

# Xinghuai Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4521356/publications.pdf>

Version: 2024-02-01

216  
papers

4,301  
citations

201674

27  
h-index

223800

46  
g-index

231  
all docs

231  
docs citations

231  
times ranked

4644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Serum complement component 3, complement component 4 and complement component 1q levels predict progressive visual field loss in older women with primary angle closure glaucoma. <i>British Journal of Ophthalmology</i> , 2023, 107, 828-835.	3.9	6
2	Retinal Ganglion Cell Death in Glaucoma: Advances and Caveats. <i>Current Eye Research</i> , 2023, 48, 1-10.	1.5	7
3	Polymorphisms of the cytomegalovirus glycoprotein B genotype in patients with Posner-Schlossman syndrome. <i>British Journal of Ophthalmology</i> , 2022, 106, 1240-1244.	3.9	5
4	Anterior Lens Curvature Matters in the Course of Primary Angle Closure: An Analysis Based on Ultrasound Biomicroscopic Imaging. <i>Journal of Ophthalmology</i> , 2022, 2022, 1-8.	1.3	0
5	Cancer-associated retinopathy after anti-programmed death 1 (PD-1) antibody for treating hepatocellular carcinoma—a case report of a Chinese patient. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 25, 101370.	0.7	5
6	Sustained release of brimonidine from BRI@SR@TPU implant for treatment of glaucoma. <i>Drug Delivery</i> , 2022, 29, 613-623.	5.7	8
7	Anxiety and depression in Chinese patients with glaucoma and its correlations with vision-related quality of life and visual function indices: a cross-sectional study. <i>BMJ Open</i> , 2022, 12, e046194.	1.9	10
8	Optical coherence tomography analysis of anterior segment parameters before and after laser peripheral iridotomy in primary angle-closure suspects by using CASIA2. <i>BMC Ophthalmology</i> , 2022, 22, 144.	1.4	7
9	Single-Cell RNA-Seq Reveals the Cellular Diversity and Developmental Characteristics of the Retinas of an Infant and a Young Child. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 803466.	3.7	3
10	Comparison of the clinical and genetic features of autosomal dominant optic atrophy and normal tension glaucoma in young Chinese adults. <i>Eye</i> , 2022, , .	2.1	0
11	Construction of a mouse model of Posner-Schlossman syndrome by anterior chamber infection with cytomegalovirus. <i>Experimental Eye Research</i> , 2022, 218, 109009.	2.6	2
12	Metabolomics in Primary Open Angle Glaucoma: A Systematic Review and Meta-Analysis. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	8
13	Platelet Parameters and Their Relationships With the Thickness of the Retinal Nerve Fiber Layer and Ganglion Cell Complex in Primary Open-Angle Glaucoma. <i>Frontiers in Neurology</i> , 2022, 13, 867465.	2.4	0
14	Metabolic alterations in the visual pathway of retinitis pigmentosa rats: A longitudinal multimodal magnetic resonance imaging study with histopathological validation. <i>NMR in Biomedicine</i> , 2022, 35, .	2.8	3
15	Association Between Ocular Biomechanics Measured With Corvis ST and Glaucoma Severity in Patients With Untreated Primary Open Angle Glaucoma. <i>Translational Vision Science and Technology</i> , 2022, 11, 10.	2.2	7
16	Association between Serum Potassium with Risk of Onset and Visual Field Progression in Patients with Primary Angle Close Glaucoma: A Cross-Sectional and Prospective Cohort Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-12.	4.0	0
17	Automatic Classification of Anterior Chamber Angle Based on Ultrasound Biomicroscopy Images. <i>Ophthalmic Research</i> , 2021, 64, 732-739.	1.9	2
18	Clinical features of microvasculature in subzones of parapapillary atrophy in myopic eyes: an OCT-angiography study. <i>Eye</i> , 2021, 35, 455-463.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Changes in corneal biomechanics during pregnancy in Chinese healthy female. <i>European Journal of Ophthalmology</i> , 2021, 31, 361-366.	1.3	5
20	Altered spontaneous neuronal activity and functional connectivity pattern in primary angle-closure glaucoma: a resting-state fMRI study. <i>Neurological Sciences</i> , 2021, 42, 243-251.	1.9	13
21	TNF $\alpha$ activates MAPK and Jak-Stat pathways to promote mouse M $\mu$ ller cell proliferation. <i>Experimental Eye Research</i> , 2021, 202, 108353.	2.6	14
22	SARS-CoV-2 receptor ACE2 is expressed in human conjunctival tissue, especially in diseased conjunctival tissue. <i>Ocular Surface</i> , 2021, 19, 249-251.	4.4	30
23	Airborne particulate matter (PM2.5) triggers cornea inflammation and pyroptosis via NLRP3 activation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111306.	6.0	54
24	Quantification of Retinal Microvascular Density Using Optic Coherence Tomography Angiography in Primary Angle Closure Disease. <i>Current Eye Research</i> , 2021, 46, 1018-1024.	1.5	10
25	Nicotinamide ameliorates energy deficiency and improves retinal function in Cav $\alpha$ 1 <sup>-/-</sup> mice. <i>Journal of Neurochemistry</i> , 2021, 157, 550-560.	3.9	8
26	Prolonged use of nitric oxide donor sodium nitroprusside induces ocular hypertension in mice. <i>Experimental Eye Research</i> , 2021, 202, 108280.	2.6	11
27	Mean amplitude of intraocular pressure excursions: a new assessment parameter for 24-h pressure fluctuations in glaucoma patients. <i>Eye</i> , 2021, 35, 326-333.	2.1	4
28	Neutrophil-To-Lymphocyte Ratio as a Potential Biomarker of Neovascular Glaucoma. <i>Ocular Immunology and Inflammation</i> , 2021, 29, 417-424.	1.8	19
29	Airborne particulate matter (PM2.5) triggers ocular hypertension and glaucoma through pyroptosis. <i>Particle and Fibre Toxicology</i> , 2021, 18, 10.	6.2	49
30	Etiologies and clinical characteristics of young patients with angle-closure glaucoma: a 15-year single-center retrospective study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 2379-2387.	1.9	13
31	24-h intraocular pressure patterns measured by Icare PRO rebound in habitual position of open-angle glaucoma eyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 2327-2335.	1.9	1
32	Metabolomic Profiling of Aqueous Humor and Plasma in Primary Open Angle Glaucoma Patients Points Towards Novel Diagnostic and Therapeutic Strategy. <i>Frontiers in Pharmacology</i> , 2021, 12, 621146.	3.5	25
33	Agreement of Optic Nerve Head Evaluation of Primary Open-Angle Glaucoma Between General Ophthalmologists and Glaucoma Specialists. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 1815-1822.	2.5	1
34	Teaching Video NeuroImages: Papilledema and Cavernous Sinus Fistula Caused by Occipital Dural Arteriovenous Malformation in a Postoperative Laryngeal Cancer Patient. <i>Neurology</i> , 2021, 97, 10.1212/WNL.00000000000012267.	1.1	1
35	Automatic Anterior Chamber Angle Classification Using Deep Learning System and Anterior Segment Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , 2021, 10, 19.	2.2	10
36	Measurement of Iris Thickness at Different Regions in Healthy Chinese Adults. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-7.	1.3	4

#	ARTICLE	IF	CITATIONS
37	A Novel Hierarchical Deep Learning Framework for Diagnosing Multiple Visual Impairment Diseases in the Clinical Environment. <i>Frontiers in Medicine</i> , 2021, 8, 654696.	2.6	3
38	Role of amyloid $\beta$ -peptide in the pathogenesis of age-related macular degeneration. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000774.	1.6	10
39	Effect of Nimodipine on Macular and Peripapillary Capillary Vessel Density in Patients with Normal-tension Glaucoma Using Optical Coherence Tomography Angiography. <i>Current Eye Research</i> , 2021, 46, 1861-1866.	1.5	4
40	Change of Retinal Vessels in Different Sectors of the Parapapillary Area in Primary Open-Angle Glaucoma. <i>Frontiers in Medicine</i> , 2021, 8, 705829.	2.6	1
41	Clinical characteristics of optic neuritis phenotypes in a 3-year follow-up Chinese cohort. <i>Scientific Reports</i> , 2021, 11, 14603.	3.3	9
42	Association of Ocular Surface Diseases With SARS-CoV-2 Infection in Six Districts of China: An Observational Cohort Study. <i>Frontiers in Immunology</i> , 2021, 12, 695428.	4.8	1
43	Soluble tumor necrosis factor-alpha-induced hyperexcitability contributes to retinal ganglion cell apoptosis by enhancing Nav1.6 in experimental glaucoma. <i>Journal of Neuroinflammation</i> , 2021, 18, 182.	7.2	18
44	Mechanical Strain Regulates Myofibroblast Differentiation of Human Scleral Fibroblasts by YAP. <i>Frontiers in Physiology</i> , 2021, 12, 712509.	2.8	13
45	Inhibiting corneal neovascularization by sustainably releasing anti-VEGF and anti-inflammation drugs from silica-thermogel nanohybrids. <i>Materials Science and Engineering C</i> , 2021, 128, 112274.	7.3	15
46	Endogenous dual stimuli-activated NO generation in the conventional outflow pathway for precision glaucoma therapy. <i>Biomaterials</i> , 2021, 277, 121074.	11.4	14
47	Green Tea Catechins Attenuate Human Primary Pterygium Cell Survival and Migration Via Modulation of ERK p42/p44 and p38 Pathways. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12209-12218.	5.2	5
48	Recent progress in optical clearing of eye tissues. <i>Experimental Eye Research</i> , 2021, 212, 108796.	2.6	3
49	Magnetic resonance imaging investigations reveal that PM2.5 exposure triggers visual dysfunction in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112866.	6.0	4
50	Oculomotor Nerve Palsy Due to Unusual Causes. <i>Journal of Neuro-Ophthalmology</i> , 2021, 41, e244-e250.	0.8	3
51	Heterogeneity of Axenfeld-Rieger Syndrome: Molecular and Clinical Findings in Chinese Patients. <i>Frontiers in Genetics</i> , 2021, 12, 732170.	2.3	2
52	Association of systemic inflammation indices with visual field loss progression in patients with primary angle-closure glaucoma: potential biomarkers for 3P medical approaches. <i>EPMA Journal</i> , 2021, 12, 659-675.	6.1	19
53	Gonioscopy-assisted transluminal trabeculotomy versus goniotomy with Kahook dual blade in patients with uncontrolled juvenile open-angle glaucoma: a retrospective study. <i>BMC Ophthalmology</i> , 2021, 21, 395.	1.4	20
54	TRPV4-induced M $\alpha$ ller cell gliosis and TNF- $\beta$ elevation-mediated retinal ganglion cell apoptosis in glaucomatous rats via JAK2/STAT3/NF- $\kappa$ B pathway. <i>Journal of Neuroinflammation</i> , 2021, 18, 271.	7.2	36

#	ARTICLE	IF	CITATIONS
55	The Application of Nitric Oxide for Ocular Hypertension Treatment. <i>Molecules</i> , 2021, 26, 7306.	3.8	3
56	Lifetime exposure of ambient PM2.5 elevates intraocular pressure in young mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112963.	6.0	4
57	Single cell atlas for 11 non-model mammals, reptiles and birds. <i>Nature Communications</i> , 2021, 12, 7083.	12.8	32
58	Association Between Sex Hormones and Visual Field Progression in Women With Primary Open Angle Glaucoma: A Cross-Sectional and Prospective Cohort Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 756186.	3.4	8
59	Retinal Microvascular Reactivity in Chronic Cigarette Smokers and Non-smokers: An Observational Cross-Sectional Study. <i>Frontiers in Medicine</i> , 2021, 8, 782010.	2.6	2
60	Screening and Functional Analysis of TEK Mutations in Chinese Children With Primary Congenital Glaucoma. <i>Frontiers in Genetics</i> , 2021, 12, 764509.	2.3	7
61	Loss and enhancement of layer-selective signals in geniculostriate and corticotectal pathways of adult human amblyopia. <i>Cell Reports</i> , 2021, 37, 110117.	6.4	9
62	Automatic Anterior Chamber Angle Measurement for Ultrasound Biomicroscopy Using Deep Learning. <i>Journal of Glaucoma</i> , 2020, 29, 81-85.	1.6	12
63	Immediate Changes in Peripapillary Retinal Vasculature after Intraocular Pressure Elevation -an Optical Coherence Tomography Angiography Study. <i>Current Eye Research</i> , 2020, 45, 749-756.	1.5	12
64	Fluorescent aptasensor based on G-quadruplex-assisted structural transformation for the detection of biomarker lipocalin 1. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112607.	10.1	15
65	The changes of corneal biomechanical properties with long-term treatment of prostaglandin analogue measured by Corvis ST. <i>BMC Ophthalmology</i> , 2020, 20, 422.	1.4	15
66	The small molecule inhibitor PR-619 protects retinal ganglion cells against glutamate excitotoxicity. <i>NeuroReport</i> , 2020, 31, 1134-1141.	1.2	6
67	miR-21-5p: A viable therapeutic strategy for regulating intraocular pressure. <i>Experimental Eye Research</i> , 2020, 200, 108197.	2.6	12
68	Consistency between optical coherence tomography and humphrey visual field for evaluating glaucomatous defects in high myopic eyes. <i>BMC Ophthalmology</i> , 2020, 20, 460.	1.4	6
69	Association of 24-Hour Intraocular Pressure Fluctuation With Corneal Hysteresis and Axial Length in Untreated Chinese Primary Open-Angle Glaucoma Patients. <i>Translational Vision Science and Technology</i> , 2020, 9, 25.	2.2	8
70	Therapeutic Targeting of Retinal Immune Microenvironment With CSF-1 Receptor Antibody Promotes Visual Function Recovery After Ischemic Optic Neuropathy. <i>Frontiers in Immunology</i> , 2020, 11, 585918.	4.8	16
71	Impact of Visual Field Testing on Intraocular Pressure Change Trends in Healthy People and Glaucoma Patients. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-6.	1.3	3
72	The evaluation of juvenile ocular hypertension by optical coherence tomography angiography. <i>BMC Ophthalmology</i> , 2020, 20, 423.	1.4	7

#	ARTICLE	IF	CITATIONS
73	Microscope-integrated Intraoperative Optical Coherence Tomography for Anterior Segment Surgical Maneuvers. <i>Translational Vision Science and Technology</i> , 2020, 9, 18.	2.2	5
74	Relationship between Oxidative Stress Biomarkers and Visual Field Progression in Patients with Primary Angle Closure Glaucoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	4.0	22
75	Neurosarcoidosis presenting as CRVO combined CRAO: a biopsy-proven case report of a Chinese patient. <i>BMC Ophthalmology</i> , 2020, 20, 348.	1.4	2
76	Transient receptor potential vanilloid four channels modulate inhibitory inputs through differential regulation of GABA and glycine receptors in rat retinal ganglion cells. <i>FASEB Journal</i> , 2020, 34, 14521-14538.	0.5	5
77	<p>Evaluation of Routine Health Examination for Screening Primary Open Angle Glaucoma in Eastern China: A Hospital-Based Cross-Sectional Study</p>. <i>Risk Management and Healthcare Policy</i> , 2020, Volume 13, 883-892.	2.5	2
78	Comparison of Intraocular Antibody Measurement, Quantitative Pathogen PCR, and Metagenomic Deep Sequencing of Aqueous Humor in Secondary Glaucoma Associated with Anterior Segment Uveitis. <i>Ocular Immunology and Inflammation</i> , 2020, , 1-7.	1.8	6
79	An Intelligent Optical Coherence Tomography-based System for Pathological Retinal Cases Identification and Urgent Referrals. <i>Translational Vision Science and Technology</i> , 2020, 9, 46.	2.2	9
80	Circular RNA Expression Profiling Identifies Glaucoma-Related Circular RNAs in Various Chronic Ocular Hypertension Rat Models. <i>Frontiers in Genetics</i> , 2020, 11, 556712.	2.3	15
81	Microbiological Isolates and Antibiotic Susceptibilities in Cases of Posttraumatic Endophthalmitis: A 15-Year Review. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-6.	1.3	5
82	Immediate Impact of Acute Elevation of Intraocular Pressure on Cortical Visual Motion Processing. , 2020, 61, 59.		4
83	Retrospective case-control data of serum nitrotyrosine level and clinical biomedical indices in primary glaucoma patients. <i>Data in Brief</i> , 2020, 31, 105706.	1.0	3
84	Recent developments in regenerative ophthalmology. <i>Science China Life Sciences</i> , 2020, 63, 1450-1490.	4.9	7
85	The Dynamic Scleral Extracellular Matrix Alterations in Chronic Ocular Hypertension Model of Rats. <i>Frontiers in Physiology</i> , 2020, 11, 682.	2.8	6
86	Associations between Blood Cell Profiles and Primary Open-Angle Glaucoma: A Retrospective Case-Control Study. <i>Ophthalmic Research</i> , 2020, 63, 413-422.	1.9	26
87	Group II metabotropic glutamate receptor agonist promotes retinal ganglion cell survival by reducing neuronal excitotoxicity in a rat chronic ocular hypertension model. <i>Neuropharmacology</i> , 2020, 170, 108016.	4.1	8
88	Pseudotumour Cerebri Syndrome in China: A Cohort Study. <i>Scientific Reports</i> , 2020, 10, 1222.	3.3	4
89	Association Between 17-β-Estradiol and Interleukin-8 and Visual Field Progression in Postmenopausal Women with Primary Angle Closure Glaucoma. <i>American Journal of Ophthalmology</i> , 2020, 217, 55-67.	3.3	20
90	Peroxynitrite is a novel risk factor and treatment target of glaucoma. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 99, 17-24.	2.7	12

#	ARTICLE	IF	CITATIONS
91	Exendin-4, a GLP-1 receptor agonist regulates retinal capillary tone and restores microvascular patency after ischaemia-reperfusion injury. <i>British Journal of Pharmacology</i> , 2020, 177, 3389-3402.	5.4	19
92	The Clinical Features and Genetic Spectrum of a Large Cohort of Chinese Patients With Vitelliform Macular Dystrophies. <i>American Journal of Ophthalmology</i> , 2020, 216, 69-79.	3.3	10
93	Feasibility of microscope-integrated swept-source optical coherence tomography in canaloplasty. <i>Annals of Translational Medicine</i> , 2020, 8, 1577-1577.	1.7	1
94	Cell senescence altered the miRNA expression profile in porcine angular aqueous plexus cells. <i>Molecular Vision</i> , 2020, 26, 76-90.	1.1	0
95	Green Tea Extract Ameliorates Ischemia-Induced Retinal Ganglion Cell Degeneration in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	4.0	27
96	Relationship between ocular biometry and severity of primary angle-closure glaucoma: relevance for predictive, preventive, and personalized medicine. <i>EPMA Journal</i> , 2019, 10, 261-271.	6.1	14
97	Efficacy And Safety Of Travoprost Versus Timolol To Treat Early-Onset Ocular Hypertension Secondary To Vitrectomy: A Randomized Trial. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 3453-3463.	4.3	2
98	Automatic Classification of Anterior Chamber Angle Using Ultrasound Biomicroscopy and Deep Learning. <i>Translational Vision Science and Technology</i> , 2019, 8, 25.	2.2	16
99	NOS3 Deletion in Cav1 Deficient Mice Decreases Drug Sensitivity to a Nitric Oxide Donor and Two Nitric Oxide Synthase Inhibitors. , 2019, 60, 4002.		2
100	Association between Platelet Parameters and Glaucoma Severity in Primary Open-Angle Glaucoma. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-9.	1.3	11
101	Impact of acute intraocular pressure elevation on the visual acuity of non-human primates. <i>EBioMedicine</i> , 2019, 44, 554-562.	6.1	11
102	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. <i>Genetics in Medicine</i> , 2019, 21, 2345-2354.	2.4	16
103	Intereye and intraeye asymmetry analysis of retinal microvascular and neural structure parameters for diagnosis of primary open-angle glaucoma. <i>Eye</i> , 2019, 33, 1596-1605.	2.1	5
104	Association between Pretreatment Serum Uric Acid Levels and Progression of Newly Diagnosed Primary Angle-Closure Glaucoma: A Prospective Cohort Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	4.0	7
105	COL11A1 Polymorphisms Are Associated with Primary Angle-Closure Glaucoma Severity. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-7.	1.3	10
106	Integrated Tear Proteome and Metabolome Reveal Panels of Inflammatory-Related Molecules via Key Regulatory Pathways in Dry Eye Syndrome. <i>Journal of Proteome Research</i> , 2019, 18, 2321-2330.	3.7	30
107	Manganese-enhanced magnetic resonance imaging in the whole visual pathway: chemical identification and neurotoxic changes. <i>Acta Radiologica</i> , 2019, 60, 1653-1662.	1.1	2
108	The Association of Oxidative Stress Status with Open-Angle Glaucoma and Exfoliation Glaucoma: A Systematic Review and Meta-Analysis. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-14.	1.3	29

#	ARTICLE	IF	CITATIONS
109	Vision-related Quality of Life in Glaucoma Patients and its Correlations With Psychological Disturbances and Visual Function Indices. <i>Journal of Glaucoma</i> , 2019, 28, 207-215.	1.6	21
110	Genome-wide analysis identified 17 new loci influencing intraocular pressure in Chinese population. <i>Science China Life Sciences</i> , 2019, 62, 153-164.	4.9	24
111	Digital droplet polymerase chain reaction analysis of common viruses in the aqueous humour of patients with Posner's Schlossman syndrome in Chinese population. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 513-520.	2.6	17
112	Activation of 5-HT1A Receptors Promotes Retinal Ganglion Cell Function by Inhibiting the cAMP-PKA Pathway to Modulate Presynaptic GABA Release in Chronic Glaucoma. <i>Journal of Neuroscience</i> , 2019, 39, 1484-1504.	3.6	32
113	Association of serum uric acid levels with primary open-angle glaucoma: a 5-year case-control study. <i>Acta Ophthalmologica</i> , 2019, 97, e356-e363.	1.1	20
114	Metabolomics of the aqueous humor in patients with primary congenital glaucoma. <i>Molecular Vision</i> , 2019, 25, 489-501.	1.1	7
115	Clinical Characteristics of Pediatric Optic Neuritis With Myelin Oligodendrocyte Glycoprotein Seropositive: A Cohort Study. <i>Pediatric Neurology</i> , 2018, 83, 42-49.	2.1	42
116	Comparison of retinal microvascular changes in eyes with high-tension glaucoma or normal-tension glaucoma: a quantitative optic coherence tomography angiographic study. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1179-1186.	1.9	46
117	Overexpression of parkin protects retinal ganglion cells in experimental glaucoma. <i>Cell Death and Disease</i> , 2018, 9, 88.	6.3	54
118	Reduced Retinal Vessel Density in Primary Angle Closure Glaucoma: A Quantitative Study Using Optical Coherence Tomography Angiography. <i>Journal of Glaucoma</i> , 2018, 27, 322-327.	1.6	35
119	Traumatic Cataract in Children in Eastern China: Shanghai Pediatric Cataract Study. <i>Scientific Reports</i> , 2018, 8, 2588.	3.3	20
120	MiR-93-5p targeting PTEN regulates the NMDA-induced autophagy of retinal ganglion cells via AKT/mTOR pathway in glaucoma. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 1-7.	5.6	56
121	Comparative analysis of retinal ganglion cell damage in three glaucomatous rat models. <i>Experimental Eye Research</i> , 2018, 172, 112-122.	2.6	25
122	Microvascular Network and Its Endothelial Cells in the Human Iris. <i>Current Eye Research</i> , 2018, 43, 67-76.	1.5	9
123	Clinical characteristics of myelin oligodendrocyte glycoprotein seropositive optic neuritis: a cohort study in Shanghai, China. <i>Journal of Neurology</i> , 2018, 265, 33-40.	3.6	74
124	Lack of Association of rs1192415 in TGFBR3-CDC7 With Visual Field Progression: A Cohort Study in Chinese Open Angle Glaucoma Patients. <i>Frontiers in Genetics</i> , 2018, 9, 488.	2.3	15
125	Decreased Serum Levels of Complement C3 Reflect Complement System Dysregulation in Patients With Primary Open-angle Glaucoma: Results From a Pilot Study. <i>Journal of Glaucoma</i> , 2018, 27, 761-768.	1.6	15
126	Local Delivery and Sustained Release of Nitric Oxide Donor Loaded in Mesoporous Silica Particles for Efficient Treatment of Primary Open-Angle Glaucoma. <i>Advanced Healthcare Materials</i> , 2018, 7, e1801047.	7.6	47



#	ARTICLE	IF	CITATIONS
127	Overexpression of Optic Atrophy Type 1 Protects Retinal Ganglion Cells and Upregulates Parkin Expression in Experimental Glaucoma. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 350.	2.9	28
128	What Are the Characteristics of Primary Angle Closure With Longer Axial Length?. , 2018, 59, 1354.		10
129	Age-Related Changes in Human Schlemm's Canal: An in Vivo Optical Coherence Tomography-Based Study. <i>Frontiers in Physiology</i> , 2018, 9, 630.	2.8	8
130	Mechanical Strain Induces Distinct Human Scleral Fibroblast Lineages: Differential Roles in Cell Proliferation, Apoptosis, Migration, and Differentiation. , 2018, 59, 2401.		10
131	Asiatic Acid Prevents Retinal Ganglion Cell Apoptosis in a Rat Model of Glaucoma. <i>Frontiers in Neuroscience</i> , 2018, 12, 489.	2.8	20
132	White Matter Abnormalities and Correlation With Severity in Normal Tension Glaucoma: A Whole Brain Atlas-Based Diffusion Tensor Study. , 2018, 59, 1313.		32
133	Effect of Repeated Freeze-Thaw on Serum Biomarkers Associated with Eye Disease. <i>Medical Science Monitor</i> , 2018, 24, 4481-4488.	1.1	3
134	Differences between fellow eyes of acute and chronic primary angle closure (glaucoma): An ultrasound biomicroscopy quantitative study. <i>PLoS ONE</i> , 2018, 13, e0193006.	2.5	18
135	Neovascular glaucoma: Handling in the future. <i>Taiwan Journal of Ophthalmology</i> , 2018, 8, 60.	0.7	19
136	Microbiological Isolates and Antibiotic Susceptibilities: A 10-Year Review of Culture-Proven Endophthalmitis Cases. <i>Current Eye Research</i> , 2017, 42, 443-447.	1.5	36
137	Peripapillary retinal vessel density in eyes with acute primary angle closure: an optical coherence tomography angiography study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1013-1018.	1.9	45
138	Sustained Release of Brimonidine from a New Composite Drug Delivery System for Treatment of Glaucoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7990-7999.	8.0	74
139	Visual cortex and auditory cortex activation in early binocularly blind macaques: A BOLD-fMRI study using auditory stimuli. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 796-801.	2.1	4
140	Evaluation of changes in magnetic resonance diffusion tensor imaging of the bilateral optic tract in monocular blind rats. <i>International Journal of Developmental Neuroscience</i> , 2017, 59, 10-14.	1.6	2
141	Optimising keratoplasty for Peters' anomaly in infants using spectral-domain optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2017, 101, 820-827.	3.9	12
142	High-resolution transbulbar ultrasonography helping differentiate intracranial hypertension in bilateral optic disc oedema patients. <i>Acta Ophthalmologica</i> , 2017, 95, e481-e485.	1.1	11
143	Manganese-enhanced MR imaging (MEMRI) combined with electrophysiology in the study of cross-modal plasticity in binocularly blind rats. <i>International Journal of Developmental Neuroscience</i> , 2017, 61, 12-20.	1.6	2
144	Metabolic Changes in the Bilateral Visual Cortex of the Monocular Blind Macaque: A Multi-Voxel Proton Magnetic Resonance Spectroscopy Study. <i>Neurochemical Research</i> , 2017, 42, 697-708.	3.3	1

#	ARTICLE	IF	CITATIONS
145	Manganese-enhanced MRI (MEMRI) in evaluation of the auditory pathway in an experimental rat model. <i>NMR in Biomedicine</i> , 2017, 30, e3677.	2.8	4
146	Primary angle closure glaucoma: What we know and what we don't know. <i>Progress in Retinal and Eye Research</i> , 2017, 57, 26-45.	15.5	256
147	Sustained subconjunctival delivery of cyclosporine A using thermogelling polymers for glaucoma filtration surgery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6400-6411.	5.8	34
148	Association between coagulation function and patients with primary angle closure glaucoma: a 5-year retrospective case-control study. <i>BMJ Open</i> , 2017, 7, e016719.	1.9	8
149	The diagnostic value of white blood cell, neutrophil, neutrophil-to-lymphocyte ratio, and lymphocyte-to-monocyte ratio in patients with primary angle closure glaucoma. <i>Oncotarget</i> , 2017, 8, 68984-68995.	1.8	32
150	Genetic Deletion of the NOS3 Gene in CAV1 <sup>-/-</sup> Mice Restores Aqueous Humor Outflow Function. , 2017, 58, 4976.		11
151	Phenylephrine Affects Peripapillary Retinal Vasculature on Optic Coherence Tomography Angiography Study. <i>Frontiers in Physiology</i> , 2017, 8, 996.	2.8	14
152	Lack of Association between Serum Vitamin B6, Vitamin B12, and Vitamin D Levels with Different Types of Glaucoma: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2017, 9, 636.	4.1	18
153	Differential Modulation of GABAA and NMDA Receptors by an $\alpha 7$ -nicotinic Acetylcholine Receptor Agonist in Chronic Glaucoma. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 422.	2.9	19
154	Analysis of Genetic Mutations in a Cohort of Hereditary Optic Neuropathy in Shanghai, China. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-5.	1.3	6
155	Measurement of and Factors Associated with the Anterior Chamber Volume in Healthy Chinese Adults. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-6.	1.3	14
156	Patient satisfaction with fixed-combination bimatoprost/timolol ophthalmic solution: a survey study in patients with glaucoma in China. <i>Patient Preference and Adherence</i> , 2017, Volume 11, 845-852.	1.8	7
157	Intraocular pressure 1 year after vitrectomy in eyes without a history of glaucoma or ocular hypertension. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 2091-2097.	1.8	22
158	Reduced Retinal Vessel Density in Obstructive Sleep Apnea Syndrome Patients: An Optical Coherence Tomography Angiography Study. , 2017, 58, 3506.		56
159	Grooved Glaucoma Drainage Devices That Continuously Deliver Cyclosporine A Decrease Postsurgical Scar Formation in Rabbit Eyes. , 2017, 58, 1692.		7
160	Association of Plasma Complement C3 Levels With Primary Angle-Closure Glaucoma in Older Women. , 2017, 58, 682.		24
161	Medically uncontrolled conjunctival pyogenic granulomas: correlation between clinical characteristics and histological findings. <i>Oncotarget</i> , 2017, 8, 2020-2024.	1.8	9
162	The association between serum uric acid and glaucoma severity in primary angle closure glaucoma: a retrospective case-control study. <i>Oncotarget</i> , 2017, 8, 2816-2824.	1.8	28

#	ARTICLE	IF	CITATIONS
163	Parkin overexpression protects retinal ganglion cells against glutamate excitotoxicity. <i>Molecular Vision</i> , 2017, 23, 447-456.	1.1	19
164	eNOS Activity in CAV1 Knockout Mouse Eyes. , 2016, 57, 2805.		33
165	Elevated Plasma Endothelin-1 Levels in Normal Tension Glaucoma and Primary Open-Angle Glaucoma: A Meta-Analysis. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-6.	1.3	36
166	Elevated Transforming Growth Factor- $\beta$ 2 in the Aqueous Humor: A Possible Explanation for High Rate of Capsular Contraction Syndrome in High Myopia. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-6.	1.3	15
167	Evaluation of Anterior Chamber Volume in Cataract Patients with Swept-Source Optical Coherence Tomography. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-6.	1.3	7
168	Microcirculatory Responses to Hyperoxia in Macular and Peripapillary Regions. , 2016, 57, 4464.		33
169	Comparison of Several Parameters in Two Optical Coherence Tomography Systems for Detecting Glaucomatous Defects in High Myopia. , 2016, 57, 4910.		19
170	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study. , 2016, 57, OCT204.		67
171	Selective reduction of fMRI responses to transient achromatic stimuli in the magnocellular layers of the LGN and the superficial layer of the SC of early glaucoma patients. <i>Human Brain Mapping</i> , 2016, 37, 558-569.	3.6	50
172	Interleukin-17A neutralization alleviated ocular neovascularization by promoting M2 and mitigating M1 macrophage polarization. <i>Immunology</i> , 2016, 147, 414-428.	4.4	45
173	Is the peripapillary retinal perfusion related to myopia in healthy eyes? A prospective comparative study. <i>BMJ Open</i> , 2016, 6, e010791.	1.9	118
174	Ambient air pollution, weather changes and outpatient visits for allergic conjunctivitis: A retrospective registry study. <i>Scientific Reports</i> , 2016, 6, 23858.	3.3	63
175	Peripapillary gamma zone pit as dehiscence between Elschnig's border tissue and Bruch's membrane with herniation and defect of the retinal nerve fiber layer. <i>BMC Ophthalmology</i> , 2016, 16, 143.	1.4	4
176	Fixation Stability and Refractive Error After Cataract Surgery in Highly Myopic Eyes. <i>American Journal of Ophthalmology</i> , 2016, 169, 89-94.	3.3	19
177	Changes of anterior segment parameters in primary angle closure with axial myopia: a retrospective study of 369 patients grouped by axial length. <i>Acta Ophthalmologica</i> , 2016, 94, e670-e671.	1.1	6
178	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.	7.3	19
179	Twenty-four-hour pattern of intraocular pressure in untreated patients with primary open-angle glaucoma. <i>Acta Ophthalmologica</i> , 2016, 94, e460-7.	1.1	15
180	Proinflammatory status in the aqueous humor of high myopic cataract eyes. <i>Experimental Eye Research</i> , 2016, 142, 13-18.	2.6	62

#	ARTICLE	IF	CITATIONS
181	Association of Matrix Metalloproteinase-9 (MMP9) Variants with Primary Angle Closure and Primary Angle Closure Glaucoma. PLoS ONE, 2016, 11, e0157093.	2.5	13
182	The Characteristics of Peripapillary Retinal Perfusion by Optical Coherence Tomography Angiography in Tessellated Fundus Eyes. PLoS ONE, 2016, 11, e0159911.	2.5	10
183	Role of Platelet Parameters on Neovascular Glaucoma: A Retrospective Case-Control Study in China. PLoS ONE, 2016, 11, e0166893.	2.5	13
184	Further evidence for P59L mutation in GJA3 associated with autosomal dominant congenital cataract. Indian Journal of Ophthalmology, 2016, 64, 508.	1.1	9
185	Screening of the LTBP2 gene in 214 Chinese sporadic CYP1B1-negative patients with primary congenital glaucoma. Molecular Vision, 2016, 22, 528-35.	1.1	6
186	Evaluation of the Association Between Common Genetic Variants Near the <i>ABCA1</i> Gene and Primary Angle Closure Glaucoma in a Han Chinese Population. , 2015, 56, 6248.		14
187	Fixed-combination treatments for intraocular hypertension in Chinese patients &ndash; focus on bimatoprost-timolol. Drug Design, Development and Therapy, 2015, 9, 2617.	4.3	4
188	Aqueous Humor Outflow Physiology in NOS3 Knockout Mice. , 2015, 56, 4891.		44
189	Macular Perfusion in Healthy Chinese: An Optical Coherence Tomography Angiogram Study. , 2015, 56, 3212.		230
190	Ophthalmoscopic-Perspectively Distorted Optic Disc Diameters and Real Disc Diameters. , 2015, 56, 7076.		35
191	Genetic Variants Associated With Different Risks for High Tension Glaucoma and Normal Tension Glaucoma in a Chinese Population. , 2015, 56, 2595.		53
192	Limitations of Keratoplasty in China: A Survey Analysis. PLoS ONE, 2015, 10, e0132268.	2.5	15
193	A Novel Motion-on-Color Paradigm for Isolating Magnocellular Pathway Function in Preperimetric Glaucoma. , 2015, 56, 4439.		17
194	Evaluation of Retinal Nerve Fiber Layer and Ganglion Cell Complex in Patients with Optic Neuritis or Neuromyelitis Optica Spectrum Disorders Using Optical Coherence Tomography in a Chinese Cohort. Journal of Ophthalmology, 2015, 2015, 1-6.	1.3	26
195	Effects of Long-Term Antiglaucoma Eye Drops on Conjunctival Structures: An In Vivo Confocal Microscopy Study. Journal of Ophthalmology, 2015, 2015, 1-7.	1.3	11
196	Intracellular cytoskeleton and junction proteins of endothelial cells in the porcine iris microvasculature. Experimental Eye Research, 2015, 140, 106-116.	2.6	10
197	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	105
198	Re: Wang etÂal.: Quantitative measurements of the ciliary body inÂeyes with malignant glaucoma afterÂtrabeculectomy using ultrasoundÂbiomicroscopy (OphthalmologyÂ2014;121:862-9). Ophthalmology, 2015, 122, e4.	5.2	1

#	ARTICLE	IF	CITATIONS
199	Quantitative study of the microvasculature and its endothelial cells in the porcine iris. <i>Experimental Eye Research</i> , 2015, 132, 249-258.	2.6	11
200	A randomised, parallel-group comparison study of diquafosol ophthalmic solution in patients with dry eye in China and Singapore. <i>British Journal of Ophthalmology</i> , 2015, 99, 903-908.	3.9	43
201	Effects of myopia on different areas and layers of the macula: a fourier-domain optical coherence tomography study of a chinese cohort. <i>BMC Ophthalmology</i> , 2015, 15, 90.	1.4	21
202	Axial Myopia Is Associated with Visual Field Prognosis of Primary Open-Angle Glaucoma. <i>PLoS ONE</i> , 2015, 10, e0133189.	2.5	13
203	Interocular Shift of Visual Attention Enhances Stereopsis and Visual Acuities of Anisometric Amblyopes beyond the Critical Period of Visual Development: A Novel Approach. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-6.	1.3	3
204	Extended Association Study of <i>PLEKHA7</i> and <i>COL11A1</i> With Primary Angle Closure Glaucoma in a Han Chinese Population. , 2014, 55, 3797.		33
205	Schlemm's Canal Expands After Trabeculectomy in Patients With Primary Angle Closure Glaucoma. , 2014, 55, 5637.		31
206	Endothelial Nitric Oxide Synthase-Related Mechanotransduction Changes in Aged Porcine Angular Aqueous Plexus Cells. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8402-8408.	3.3	17
207	Common variants near <i>ABCA1</i> and in <i>PMM2</i> are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2014, 46, 1115-1119.	21.4	160
208	Intraocular pressure-lowering efficacy and safety of bimatoprost 0.03% therapy for primary open-angle glaucoma and ocular hypertension patients in China. <i>BMC Ophthalmology</i> , 2014, 14, 21.	1.4	9
209	Safety and efficacy of bimatoprost/timolol fixed combination in Chinese patients with open-angle glaucoma or ocular hypertension. <i>Chinese Medical Journal</i> , 2014, 127, 905-10.	2.3	4
210	Profile of pediatric glaucoma patients in Shanghai Eye, Ear, Nose and Throat Hospital. <i>Chinese Medical Journal</i> , 2014, 127, 1429-33.	2.3	7
211	Keratoplasty for Corneal Endothelial Disease. <i>Ophthalmology</i> , 2013, 120, 650.	5.2	0
212	Cyclosporine A Drug-Delivery System for High-risk Keratoplasty. <i>Ophthalmology</i> , 2013, 120, e65-e66.	5.2	2
213	Bacterial Keratitis in Shanghai. <i>Ophthalmology</i> , 2013, 120, 647.	5.2	14
214	Secukinumab in the Treatment of Noninfectious Uveitis. <i>Ophthalmology</i> , 2013, 120, e86.	5.2	5
215	The critical role of the conjunctiva in glaucoma filtration surgery. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 303-328.	15.5	115
216	Developing laser-induced glaucoma in rabbits. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1999, 27, 180-183.	0.4	14