

Yizhi Liu

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

5,680
citations

109321

35
h-index

110387

64
g-index

195
all docs

195
docs citations

195
times ranked

7299
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanosterol reverses protein aggregation in cataracts. <i>Nature</i> , 2015, 523, 607-611.	27.8	351
2	Glutathione depletion induces ferroptosis, autophagy, and premature cell senescence in retinal pigment epithelial cells. <i>Cell Death and Disease</i> , 2018, 9, 753.	6.3	324
3	An artificial intelligence platform for the multihospital collaborative management of congenital cataracts. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	234
4	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014, 511, 358-361.	27.8	193
5	Lens regeneration using endogenous stem cells with gain of visual function. <i>Nature</i> , 2016, 531, 323-328.	27.8	171
6	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020, 31, 862-877.e14.	16.2	169
7	Effect of providing free glasses on children's educational outcomes in China: cluster randomized controlled trial. <i>BMJ, The</i> , 2014, 349, g5740-g5740.	6.0	161
8	Prevalence and epidemiological characteristics of congenital cataract: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2016, 6, 28564.	3.3	127
9	Diagnostic Efficacy and Therapeutic Decision-making Capacity of an Artificial Intelligence Platform for Childhood Cataracts in Eye Clinics: A Multicentre Randomized Controlled Trial. <i>EClinicalMedicine</i> , 2019, 9, 52-59.	7.1	117
10	MethSMRT: an integrative database for DNA N6-methyladenine and N4-methylcytosine generated by single-molecular real-time sequencing. <i>Nucleic Acids Research</i> , 2017, 45, D85-D89.	14.5	111
11	Prediction of myopia development among Chinese school-aged children using refraction data from electronic medical records: A retrospective, multicentre machine learning study. <i>PLoS Medicine</i> , 2018, 15, e1002674.	8.4	93
12	Cataract. <i>Nature Reviews Disease Primers</i> , 2015, 1, 15014.	30.5	90
13	Universal artificial intelligence platform for collaborative management of cataracts. <i>British Journal of Ophthalmology</i> , 2019, 103, 1553-1560.	3.9	87
14	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. <i>Nature Communications</i> , 2016, 7, 12152.	12.8	84
15	NLRP12 collaborates with NLRP3 and NLRC4 to promote pyroptosis inducing ganglion cell death of acute glaucoma. <i>Molecular Neurodegeneration</i> , 2020, 15, 26.	10.8	84
16	Efficacy and safety of femtosecond laser-assisted cataract surgery versus conventional phacoemulsification for cataract: a meta-analysis of randomized controlled trials. <i>Scientific Reports</i> , 2015, 5, 13123.	3.3	80
17	MicroRNA-26a and -26b inhibit lens fibrosis and cataract by negatively regulating Jagged-1/Notch signaling pathway. <i>Cell Death and Differentiation</i> , 2017, 24, 1431-1442.	11.2	78
18	Mitochondrial DNA oxidation induces imbalanced activity of NLRP3/NLRP6 inflammasomes by activation of caspase-8 and BRCC36 in dry eye. <i>Journal of Autoimmunity</i> , 2017, 80, 65-76.	6.5	76

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19	Facing the challenges in ophthalmology clerkship teaching: Is flipped classroom the answer?. PLoS ONE, 2017, 12, e0174829.	2.5	75
20	Trichostatin A, a histone deacetylase inhibitor, suppresses proliferation and epithelialâ€mesenchymal transition in retinal pigment epithelium cells. Journal of Cellular and Molecular Medicine, 2014, 18, 646-655.	3.6	66
21	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. Molecular Cell, 2015, 59, 931-940.	9.7	66
22	Application of Comprehensive Artificial intelligence Retinal Expert (CARE) system: a national real-world evidence study. The Lancet Digital Health, 2021, 3, e486-e495.	12.3	65
23	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. Nature Communications, 2020, 11, 3704.	12.8	62
24	Transcription Factor PAX6 (Paired Box 6) Controls Limbal Stem Cell Lineage in Development and Disease. Journal of Biological Chemistry, 2015, 290, 20448-20454.	3.4	54
25	A miR-327â€FGF10â€FGFR2-mediated autocrine signaling mechanism controls white fat browning. Nature Communications, 2017, 8, 2079.	12.8	52
26	The antihelminthic drug niclosamide effectively inhibits the malignant phenotypes of uveal melanoma <i>in vitro</i> and <i>in vivo</i>. Theranostics, 2017, 7, 1447-1462.	10.0	52
27	The Complex Interplay between ERK1/2, TGFÎ²/Smad, and Jagged/Notch Signaling Pathways in the Regulation of Epithelial-Mesenchymal Transition in Retinal Pigment Epithelium Cells. PLoS ONE, 2014, 9, e96365.	2.5	47
28	A Peer-to-Peer Live-Streaming Intervention for Children During COVID-19 Homeschooling to Promote Physical Activity and Reduce Anxiety and Eye Strain: Cluster Randomized Controlled Trial. Journal of Medical Internet Research, 2021, 23, e24316.	4.3	47
29	Single-cell transcriptomics of adult macaque hippocampus reveals neural precursor cell populations. Nature Neuroscience, 2022, 25, 805-817.	14.8	47
30	RPFdb: a database for genome wide information of translated mRNA generated from ribosome profiling. Nucleic Acids Research, 2016, 44, D254-D258.	14.5	46
31	VEGF-B is a potent antioxidant. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10351-10356.	7.1	46
32	NLRP12- and NLRC4-mediated corneal epithelial pyroptosis is driven by GSDMD cleavage accompanied by IL-33 processing in dry eye. Ocular Surface, 2020, 18, 783-794.	4.4	46
33	Ribosome Profiling Reveals Translational Upregulation of Cellular Oxidative Phosphorylation mRNAs during Vaccinia Virus-Induced Host Shutoff. Journal of Virology, 2017, 91, .	3.4	45
34	Repurposing type Iâ€CRISPRâ€Cas system as a transcriptional activation tool in human cells. Nature Communications, 2020, 11, 3136.	12.8	45
35	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. Nature Biomedical Engineering, 2020, 4, 767-777.	22.5	42
36	Quantitative analysis of injury-induced anterior subcapsular cataract in the mouse: a model of lens epithelial cells proliferation and epithelial-mesenchymal transition. Scientific Reports, 2015, 5, 8362.	3.3	40

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37	Invasiveness and metastasis of retinoblastoma in an orthotopic zebrafish tumor model. <i>Scientific Reports</i> , 2015, 5, 10351.	3.3	39
38	Global and cell-type specific properties of lincRNAs with ribosome occupancy. <i>Nucleic Acids Research</i> , 2017, 45, gkw909.	14.5	38
39	CXXC finger protein 1 is critical for T-cell intrathymic development through regulating H3K4 trimethylation. <i>Nature Communications</i> , 2016, 7, 11687.	12.8	38
40	Safety of Spectacles for Children's Vision: A Cluster-Randomized Controlled Trial. <i>American Journal of Ophthalmology</i> , 2015, 160, 897-904.	3.3	37
41	Comparison of sedation by intranasal dexmedetomidine and oral chloral hydrate for pediatric ophthalmic examination. <i>Paediatric Anaesthesia</i> , 2017, 27, 629-636.	1.1	36
42	Pilot study of a novel classroom designed to prevent myopia by increasing children's exposure to outdoor light. <i>PLoS ONE</i> , 2017, 12, e0181772.	2.5	36
43	Differentially expressed microRNAs in TGF β 2-induced epithelial-mesenchymal transition in retinal pigment epithelium cells. <i>International Journal of Molecular Medicine</i> , 2014, 33, 1195-1200.	4.0	35
44	Development of Highly Efficient Dual-CRISPR Split Adenosine Base Editor for In Vivo Gene Therapy. <i>Small Methods</i> , 2020, 4, 2000309.	8.6	34
45	Cytoprotective effects of proteasome beta5 subunit overexpression in lens epithelial cells. <i>Molecular Vision</i> , 2007, 13, 31-8.	1.1	34
46	VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5944-53.	7.1	33
47	Visual Restoration after Cataract Surgery Promotes Functional and Structural Brain Recovery. <i>EBioMedicine</i> , 2018, 30, 52-61.	6.1	33
48	A specific RIP3 ⁺ subpopulation of microglia promotes retinopathy through a hypoxia-triggered necroptotic mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
49	Structural variants in the Chinese population and their impact on phenotypes, diseases and population adaptation. <i>Nature Communications</i> , 2021, 12, 6501.	12.8	33
50	Inhibition of cGAS-STING by JQ1 alleviates oxidative stress-induced retina inflammation and degeneration. <i>Cell Death and Differentiation</i> , 2022, 29, 1816-1833.	11.2	33
51	Documenting rare disease data in China. <i>Science</i> , 2015, 349, 1064-1064.	12.6	32
52	Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis. <i>Nature Communications</i> , 2021, 12, 420.	12.8	32
53	Melatonin protects inner retinal neurons of newborn mice after hypoxia-ischemia. <i>Journal of Pineal Research</i> , 2021, 71, e12716.	7.4	32
54	Critical role of caveolin-1 in ocular neovascularization and multitargeted antiangiogenic effects of cavtratin via JNK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10737-10742.	7.1	30

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55	Alpha-1 Antitrypsin Attenuates M1 Microglia-Mediated Neuroinflammation in Retinal Degeneration. <i>Frontiers in Immunology</i> , 2018, 9, 1202.	4.8	30
56	Identification of an intraocular microbiota. <i>Cell Discovery</i> , 2021, 7, 13.	6.7	30
57	The immunoregulatory role of corneal epithelium-derived thrombospondin-1 in dry eye disease. <i>Ocular Surface</i> , 2018, 16, 470-477.	4.4	29
58	Congenital Cataract: Prevalence and Surgery Age at Zhongshan Ophthalmic Center (ZOC). <i>PLoS ONE</i> , 2014, 9, e101781.	2.5	28
59	Maintenance of antiangiogenic and antitumor effects by orally active low-dose capecitabine for long-term cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5226-E5235.	7.1	28
60	A practical model for the identification of congenital cataracts using machine learning. <i>EBioMedicine</i> , 2020, 51, 102621.	6.1	28
61	Sprouty2 Suppresses Epithelial-Mesenchymal Transition of Human Lens Epithelial Cells through Blockade of Smad2 and ERK1/2 Pathways. <i>PLoS ONE</i> , 2016, 11, e0159275.	2.5	28
62	Heterochromatin protects retinal pigment epithelium cells from oxidative damage by silencing p53 target genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3987-E3995.	7.1	27
63	Accuracy of New Generation Intraocular Lens Calculation Formulas in Vitrectomized Eyes. <i>American Journal of Ophthalmology</i> , 2020, 217, 81-90.	3.3	27
64	In vivo Regeneration of Ganglion Cells for Vision Restoration in Mammalian Retinas. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 755544.	3.7	27
65	10-Year Overview of the Hospital-Based Prevalence and Treatment of Congenital Cataracts: The CCPMOH Experience. <i>PLoS ONE</i> , 2015, 10, e0142298.	2.5	26
66	Ocular Hypertension after Pediatric Cataract Surgery: Baseline Characteristics and First-Year Report. <i>PLoS ONE</i> , 2013, 8, e69867.	2.5	25
67	Effectiveness of an Ophthalmic Hospital-Based Virtual Service during the COVID-19 Pandemic. <i>Ophthalmology</i> , 2021, 128, 942-945.	5.2	25
68	Vasoprotective effect of PDGF-CC mediated by HMOX1 rescues retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14806-14811.	7.1	24
69	Artificial intelligence manages congenital cataract with individualized prediction and telehealth computing. <i>Npj Digital Medicine</i> , 2020, 3, 112.	10.9	22
70	High-dimensional single-cell analysis reveals the immune characteristics of COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L84-L98.	2.9	22
71	Capsular Outcomes Differ with Capsulorhexis Sizes after Pediatric Cataract Surgery: A Randomized Controlled Trial. <i>Scientific Reports</i> , 2015, 5, 16227.	3.3	21
72	Application of artificial intelligence in anterior segment ophthalmic diseases: diversity and standardization. <i>Annals of Translational Medicine</i> , 2020, 8, 714-714.	1.7	21

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73	Improvement of Uveal and Capsular Biocompatibility of Hydrophobic Acrylic Intraocular Lens by Surface Grafting with 2-Methacryloyloxyethyl Phosphorylcholine-Methacrylic Acid Copolymer. <i>Scientific Reports</i> , 2017, 7, 40462.	3.3	20
74	Expression of Cytokines, Chemokines and Growth Factors in Patients Undergoing Cataract Surgery with Femtosecond Laser Pretreatment. <i>PLoS ONE</i> , 2015, 10, e0137227.	2.5	20
75	A Novel Congenital Cataract Category System Based on Lens Opacity Locations and Relevant Anterior Segment Characteristics. , 2016, 57, 6389.		19
76	Type I Interferon Therapy Limits CNS Autoimmunity by Inhibiting CXCR3-Mediated Trafficking of Pathogenic Effector T Cells. <i>Cell Reports</i> , 2019, 28, 486-497.e4.	6.4	19
77	Inhibitory effect of pyruvium pamoate on uveal melanoma cells involves blocking of Wnt/ β -catenin pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 890-898.	2.0	18
78	D609 protects retinal pigmented epithelium as a potential therapy for age-related macular degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 20.	17.1	18
79	Prevalence of Corneal Astigmatism and Anterior Segmental Biometry Characteristics Before Surgery in Chinese Congenital Cataract Patients. <i>Scientific Reports</i> , 2016, 6, 22092.	3.3	17
80	Simultaneous Profiling of mRNA Transcriptome and DNA Methylome from a Single Cell. <i>Methods in Molecular Biology</i> , 2019, 1979, 363-377.	0.9	17
81	Oxidative stress-induced KLF4 activates inflammatory response through IL17RA and its downstream targets in retinal pigment epithelial cells. <i>Free Radical Biology and Medicine</i> , 2020, 147, 271-281.	2.9	17
82	MiR-22-3p inhibits fibrotic cataract through inactivation of HDAC6 and increase of β -tubulin acetylation. <i>Cell Proliferation</i> , 2020, 53, e12911.	5.3	17
83	The Structure of the Lens and Its Associations with the Visual Quality. <i>BMJ Open Ophthalmology</i> , 2020, 5, e000459.	1.6	17
84	Autophagy inhibition attenuates TGF- β 2-induced epithelial-mesenchymal transition in lens epithelial cells. <i>Life Sciences</i> , 2021, 265, 118741.	4.3	17
85	Differences in Unfolded Protein Response Pathway Activation in the Lenses of Three Types of Cataracts. <i>PLoS ONE</i> , 2015, 10, e0130705.	2.5	16
86	Distribution of Axial Length before Cataract Surgery in Chinese Pediatric Patients. <i>Scientific Reports</i> , 2016, 6, 23862.	3.3	16
87	The DNA Methylation Inhibitor Zebularine Controls CD4+ T Cell Mediated Intraocular Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 1950.	4.8	16
88	Association of Allergic Conjunctivitis With Health-Related Quality of Life in Children and Their Parents. <i>JAMA Ophthalmology</i> , 2021, 139, 830.	2.5	16
89	Immune Cell Landscape of Patients With Diabetic Macular Edema by Single-Cell RNA Analysis. <i>Frontiers in Pharmacology</i> , 2021, 12, 754933.	3.5	16
90	Monitoring and Morphologic Classification of Pediatric Cataract Using Slit-Lamp-Adapted Photography. <i>Translational Vision Science and Technology</i> , 2017, 6, 2.	2.2	15

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91	UPR Activation and the Downâ€“Regulation of α -Crystallin in Human High Myopia-Related Cataract Lens Epithelium. <i>PLoS ONE</i> , 2015, 10, e0137582.	2.5	14
92	Proteomics analysis and proteogenomic characterization of different physiopathological human lenses. <i>BMC Ophthalmology</i> , 2017, 17, 253.	1.4	14
93	A homozygous mutation p.Arg2167Trp in <i>FREM2</i> causes isolated cryptophthalmos. <i>Human Molecular Genetics</i> , 2018, 27, 2357-2366.	2.9	14
94	Single-cell RNA cap and tail sequencing (scRCAT-seq) reveals subtype-specific isoforms differing in transcript demarcation. <i>Nature Communications</i> , 2020, 11, 5148.	12.8	14
95	Attitudes towards medical artificial intelligence talent cultivation: an online survey study. <i>Annals of Translational Medicine</i> , 2020, 8, 708-708.	1.7	14
96	Determinants of intraocular lens tilt and decentration after cataract surgery. <i>Annals of Translational Medicine</i> , 2020, 8, 921-921.	1.7	14
97	The Key Role of VEGF in the Cross Talk between Pterygium and Dry Eye and Its Clinical Significance. <i>Ophthalmic Research</i> , 2020, 63, 320-331.	1.9	14
98	Single AAV-Mediated CRISPR-SaCas9 Inhibits HSV-1 Replication by Editing ICP4 in Trigeminal Ganglion Neurons. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 33-43.	4.1	14
99	In-the-Bag Versus Ciliary Sulcus Secondary Intraocular Lens Implantation for Pediatric Aphakia: A Prospective Comparative Study. <i>American Journal of Ophthalmology</i> , 2022, 236, 183-192.	3.3	14
100	Who will be wielding the lancet for China's patients in the future?. <i>Lancet, The</i> , 2016, 388, 1952-1954.	18.7	13
101	Discrimination of the behavioural dynamics of visually impaired infants via deep learning. <i>Nature Biomedical Engineering</i> , 2019, 3, 860-869.	22.5	13
102	Accuracy of intraocular lens power calculations in paediatric eyes. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 301-310.	2.6	13
103	Clinically Significant Intraocular Lens Decentration and Tilt in Highly Myopic Eyes: A Swept-Source Optical Coherence Tomography Study. <i>American Journal of Ophthalmology</i> , 2022, 235, 46-55.	3.3	13
104	Off-tumor targets compromise antiangiogenic drug sensitivity by inducing kidney erythropoietin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9635-E9644.	7.1	12
105	Preoperative and postoperative measurements of retinal vessel oxygen saturation in patients with different grades of cataracts. <i>Acta Ophthalmologica</i> , 2017, 95, e436-e442.	1.1	12
106	Liu et al. reply. <i>Nature</i> , 2018, 556, E3-E4.	27.8	12
107	Incidence of and Risk Factors for Suspected Glaucoma and Glaucoma After Congenital and Infantile Cataract Surgery: A Longitudinal Study in China. <i>Journal of Glaucoma</i> , 2020, 29, 46-52.	1.6	12
108	Comparison of Visual Neuroadaptations After Multifocal and Monofocal Intraocular Lens Implantation. <i>Frontiers in Neuroscience</i> , 2021, 15, 648863.	2.8	12

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109	Defect of LSS Disrupts Lens Development in Cataractogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 788422.	3.7	12
110	Corneal Biometric Features and Their Association With Axial Length in High Myopia. <i>American Journal of Ophthalmology</i> , 2022, 238, 45-51.	3.3	12
111	Wnt5a Contributes to the Differentiation of Human Embryonic Stem Cells into Lentoid Bodies Through the Noncanonical Wnt/JNK Signaling Pathway. , 2018, 59, 3449.		11
112	JNK1/ β -catenin axis regulates H ₂ O ₂ -induced epithelial-to-mesenchymal transition in human lens epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 336-342.	2.1	11
113	Lens regeneration in humans: using regenerative potential for tissue repairing. <i>Annals of Translational Medicine</i> , 2020, 8, 1544-1544.	1.7	11
114	Real-Time Imaging of Incision-Related Descemet Membrane Detachment During Cataract Surgery. <i>JAMA Ophthalmology</i> , 2021, 139, 150.	2.5	11
115	Spatial Technology Assessment of Green Space Exposure and Myopia. <i>Ophthalmology</i> , 2022, 129, 113-117.	5.2	11
116	Visual Outcome and Related Factors in Bilateral Total Congenital Cataract Patients: A Prospective Cohort Study. <i>Scientific Reports</i> , 2016, 6, 31307.	3.3	10
117	A Spatiotemporal Requirement for Prickle 1-Mediated PCP Signaling in Eyelid Morphogenesis and Homeostasis. , 2018, 59, 952.		10
118	Preoperative profile of inflammatory factors in aqueous humor correlates with postoperative inflammatory response in patients with congenital cataract. <i>Molecular Vision</i> , 2018, 24, 414-424.	1.1	10
119	The anti-inflammatory effect of minocycline on endotoxin-induced uveitis and retinal inflammation in rats. <i>Molecular Vision</i> , 2019, 25, 359-372.	1.1	10
120	MYPT1/PP1-Mediated EZH2 Dephosphorylation at S21 Promotes Epithelial-to-Mesenchymal Transition in Fibrosis through Control of Multiple Families of Genes. <i>Advanced Science</i> , 2022, 9, e2105539.	11.2	10
121	Examination of the Retina. <i>New England Journal of Medicine</i> , 2015, 373, e9.	27.0	9
122	Patient participation in free cataract surgery: a cross-sectional study of the low-income elderly in urban China. <i>BMJ Open</i> , 2016, 6, e011061.	1.9	9
123	Interocular anatomical and visual functional differences in pediatric patients with unilateral cataracts. <i>BMC Ophthalmology</i> , 2016, 16, 192.	1.4	9
124	Embryonic stem cell microenvironment suppresses the malignancy of cutaneous melanoma cells by downregulating PI3K/AKT pathway. <i>Cancer Medicine</i> , 2019, 8, 4265-4277.	2.8	9
125	Pharmacological Targeting of BET Bromodomains Inhibits Lens Fibrosis via Downregulation of MYC Expression. , 2019, 60, 4748.		9
126	The E3 Ligase PIAS1 Regulates p53 Sumoylation to Control Stress-Induced Apoptosis of Lens Epithelial Cells Through the Proapoptotic Regulator Bax. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660494.	3.7	9

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127	Femtosecond laser combined with non-chopping rotation phacoemulsification technique for soft-nucleus cataract surgery: a prospective study. <i>Scientific Reports</i> , 2016, 6, 18684.	3.3	8
128	Molecular signature for senile and complicated cataracts derived from analysis of sumoylation enzymes and their substrates in human cataract lenses. <i>Aging Cell</i> , 2020, 19, e13222.	6.7	8
129	Malformation of Tear Ducts Underlies the Epiphora and Precocious Eyelid Opening in Prickle 1 Mutant Mice: Genetic Implications for Tear Duct Genesis. , 2020, 61, 6.		8
130	Comparison of radius of anterior lens surface curvature measurements in vivo using the anterior segment optical coherence tomography and Scheimpflug imaging. <i>Annals of Translational Medicine</i> , 2020, 8, 177-177.	1.7	8
131	PPAR α and PPAR β modulate cAMP response element-binding protein (CREB) functions in aging control and stress response through de-regulation of β -crystallin gene and p300/p53 signaling axis. <i>Aging Cell</i> , 2021, 20, e13458.	6.7	8
132	The transcription factor CREB acts as an important regulator mediating oxidative stress-induced apoptosis by suppressing β -crystallin expression. <i>Aging</i> , 2020, 12, 13594-13617.	3.1	8
133	Real-world visual outcomes of cataract surgery based on population-based studies: a systematic review. <i>British Journal of Ophthalmology</i> , 2023, 107, 1056-1065.	3.9	8
134	Tmem138 is localized to the connecting cilium essential for rhodopsin localization and outer segment biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2109934119.	7.1	8
135	Direct induction of functional neuronal cells from fibroblast-like cells derived from adult human retina. <i>Stem Cell Research</i> , 2017, 23, 61-72.	0.7	7
136	Exploring the growth patterns of medical demand for eye care: a longitudinal hospital-level study over 10 years in China. <i>Annals of Translational Medicine</i> , 2020, 8, 1374-1374.	1.7	7
137	Characteristics and Risk Factors of Intraocular Lens Tilt and Decentration of Phacoemulsification After Pars Plana Vitrectomy. <i>Translational Vision Science and Technology</i> , 2021, 10, 26.	2.2	7
138	Safety and feasibility of subconjunctival injection of mesenchymal stem cells for acute severe ocular burns: A single-arm study. <i>Ocular Surface</i> , 2021, 22, 103-109.	4.4	7
139	Heterochromatin inhibits cGAS and STING during oxidative stress-induced retinal pigment epithelium and retina degeneration. <i>Free Radical Biology and Medicine</i> , 2022, 178, 147-160.	2.9	7
140	Prevalence and Determinants Associated With Spectacle-Wear Compliance in Aphakic Infants. <i>Translational Vision Science and Technology</i> , 2018, 7, 5.	2.2	6
141	Ocular surface pathogenesis associated with precocious eyelid opening and necrotic autologous tissue in mouse with disruption of Prickle 1 gene. <i>Experimental Eye Research</i> , 2019, 180, 208-225.	2.6	6
142	A decision aid to facilitate informed choices among cataract patients: A randomized controlled trial. <i>Patient Education and Counseling</i> , 2021, 104, 1295-1303.	2.2	6
143	Axial Length Change in Pseudophakic Eyes Measured by IOLMaster 700. <i>Translational Vision Science and Technology</i> , 2021, 10, 29.	2.2	6
144	Generation and Staging of Human Retinal Organoids Based on Self-Formed Ectodermal Autonomous Multi-Zone System. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 732382.	3.7	6

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145	Intraocular Lens-Shell Technique: Adjustment of the Surgical Procedure Leads to Greater Safety When Treating Dense Nuclear Cataracts. PLoS ONE, 2014, 9, e112663.	2.5	6
146	Association of OGG1 and MTHFR polymorphisms with age-related cataract: A systematic review and meta-analysis. PLoS ONE, 2017, 12, e0172092.	2.5	6
147	The Sumoylation Modulated Tumor Suppressor p53 Regulates Cell Cycle Checking Genes to Mediate Lens Differentiation. Current Molecular Medicine, 2019, 18, 556-565.	1.3	6
148	Prevalence, incidence, and risk factors for myopia among urban and rural children in southern China: protocol for a school-based cohort study. BMJ Open, 2021, 11, e049846.	1.9	6
149	Comprehensive 3D epigenomic maps define limbal stem/progenitor cell function and identity. Nature Communications, 2022, 13, 1293.	12.8	6
150	Stem Cells and Ocular Tissue Regeneration. Asia-Pacific Journal of Ophthalmology, 2013, 2, 111-118.	2.5	5
151	Dynamic response to initial stage blindness in visual system development. Clinical Science, 2017, 131, 1515-1527.	4.3	5
152	Using artificial intelligence to improve medical services in China. Annals of Translational Medicine, 2020, 8, 711-711.	1.7	5
153	Effect of a complex intervention to improve post-vision screening referral compliance among pre-school children in China: A cluster randomized clinical trial. EClinicalMedicine, 2020, 19, 100258.	7.1	5
154	Real-world big data demonstrates prevalence trends and developmental patterns of myopia in China: a retrospective, multicenter study. Annals of Translational Medicine, 2021, 9, 554-554.	1.7	5
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