, 5032.		67
65	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
66	<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
67	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
68	Keratoplasty for Corneal Endothelial Disease. <i>Ophthalmology</i> , 2013, 120, 650.	2.5	0
69	Cyclosporine A Drug-Delivery System for High-risk Keratoplasty. <i>Ophthalmology</i> , 2013, 120, e65-e66.	2.5	2
70	Bacterial Keratitis in Shanghai. <i>Ophthalmology</i> , 2013, 120, 647.	2.5	14
71	Secukinumab in the Treatment of Noninfectious Uveitis. <i>Ophthalmology</i> , 2013, 120, e86.	2.5	5
72	Spectral-Domain Optical Coherence Tomographic Assessment of Schlemm's Canal in Chinese Subjects with Primary Open-angle Glaucoma. <i>Ophthalmology</i> , 2013, 120, 709-715.	2.5	79

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73	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
74	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
75	Assessment of Tear Film Stability in Dry Eye With a Newly Developed Keratograph. <i>Cornea</i> , 2013, 32, 716-721.	0.9	144
76	A New Tonometer—The Corvis ST Tonometer: Clinical Comparison with Noncontact and Goldmann Applanation Tonometers. , 2013, 54, 659.		176
77	Interferon- β Up-Regulates Major-Histocompatibility-Complex Class I-Related Chain A Expression and Enhances Major-Histocompatibility-Complex Class I-Related Chain A-Mediated Cytotoxicity 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
78	Impact of Dry Eye Syndrome on Vision-Related Quality of Life in a Non-Clinic-Based General Population. <i>BMC Ophthalmology</i> , 2012, 12, 22.	0.6	91
79	Heightened expression of MICA enhances the cytotoxicity of NK cells or CD8+T cells to human corneal epithelium in vitro. <i>BMC Ophthalmology</i> , 2012, 12, 6.	0.6	4
80	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
81	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
82	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
83	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
84	Evaluation of Age-related Changes in Human Palpebral Conjunctiva and Meibomian Glands by In Vivo Confocal Microscopy. <i>Cornea</i> , 2011, 30, 1007-1012.	0.9	49
85	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
86	Vision-Related Quality of Life in Patients with Ocular Chemical Burns. , 2011, 52, 8951.		33
87	In vivo laser scanning confocal microscopy of vernal keratoconjunctivitis. <i>Clinical and Experimental Ophthalmology</i> , 2010, 39, no-no.	1.3	15
88	In vivo confocal microscopy of conjunctival goblet cells in patients with Sjogren's syndrome dry eye. <i>British Journal of Ophthalmology</i> , 2010, 94, 1454-1458.	2.1	48
89	Clinical Characteristics and Visual Outcome of Severe Ocular Chemical Injuries in Shanghai. <i>Ophthalmology</i> , 2010, 117, 2268-2272.	2.5	51
90	Age-related changes of human conjunctiva on in vivo confocal microscopy. <i>British Journal of Ophthalmology</i> , 2010, 94, 1448-1453.	2.1	60