

Yizhi Liu

List of Publications by Year in Descending Order

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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.

177
papers

3,168
citations

29
h-index

49
g-index

195
ext. papers

4,420
ext. citations

8.7
avg, IF

5.19
L-index

#	Paper	IF	Citations
177	MYPT1/PP1-Mediated EZH2 Dephosphorylation at S21 Promotes Epithelial-Mesenchymal Transition in Fibrosis through Control of Multiple Families of Genes.. <i>Advanced Science</i> , 2022 , e2105539	13.6	0
176	Comprehensive 3D epigenomic maps define limbal stem/progenitor cell function and identity.. <i>Nature Communications</i> , 2022 , 13, 1293	17.4	1
175	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	11.5	1
174	Identification of TPBG-Expressing Amacrine Cells in DAT-tdTomato Mouse. 2022 , 63, 13		
173	Heterochromatin inhibits cGAS and STING during oxidative stress-induced retinal pigment epithelium and retina degeneration. <i>Free Radical Biology and Medicine</i> , 2021 , 178, 147-160	7.8	1
172	Prevalence, incidence, and risk factors for myopia among urban and rural children in southern China: protocol for a school-based cohort study. <i>BMJ Open</i> , 2021 , 11, e049846	3	0
171	Structural variants in the Chinese population and their impact on phenotypes, diseases and population adaptation. <i>Nature Communications</i> , 2021 , 12, 6501	17.4	3
170	Defect of LSS Disrupts Lens Development in Cataractogenesis.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 788422	5.7	1
169	Incidence of Incision-Related Descemet Membrane Detachment Using Phacoemulsification With Trapezoid vs Conventional 2.2-mm Clear Corneal Incision: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2021 , 139, 1228-1234	3.9	1
168	Regeneration of Ganglion Cells for Vision Restoration in Mammalian Retinas. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 755544	5.7	4
167	Express Medicine-Potential for Home-Based Medical Care. <i>JAMA Ophthalmology</i> , 2021 , 139, 269-270	3.9	1
166	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,	11.5	6
165	Identification of an intraocular microbiota. <i>Cell Discovery</i> , 2021 , 7, 13	22.3	5
164	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. <i>Journal of Medical Internet Research</i> , 2021 , 23, e24316	7.6	11
163	Melatonin protects inner retinal neurons of newborn mice after hypoxia-ischemia. <i>Journal of Pineal Research</i> , 2021 , 71, e12716	10.4	7
162	Real-world big data demonstrates prevalence trends and developmental patterns of myopia in China: a retrospective, multicenter study. <i>Annals of Translational Medicine</i> , 2021 , 9, 554	3.2	1
161	Axial Length Change in Pseudophakic Eyes Measured by IOLMaster 700. <i>Translational Vision Science and Technology</i> , 2021 , 10, 29	3.3	0

160	Effect of High Myopia on Dynamic Changes of Anterior Angle After Pharmacologic Mydriasis in Cataract Patients: A SS-ASOCT Study. <i>Translational Vision Science and Technology</i> , 2021 , 10, 25	3.3	1
159	Generation of a homozygous CRISPR/Cas9-mediated knockout H9 hESC subline for the MERTK locus. <i>Stem Cell Research</i> , 2021 , 53, 102310	1.6	
158	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	5.7	3
157	Comparison of Visual Neuroadaptations After Multifocal and Monofocal Intraocular Lens Implantation. <i>Frontiers in Neuroscience</i> , 2021 , 15, 648863	5.1	2
156	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	5.8	9
155	Effectiveness of an Ophthalmic Hospital-Based Virtual Service during the COVID-19 Pandemic. <i>Ophthalmology</i> , 2021 , 128, 942-945	7.3	12
154	Autophagy inhibition attenuates TGF- β -induced epithelial-mesenchymal transition in lens epithelial cells. <i>Life Sciences</i> , 2021 , 265, 118741	6.8	6
153	A decision aid to facilitate informed choices among cataract patients: A randomized controlled trial. <i>Patient Education and Counseling</i> , 2021 , 104, 1295-1303	3.1	1
152	Core transcription regulatory circuitry orchestrates corneal epithelial homeostasis. <i>Nature Communications</i> , 2021 , 12, 420	17.4	6
151	Real-Time Imaging of Incision-Related Descemet Membrane Detachment During Cataract Surgery. <i>JAMA Ophthalmology</i> , 2021 , 139, 150-155	3.9	5
150	Microinvasive pars plana vitrectomy versus panretinal photocoagulation in the treatment of severe non-proliferative diabetic retinopathy (the VIP study): study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2021 , 11, e043371	3	
149	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	3.3	1
148	PP-1 β and PP-2A α modulate cAMP response element-binding protein (CREB) functions in aging control and stress response through de-regulation of B-crystallin gene and p300-p53 signaling axis. <i>Aging Cell</i> , 2021 , 20, e13458	9.9	1
147	Application of Comprehensive Artificial intelligence Retinal Expert (CARE) system: a national real-world evidence study. <i>The Lancet Digital Health</i> , 2021 , 3, e486-e495	14.4	9
146	Association of Allergic Conjunctivitis With Health-Related Quality of Life in Children and Their Parents. <i>JAMA Ophthalmology</i> , 2021 , 139, 830-837	3.9	1
145	Intraoperative Optical Coherence Tomography Guided Imaging of Incision-Site Descemet Membrane Dynamics During Phacoemulsification-Reply. <i>JAMA Ophthalmology</i> , 2021 , 139, 918	3.9	1
144	Properties Regulation and Biological Applications of Decellularized Peripheral Nerve Matrix Hydrogel.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6473-6487	4.1	0
143	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	5.7	0

142	Immune Cell Landscape of Patients With Diabetic Macular Edema by Single-Cell RNA Analysis. <i>Frontiers in Pharmacology</i> , 2021 , 12, 754933	5.6	0
141	Clinically Significant Intraocular Lens Decentration and Tilt in Highly Myopic Eyes: A Swept-Source Optical Coherence Tomography Study. <i>American Journal of Ophthalmology</i> , 2021 , 235, 46-55	4.9	3
140	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	6.5	2
139	Lens regeneration in humans: using regenerative potential for tissue repairing. <i>Annals of Translational Medicine</i> , 2020 , 8, 1544	3.2	5
138	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		3
137	Ontogenesis of the tear drainage system requires Prickle1-driven polarized basement membrane deposition. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	1
136	Accuracy of New Generation Intraocular Lens Calculation Formulas in Vitrectomized Eyes. <i>American Journal of Ophthalmology</i> , 2020 , 217, 81-90	4.9	11
135	Using inducible lentiviral vectors to generate induced pluripotent stem cell line ZOCi001-A from peripheral blood cells of a patient with CRB1 retinitis pigmentosa. <i>Stem Cell Research</i> , 2020 , 45, 101817	1.6	2
134	Patient-centred and economic effectiveness of a decision aid for patients with age-related cataract in China: study protocol of a randomised controlled trial. <i>BMJ Open</i> , 2020 , 10, e032242	3	2
133	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. <i>Nature Biomedical Engineering</i> , 2020 , 4, 767-777	19	20
132	Development of Highly Efficient Dual-AAV Split Adenosine Base Editor for In Vivo Gene Therapy. <i>Small Methods</i> , 2020 , 4, 2000309	12.8	12
131	Repurposing type I-F CRISPR-Cas system as a transcriptional activation tool in human cells. <i>Nature Communications</i> , 2020 , 11, 3136	17.4	17
130	D609 protects retinal pigmented epithelium as a potential therapy for age-related macular degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 20	21	7
129	Using artificial intelligence to improve medical services in China. <i>Annals of Translational Medicine</i> , 2020 , 8, 711	3.2	1
128	Application of artificial intelligence in anterior segment ophthalmic diseases: diversity and standardization. <i>Annals of Translational Medicine</i> , 2020 , 8, 714	3.2	8
127	Effect of a complex intervention to improve post-vision screening referral compliance among pre-school children in China: A cluster randomized clinical trial. <i>EClinicalMedicine</i> , 2020 , 19, 100258	11.3	4
126	Development and preliminary evaluation of a decision aid to support informed choice among patients with age-related cataract. <i>International Ophthalmology</i> , 2020 , 40, 1487-1499	2.2	0
125	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	2.9	6

124	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020 , 31, 862-877.e14	24.6	67
123	The transcription factor CREB acts as an important regulator mediating oxidative stress-induced apoptosis by suppressing B-crystallin expression. <i>Aging</i> , 2020 , 12, 13594-13617	5.6	3
122	Modified organized ophthalmology pre-internship in China. <i>Annals of Translational Medicine</i> , 2020 , 8, 1426	3.2	
121	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	6.4	6
120	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	7.8	9
119	A practical model for the identification of congenital cataracts using machine learning. <i>EBioMedicine</i> , 2020 , 51, 102621	8.8	12
118	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	2.1	4
117	Accuracy of intraocular lens power calculations in paediatric eyes. <i>Clinical and Experimental Ophthalmology</i> , 2020 , 48, 301-310	2.4	8
116	MiR-22-3p inhibits fibrotic cataract through inactivation of HDAC6 and increase of β tubulin acetylation. <i>Cell Proliferation</i> , 2020 , 53, e12911	7.9	4
115	The Structure of the Lens and Its Associations with the Visual Quality. <i>BMJ Open Ophthalmology</i> , 2020 , 5, e000459	3.2	9
114	Single-cell RNA cap and tail sequencing (scRCAT-seq) reveals subtype-specific isoforms differing in transcript demarcation. <i>Nature Communications</i> , 2020 , 11, 5148	17.4	5
113	Attitudes towards medical artificial intelligence talent cultivation: an online survey study. <i>Annals of Translational Medicine</i> , 2020 , 8, 708	3.2	10
112	Impact of cataract screening integrated into establishment of resident health record on surgical output in a rural area of south China. <i>Annals of Translational Medicine</i> , 2020 , 8, 1222	3.2	1
111	NLRP12- and NLRC4-mediated corneal epithelial pyroptosis is driven by GSDMD cleavage accompanied by IL-33 processing in dry eye. <i>Ocular Surface</i> , 2020 , 18, 783-794	6.5	15
110	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. <i>Nature Communications</i> , 2020 , 11, 3704	17.4	25
109	Profiles of intraocular higher-order aberrations in healthy phakic eyes: prospective cross-sectional study. <i>Annals of Translational Medicine</i> , 2020 , 8, 850	3.2	1
108	Generation of a homozygous CRISPR/Cas9-mediated knockout H9 hESC subline for the CRB1 locus. <i>Stem Cell Research</i> , 2020 , 49, 102057	1.6	2
107	Determinants of intraocular lens tilt and decentration after cataract surgery. <i>Annals of Translational Medicine</i> , 2020 , 8, 921	3.2	4

106	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	9.9	5
105	Artificial intelligence manages congenital cataract with individualized prediction and telehealth computing. <i>Npj Digital Medicine</i> , 2020 , 3, 112	15.7	12
104	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	3.2	0
103	Developmental characteristics of the cytokine profile in aqueous humor and its relationship with the inflammatory response in children. <i>Annals of Translational Medicine</i> , 2020 , 8, 1542	3.2	1
102	NLRP12 collaborates with NLRP3 and NLRC4 to promote pyroptosis inducing ganglion cell death of acute glaucoma. <i>Molecular Neurodegeneration</i> , 2020 , 15, 26	19	19
101	Comparison of radius of anterior lens surface curvature measurements using the anterior segment optical coherence tomography and Scheimpflug imaging. <i>Annals of Translational Medicine</i> , 2020 , 8, 177	3.2	6
100	Universal artificial intelligence platform for collaborative management of cataracts. <i>British Journal of Ophthalmology</i> , 2019 , 103, 1553-1560	5.5	46
99	The DNA Methylation Inhibitor Zebularine Controls CD4 T Cell Mediated Intraocular Inflammation. <i>Frontiers in Immunology</i> , 2019 , 10, 1950	8.4	10
98	Practical pattern of surgical timing of childhood cataract in China: A cross-sectional database study. <i>International Journal of Surgery</i> , 2019 , 62, 56-61	7.5	2
97	Embryonic stem cell microenvironment suppresses the malignancy of cutaneous melanoma cells by down-regulating PI3K/AKT pathway. <i>Cancer Medicine</i> , 2019 , 8, 4265-4277	4.8	6
96	Simultaneous Profiling of mRNA Transcriptome and DNA Methylome from a Single Cell. <i>Methods in Molecular Biology</i> , 2019 , 1979, 363-377	1.4	7
95	In vivo detecting mouse persistent hyperplastic primary vitreous by Spectralis Optical Coherence Tomography. <i>Experimental Eye Research</i> , 2019 , 181, 271-276	3.7	2
94	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	11.3	63
93	JNK1/βcatenin axis regulates HO-induced epithelial-to-mesenchymal transition in human lens epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 511, 336-342	3.4	7
92	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	3.7	2
91	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	10.6	8
90	Discrimination of the behavioural dynamics of visually impaired infants via deep learning. <i>Nature Biomedical Engineering</i> , 2019 , 3, 860-869	19	7
89	The anti-inflammatory effect of minocycline on endotoxin-induced uveitis and retinal inflammation in rats. <i>Molecular Vision</i> , 2019 , 25, 359-372	2.3	8

88	Pharmacological Targeting of BET Bromodomains Inhibits Lens Fibrosis via Downregulation of MYC Expression 2019 , 60, 4748-4758		4
87	Liu et al. reply. <i>Nature</i> , 2018 , 556, E3-E4	50.4	10
86	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	11.5	18
85	A homozygous mutation p.Arg2167Trp in FREM2 causes isolated cryptophthalmos. <i>Human Molecular Genetics</i> , 2018 , 27, 2357-2366	5.6	9
84	Visual Restoration after Cataract Surgery Promotes Functional and Structural Brain Recovery. <i>EBioMedicine</i> , 2018 , 30, 52-61	8.8	18
83	The immunoregulatory role of corneal epithelium-derived thrombospondin-1 in dry eye disease. <i>Ocular Surface</i> , 2018 , 16, 470-477	6.5	21
82	Wnt5a Contributes to the Differentiation of Human Embryonic Stem Cells into Lentoid Bodies Through the Noncanonical Wnt/JNK Signaling Pathway 2018 , 59, 3449-3460		4
81	Glutathione depletion induces ferroptosis, autophagy, and premature cell senescence in retinal pigment epithelial cells. <i>Cell Death and Disease</i> , 2018 , 9, 753	9.8	167
80	Alpha-1 Antitrypsin Attenuates M1 Microglia-Mediated Neuroinflammation in Retinal Degeneration. <i>Frontiers in Immunology</i> , 2018 , 9, 1202	8.4	14
79	Impairments of Visual Function and Ocular Structure in Patients With Unilateral Posterior Lens Opacity. <i>Translational Vision Science and Technology</i> , 2018 , 7, 9	3.3	1
78	A Spatiotemporal Requirement for Prickle 1-Mediated PCP Signaling in Eyelid Morphogenesis and Homeostasis 2018 , 59, 952-966		4
77	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	2.3	5
76	The Sumoylation Modulated Tumor Suppressor p53 Regulates Cell Cycle Checking Genes to Mediate Lens Differentiation. <i>Current Molecular Medicine</i> , 2018 , 18, 556-565	2.5	3
75	Analysis of Non-Sumoylated and Sumoylated Isoforms of Pax-6, the Master Regulator for Eye and Brain Development in Ocular Cell Lines. <i>Current Molecular Medicine</i> , 2018 , 18, 566-573	2.5	2
74	The Bromodomain and Extra-Terminal Protein Inhibitor OTX015 Suppresses T Helper Cell Proliferation and Differentiation. <i>Current Molecular Medicine</i> , 2018 , 18, 594-601	2.5	1
73	Determination of Expression Patterns of Seven De-sumoylation Enzymes in Major Ocular Cell Lines. <i>Current Molecular Medicine</i> , 2018 , 18, 584-593	2.5	2
72	Clinical characteristics of young adult cataract patients: a 10-year retrospective study of the Zhongshan Ophthalmic Center. <i>BMJ Open</i> , 2018 , 8, e020234	3	
71	Prevalence and Determinants Associated With Spectacle-Wear Compliance in Aphakic Infants. <i>Translational Vision Science and Technology</i> , 2018 , 7, 5	3.3	3

70	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	11.6	49
69	VEGF-B is a potent antioxidant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10351-10356	11.5	25
68	An artificial intelligence platform for the multihospital collaborative management of congenital cataracts. <i>Nature Biomedical Engineering</i> , 2017 , 1,	19	157
67	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	4.9	15
66	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	15.5	48
65	Comparison of sedation by intranasal dexmedetomidine and oral chloral hydrate for pediatric ophthalmic examination. <i>Paediatric Anaesthesia</i> , 2017 , 27, 629-636	1.8	25
64	Desiccating stress worsens alkali burn injury by magnifying caspase-8-induced imbalance of NLRP3 and NLRP6. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 1172-1176.e3	11.5	4
63	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	12.7	45
62	Dynamic response to initial stage blindness in visual system development. <i>Clinical Science</i> , 2017 , 131, 1515-1527	6.5	5
61	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	11.5	15
60	Ribosome Profiling Reveals Translational Upregulation of Cellular Oxidative Phosphorylation mRNAs during Vaccinia Virus-Induced Host Shutoff. <i>Journal of Virology</i> , 2017 , 91,	6.6	26
59	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	11.5	7
58	Inhibitory effect of pyrvinium pamoate on uveal melanoma cells involves blocking of Wnt/ β -catenin pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017 , 49, 890-898	2.8	11
57	Monitoring and Morphologic Classification of Pediatric Cataract Using Slit-Lamp-Adapted Photography. <i>Translational Vision Science and Technology</i> , 2017 , 6, 2	3.3	9
56	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	3.7	22
55	Height, weight and body mass index of children with congenital cataracts before surgical treatment. <i>BMC Ophthalmology</i> , 2017 , 17, 119	2.3	1
54	Proteomics analysis and proteogenomic characterization of different physiopathological human lenses. <i>BMC Ophthalmology</i> , 2017 , 17, 253	2.3	9
53	Global and cell-type specific properties of lincRNAs with ribosome occupancy. <i>Nucleic Acids Research</i> , 2017 , 45, 2786-2796	20.1	23

52	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	11.5	24
51	A miR-327-FGF10-FGFR2-mediated autocrine signaling mechanism controls white fat browning. <i>Nature Communications</i> , 2017 , 8, 2079	17.4	35
50	Direct induction of functional neuronal cells from fibroblast-like cells derived from adult human retina. <i>Stem Cell Research</i> , 2017 , 23, 61-72	1.6	5
49	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	20.1	83
48	Preoperative and postoperative measurements of retinal vessel oxygen saturation in patients with different grades of cataracts. <i>Acta Ophthalmologica</i> , 2017 , 95, e436-e442	3.7	7
47	The antihelminthic drug niclosamide effectively inhibits the malignant phenotypes of uveal melanoma and. <i>Theranostics</i> , 2017 , 7, 1447-1462	12.1	37
46	Association of OGG1 and MTHFR polymorphisms with age-related cataract: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2017 , 12, e0172092	3.7	4
45	Facing the challenges in ophthalmology clerkship teaching: Is flipped classroom the answer?. <i>PLoS ONE</i> , 2017 , 12, e0174829	3.7	43
44	RPFdb: a database for genome wide information of translated mRNA generated from ribosome profiling. <i>Nucleic Acids Research</i> , 2016 , 44, D254-8	20.1	37
43	Prevalence and epidemiological characteristics of congenital cataract: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2016 , 6, 28564	4.9	78
42	Visual Outcome and Related Factors in Bilateral Total Congenital Cataract Patients: A Prospective Cohort Study. <i>Scientific Reports</i> , 2016 , 6, 31307	4.9	9
41	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. <i>Nature Communications</i> , 2016 , 7, 12152	17.4	55
40	CXXC finger protein 1 is critical for T-cell intrathymic development through regulating H3K4 trimethylation. <i>Nature Communications</i> , 2016 , 7, 11687	17.4	21
39	Interocular anatomical and visual functional differences in pediatric patients with unilateral cataracts. <i>BMC Ophthalmology</i> , 2016 , 16, 192	2.3	6
38	Lens regeneration using endogenous stem cells with gain of visual function. <i>Nature</i> , 2016 , 531, 323-8	50.4	125
37	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	3.7	21
36	The small heat shock protein α -crystallin negatively regulates pancreatic tumorigenesis. <i>Oncotarget</i> , 2016 , 7, 65808-65824	3.3	5
35	Fasudil inhibits LPS-induced migration of retinal microglial cells via regulating p38-MAPK signaling pathway. <i>Molecular Vision</i> , 2016 , 22, 836-46	2.3	1

34	A Novel Congenital Cataract Category System Based on Lens Opacity Locations and Relevant Anterior Segment Characteristics 2016 , 57, 6389-6395		16
33	Distribution of Axial Length before Cataract Surgery in Chinese Pediatric Patients. <i>Scientific Reports</i> , 2016 , 6, 23862	4.9	12
32	Femtosecond laser combined with non-chopping rotation phacoemulsification technique for soft-nucleus cataract surgery: a prospective study. <i>Scientific Reports</i> , 2016 , 6, 18684	4.9	5
31	Prevalence of Corneal Astigmatism and Anterior Segmental Biometry Characteristics Before Surgery in Chinese Congenital Cataract Patients. <i>Scientific Reports</i> , 2016 , 6, 22092	4.9	14
30	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	3	5
29	Who will be wielding the lancet for China's patients in the future?. <i>Lancet, The</i> , 2016 , 388, 1952-1954	4.0	9
28	Lanosterol reverses protein aggregation in cataracts. <i>Nature</i> , 2015 , 523, 607-11	50.4	242
27	Quantitative analysis of injury-induced anterior subcapsular cataract in the mouse: a model of lens epithelial cells proliferation and epithelial-mesenchymal transition. <i>Scientific Reports</i> , 2015 , 5, 8362	4.9	29
26	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015 , 59, 931-40	17.6	39
25	Safety of Spectacles for Children's Vision: A Cluster-Randomized Controlled Trial. <i>American Journal of Ophthalmology</i> , 2015 , 160, 897-904	4.9	32
24	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	11.5	24
23	VIDEOS IN CLINICAL MEDICINE. Examination of the Retina. <i>New England Journal of Medicine</i> , 2015 , 373, e9	59.2	5
22	Documenting rare disease data in China. <i>Science</i> , 2015 , 349, 1064	33.3	25
21	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	4.9	61
20	Invasiveness and metastasis of retinoblastoma in an orthotopic zebrafish tumor model. <i>Scientific Reports</i> , 2015 , 5, 10351	4.9	29
19	Capsular Outcomes Differ with Capsulorhexis Sizes after Pediatric Cataract Surgery: A Randomized Controlled Trial. <i>Scientific Reports</i> , 2015 , 5, 16227	4.9	10
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17	UPR Activation and the Down-Regulation of β Crystallin in Human High Myopia-Related Cataract Lens Epithelium. <i>PLoS ONE</i> , 2015 , 10, e0137582	3.7	12

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15	Cataract. <i>Nature Reviews Disease Primers</i> , 2015 , 1, 15014	51.1	36
14	Expression of Cytokines, Chemokines and Growth Factors in Patients Undergoing Cataract Surgery with Femtosecond Laser Pretreatment. <i>PLoS ONE</i> , 2015 , 10, e0137227	3.7	15
13	10-Year Overview of the Hospital-Based Prevalence and Treatment of Congenital Cataracts: The CCPMOH Experience. <i>PLoS ONE</i> , 2015 , 10, e0142298	3.7	18
12	Trichostatin A, a histone deacetylase inhibitor, suppresses proliferation and epithelial-mesenchymal transition in retinal pigment epithelium cells. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 646-55	5.6	54
11	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014 , 511, 358-61	50.4	148
10	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, 14806-11	11.5	21
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7	The complex interplay between ERK1/2, TGF β /Smad, and Jagged/Notch signaling pathways in the regulation of epithelial-mesenchymal transition in retinal pigment epithelium cells. <i>PLoS ONE</i> , 2014 , 9, e96365	3.7	39
6	Congenital cataract: prevalence and surgery age at Zhongshan Ophthalmic Center (ZOC). <i>PLoS ONE</i> , 2014 , 9, e101781	3.7	23
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4	Stem Cells and Ocular Tissue Regeneration. <i>Asia-Pacific Journal of Ophthalmology</i> , 2013 , 2, 111-8	3.5	5
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