Xinghuai Sun

List of Publications by Year
in descending order

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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	Primary angle closure glaucoma: What we know and what we donâ€™t know. Progress in Retinal and Eye Research, 2017, 57, 26-45.	15.5	256
2	Macular Perfusion in Healthy Chinese: An Optical Coherence Tomography Angiogram Study. , 2015, 56, 3212.		230
3	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	21.4	160
4	Is the peripapillary retinal perfusion related to myopia in healthy eyes? A prospective comparative study. BMJ Open, 2016, 6, e010791.	1.9	118
5	The critical role of the conjunctiva in glaucoma filtration surgery. Progress in Retinal and Eye Research, 2009, 28, 303-328.	15.5	115
6	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	105
7	Sustained Release of Brimonidine from a New Composite Drug Delivery System for Treatment of Glaucoma. ACS Applied Materials & Interfaces, 2017, 9, 7990-7999.	8.0	74
8	Clinical characteristics of myelin oligodendrocyte glycoprotein seropositive optic neuritis: a cohort study in Shanghai, China. Journal of Neurology, 2018, 265, 33-40.	3.6	74
9	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study. , 2016, 57, OCT204.		67
10	Ambient air pollution, weather changes and outpatient visits for allergic conjunctivitis: A retrospective registry study. Scientific Reports, 2016, 6, 23858.	3.3	63
11	Proinflammatory status in the aqueous humor of high myopic cataract eyes. Experimental Eye Research, 2016, 142, 13-18.	2.6	62
12	Reduced Retinal Vessel Density in Obstructive Sleep Apnea Syndrome Patients: An Optical Coherence Tomography Angiography Study. , 2017, 58, 3506.		56
13	MiR-93-5p targeting PTEN regulates the NMDA-induced autophagy of retinal ganglion cells via AKT/mTOR pathway in glaucoma. Biomedicine and Pharmacotherapy, 2018, 100, 1-7.	5.6	56
14	Overexpression of parkin protects retinal ganglion cells in experimental glaucoma. Cell Death and Disease, 2018, 9, 88.	6.3	54
15	Airborne particulate matter (PM2.5) triggers cornea inflammation and pyroptosis via NLRP3 activation. Ecotoxicology and Environmental Safety, 2021, 207, 111306.	6.0	54
16	Genetic Variants Associated With Different Risks for High Tension Glaucoma and Normal Tension Glaucoma in a Chinese Population. , 2015, 56, 2595.		53
17	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. Human Brain Mapping, 2016, 37, 558-569.	3.6	50
18	Airborne particulate matter (PM2.5) triggers ocular hypertension and glaucoma through pyroptosis. Particle and Fibre Toxicology, 2021, 18, 10.	6.2	49

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19	Local Delivery and Sustainedâ€Release of Nitric Oxide Donor Loaded in Mesoporous Silica Particles for Efficient Treatment of Primary Openâ€Angle Glaucoma. Advanced Healthcare Materials, 2018, 7, e1801047.	7.6	47
20	Comparison of retinal microvascular changes in eyes with high-tension glaucoma or normal-tension glaucoma: a quantitative optic coherence tomography angiographic study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 1179-1186.	1.9	46
21	Interleukinâ€17A neutralization alleviated ocular neovascularization by promoting M2 and mitigating M1 macrophage polarization. Immunology, 2016, 147, 414-428.	4.4	45
22	Peripapillary retinal vessel density in eyes with acute primary angle closure: an optical coherence tomography angiography study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1013-1018.	1.9	45
23	Aqueous Humor Outflow Physiology in NOS3 Knockout Mice. , 2015, 56, 4891.		44
24	A randomised, parallel-group comparison study of diquafosol ophthalmic solution in patients with dry eye in China and Singapore. British Journal of Ophthalmology, 2015, 99, 903-908.	3.9	43
25	Clinical Characteristics of Pediatric Optic Neuritis With Myelin Oligodendrocyte Glycoprotein Seropositive: A Cohort Study. Pediatric Neurology, 2018, 83, 42-49.	2.1	42
26	Elevated Plasma Endothelin-1 Levels in Normal Tension Glaucoma and Primary Open-Angle Glaucoma: A Meta-Analysis. Journal of Ophthalmology, 2016, 2016, 1-6.	1.3	36
27	Microbiological Isolates and Antibiotic Susceptibilities: A 10-Year Review of Culture-Proven Endophthalmitis Cases. Current Eye Research, 2017, 42, 443-447.	1.5	36
28	TRPV4-induced MÃ¼ller cell gliosis and TNF-Î± elevation-mediated retinal ganglion cell apoptosis in glaucomatous rats via JAK2/STAT3/NF-ÎºB pathway. Journal of Neuroinflammation, 2021, 18, 271.	7.2	36
29	Ophthalmoscopic-Perspectively Distorted Optic Disc Diameters and Real Disc Diameters. , 2015, 56, 7076.		35
30	Reduced Retinal Vessel Density in Primary Angle Closure Glaucoma: A Quantitative Study Using Optical Coherence Tomography Angiography. Journal of Glaucoma, 2018, 27, 322-327.	1.6	35
31	Sustained subconjunctival delivery of cyclosporine A using thermogelling polymers for glaucoma filtration surgery. Journal of Materials Chemistry B, 2017, 5, 6400-6411.	5.8	34
32	Extended Association Study ofPLEKHA7andCOL11A1With Primary Angle Closure Glaucoma in a Han Chinese Population. , 2014, 55, 3797.		33
33	eNOS Activity in CAV1 Knockout Mouse Eyes. , 2016, 57, 2805.		33
34	Microcirculatory Responses to Hyperoxia in Macular and Peripapillary Regions. , 2016, 57, 4464.		33
35	The diagnostic value of white blood cell, neutrophil, neutrophil-to-lymphocyte ratio, and lymphocyte-to-monocyte ratio in patients with primary angle closure glaucoma. Oncotarget, 2017, 8, 68984-68995.	1.8	32
36	White Matter Abnormalities and Correlation With Severity in Normal Tension Glaucoma: A Whole Brain Atlas-Based Diffusion Tensor Study. , 2018, 59, 1313.		32

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37	Activation of 5-HT1A Receptors Promotes Retinal Ganglion Cell Function by Inhibiting the cAMP-PKA Pathway to Modulate Presynaptic GABA Release in Chronic Glaucoma. Journal of Neuroscience, 2019, 39, 1484-1504.	3.6	32
38	Single cell atlas for 11 non-model mammals, reptiles and birds. Nature Communications, 2021, 12, 7083.	12.8	32
39	Schlemm's Canal Expands After Trabeculectomy in Patients With Primary Angleâ€“Closure Glaucoma. , 2014, 55, 5637.		31
40	Integrated Tear Proteome and Metabolome Reveal Panels of Inflammatory-Related Molecules via Key Regulatory Pathways in Dry Eye Syndrome. Journal of Proteome Research, 2019, 18, 2321-2330.	3.7	30
41	SARS-CoV-2 receptor ACE2 is expressed in human conjunctival tissue, especially in diseased conjunctival tissue. Ocular Surface, 2021, 19, 249-251.	4.4	30
42	The Association of Oxidative Stress Status with Open-Angle Glaucoma and Exfoliation Glaucoma: A Systematic Review and Meta-Analysis. Journal of Ophthalmology, 2019, 2019, 1-14.	1.3	29
43	Overexpression of Optic Atrophy Type 1 Protects Retinal Ganglion Cells and Upregulates Parkin Expression in Experimental Glaucoma. Frontiers in Molecular Neuroscience, 2018, 11, 350.	2.9	28
44	The association between serum uric acid and glaucoma severity in primary angle closure glaucoma: a retrospective case-control study. Oncotarget, 2017, 8, 2816-2824.	1.8	28
45	Green Tea Extract Ameliorates Ischemia-Induced Retinal Ganglion Cell Degeneration in Rats. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	4.0	27
46	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
47	Associations between Blood Cell Profiles and Primary Open-Angle Glaucoma: A Retrospective Case-Control Study. Ophthalmic Research, 2020, 63, 413-422.	1.9	26
48	Comparative analysis of retinal ganglion cell damage in three glaucomatous rat models. Experimental Eye Research, 2018, 172, 112-122.	2.6	25
49	Metabolomic Profiling of Aqueous Humor and Plasma in Primary Open Angle Glaucoma Patients Points Towards Novel Diagnostic and Therapeutic Strategy. Frontiers in Pharmacology, 2021, 12, 621146.	3.5	25
50	Association of Plasma Complement C3 Levels With Primary Angle-Closure Glaucoma in Older Women. , 2017, 58, 682.		24
51	Genome-wide analysis identified 17 new loci influencing intraocular pressure in Chinese population. Science China Life Sciences, 2019, 62, 153-164.	4.9	24
52	Intraocular pressure 1 year after vitrectomy in eyes without a history of glaucoma or ocular hypertension. Clinical Ophthalmology, 2017, Volume 11, 2091-2097.	1.8	22
53	Relationship between Oxidative Stress Biomarkers and Visual Field Progression in Patients with Primary Angle Closure Glaucoma. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	4.0	22
54	Effects of myopia on different areas and layers of the macula: a fourier-domain optical coherence tomography study of a chinese cohort. BMC Ophthalmology, 2015, 15, 90.	1.4	21

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55	Vision-related Quality of Life in Glaucoma Patients and its Correlations With Psychological Disturbances and Visual Function Indices. Journal of Glaucoma, 2019, 28, 207-215.	1.6	21
56	Traumatic Cataract in Children in Eastern China: Shanghai Pediatric Cataract Study. Scientific Reports, 2018, 8, 2588.	3.3	20
57	Asiatic Acid Prevents Retinal Ganglion Cell Apoptosis in a Rat Model of Glaucoma. Frontiers in Neuroscience, 2018, 12, 489.	2.8	20
58	Association of serum uric acid levels with primary openâ€angle glaucoma: a 5â€year caseâ€“control study. Acta Ophthalmologica, 2019, 97, e356-e363.	1.1	20
59	Association Between 17-Î²-Estradiol and Interleukin-8 and Visual Field Progression in Postmenopausal Women with Primary Angle Closure Glaucoma. American Journal of Ophthalmology, 2020, 217, 55-67.	3.3	20
60	Gonioscopy-assisted transluminal trabeculotomy versus goniotomy with Kahook dual blade in patients with uncontrolled juvenile open-angle glaucoma: a retrospective study. BMC Ophthalmology, 2021, 21, 395.	1.4	20
61	Comparison of Several Parameters in Two Optical Coherence Tomography Systems for Detecting Glaucomatous Defects in High Myopia. , 2016, 57, 4910.		19
62	Fixation Stability and Refractive Error After Cataract Surgery in Highly Myopic Eyes. American Journal of Ophthalmology, 2016, 169, 89-94.	3.3	19
63	Development of a novel CsA-PLGA drug delivery system based on a glaucoma drainage device for the prevention of postoperative fibrosis. Materials Science and Engineering C, 2016, 66, 206-214.	7.3	19
64	Differential Modulation of GABAA and NMDA Receptors by an Î±7-nicotinic Acetylcholine Receptor Agonist in Chronic Glaucoma. Frontiers in Molecular Neuroscience, 2017, 10, 422.	2.9	19
65	Exendinâ€4, a GLPâ€1 receptor agonist regulates retinal capillary tone and restores microvascular patency after ischaemiaâ€“reperfusion injury. British Journal of Pharmacology, 2020, 177, 3389-3402.	5.4	19
66	Neutrophil-To-Lymphocyte Ratio as a Potential Biomarker of Neovascular Glaucoma. Ocular Immunology and Inflammation, 2021, 29, 417-424.	1.8	19
67	Neovascular glaucoma: Handling in the future. Taiwan Journal of Ophthalmology, 2018, 8, 60.	0.7	19
68	Association of systemic inflammation indices with visual field loss progression in patients with primary angle-closure glaucoma: potential biomarkers for 3P medical approaches. EPMA Journal, 2021, 12, 659-675.	6.1	19
69	Parkin overexpression protects retinal ganglion cells against glutamate excitotoxicity. Molecular Vision, 2017, 23, 447-456.	1.1	19
70	Lack of Association between Serum Vitamin B6, Vitamin B12, and Vitamin D Levels with Different Types of Glaucoma: A Systematic Review and Meta-Analysis. Nutrients, 2017, 9, 636.	4.1	18
71	Soluble tumor necrosis factor-alpha-induced hyperexcitability contributes to retinal ganglion cell apoptosis by enhancing Nav1.6 in experimental glaucoma. Journal of Neuroinflammation, 2021, 18, 182.	7.2	18
72	Differences between fellow eyes of acute and chronic primary angle closure (glaucoma): An ultrasound biomicroscopy quantitative study. PLoS ONE, 2018, 13, e0193006.	2.5	18

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73	Endothelial Nitric Oxide Synthase-Related Mechanotransduction Changes in Aged Porcine Angular Aqueous Plexus Cells. Investigative Ophthalmology and Visual Science, 2014, 55, 8402-8408.	3.3	17
74	A Novel Motion-on-Color Paradigm for Isolating Magnocellular Pathway Function in Preperimetric Glaucoma. , 2015, 56, 4439.		17
75	Digital droplet polymerase chain reaction analysis of common viruses in the aqueous humour of patients with Posnerâ€Schlossman syndrome in Chinese population. Clinical and Experimental Ophthalmology, 2019, 47, 513-520.	2.6	17
76	Automatic Classification of Anterior Chamber Angle Using Ultrasound Biomicroscopy and Deep Learning. Translational Vision Science and Technology, 2019, 8, 25.	2.2	16
77	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. Genetics in Medicine, 2019, 21, 2345-2354.	2.4	16
78	Therapeutic Targeting of Retinal Immune Microenvironment With CSF-1 Receptor Antibody Promotes Visual Function Recovery After Ischemic Optic Neuropathy. Frontiers in Immunology, 2020, 11, 585918.	4.8	16
79	Limitations of Keratoplasty in China: A Survey Analysis. PLoS ONE, 2015, 10, e0132268.	2.5	15
80	Elevated Transforming Growth Factor-Î²2 in the Aqueous Humor: A Possible Explanation for High Rate of Capsular Contraction Syndrome in High Myopia. Journal of Ophthalmology, 2016, 2016, 1-6.	1.3	15
81	Twentyâ€fourâ€hour pattern of intraâ€ocular pressure in untreated patients with primary openâ€angle glaucoma. Acta Ophthalmologica, 2016, 94, e460-7.	1.1	15
82	Lack of Association of rs1192415 in TGFBR3-CDC7 With Visual Field Progression: A Cohort Study in Chinese Open Angle Glaucoma Patients. Frontiers in Genetics, 2018, 9, 488.	2.3	15
83	Decreased Serum Levels of Complement C3 Reflect Complement System Dysregulation in Patients With Primary Open-angle Glaucoma: Results From a Pilot Study. Journal of Glaucoma, 2018, 27, 761-768.	1.6	15
84	Fluorescent aptasensor based on G-quadruplex-assisted structural transformation for the detection of biomarker lipocalin 1. Biosensors and Bioelectronics, 2020, 169, 112607.	10.1	15
85	The changes of corneal biomechanical properties with long-term treatment of prostaglandin analogue measured by Corvis ST. BMC Ophthalmology, 2020, 20, 422.	1.4	15
86	Circular RNA Expression Profiling Identifies Glaucoma-Related Circular RNAs in Various Chronic Ocular Hypertension Rat Models. Frontiers in Genetics, 2020, 11, 556712.	2.3	15
87	Inhibiting corneal neovascularization by sustainably releasing anti-VEGF and anti-inflammation drugs from silica-thermogel nanohybrids. Materials Science and Engineering C, 2021, 128, 112274.	7.3	15
88	Developing laser-induced glaucoma in rabbits. Australian and New Zealand Journal of Ophthalmology, 1999, 27, 180-183.	0.4	14
89	Bacterial Keratitis in Shanghai. Ophthalmology, 2013, 120, 647.	5.2	14
90	Evaluation of the Association Between Common Genetic Variants Near theABCA1Gene and Primary Angle Closure Glaucoma in a Han Chinese Population. , 2015, 56, 6248.		14

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91	Phenylephrine Affects Peripapillary Retinal Vasculatureâ€"an Optic Coherence Tomography Angiography Study. Frontiers in Physiology, 2017, 8, 996.	2.8	14
92	Measurement of and Factors Associated with the Anterior Chamber Volume in Healthy Chinese Adults. Journal of Ophthalmology, 2017, 2017, 1-6.	1.3	14
93	Relationship between ocular biometry and severity of primary angle-closure glaucoma: relevance for predictive, preventive, and personalized medicine. EPMA Journal, 2019, 10, 261-271.	6.1	14
94	TNFÎ± activates MAPK and Jak-Stat pathways to promote mouse MÃ¼ller cell proliferation. Experimental Eye Research, 2021, 202, 108353.	2.6	14
95	Endogenous dual stimuli-activated NO generation in the conventional outflow pathway for precision glaucoma therapy. Biomaterials, 2021, 277, 121074.	11.4	14
96	Altered spontaneous neuronal activity and functional connectivity pattern in primary angle-closure glaucoma: a resting-state fMRI study. Neurological Sciences, 2021, 42, 243-251.	1.9	13
97	Etiologies and clinical characteristics of young patients with angle-closure glaucoma: a 15-year single-center retrospective study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 2379-2387.	1.9	13
98	Mechanical Strain Regulates Myofibroblast Differentiation of Human Scleral Fibroblasts by YAP. Frontiers in Physiology, 2021, 12, 712509.	2.8	13
99	Axial Myopia Is Associated with Visual Field Prognosis of Primary Open-Angle Glaucoma. PLoS ONE, 2015, 10, e0133189.	2.5	13
100	Association of Matrix Metalloproteinase-9 (MMP9) Variants with Primary Angle Closure and Primary Angle Closure Glaucoma. PLoS ONE, 2016, 11, e0157093.	2.5	13
101	Role of Platelet Parameters on Neovascular Glaucoma: A Retrospective Case-Control Study in China. PLoS ONE, 2016, 11, e0166893.	2.5	13
102	Optimising keratoplasty for Peters' anomaly in infants using spectral-domain optical coherence tomography. British Journal of Ophthalmology, 2017, 101, 820-827.	3.9	12
103	Automatic Anterior Chamber Angle Measurement for Ultrasound Biomicroscopy Using Deep Learning. Journal of Glaucoma, 2020, 29, 81-85.	1.6	12
104	Immediate Changes in Peripapillary Retinal Vasculature after Intraocular Pressure Elevation -an Optical Coherence Tomography Angiography Study. Current Eye Research, 2020, 45, 749-756.	1.5	12
105	miR-21-5p: A viable therapeutic strategy for regulating intraocular pressure. Experimental Eye Research, 2020, 200, 108197.	2.6	12
106	Peroxynitrite is a novel risk factor and treatment target of glaucoma. Nitric Oxide - Biology and Chemistry, 2020, 99, 17-24.	2.7	12
107	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
108	Quantitative study of the microvasculature and its endothelial cells in the porcine iris. Experimental Eye Research, 2015, 132, 249-258.	2.6	11

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109	Highâ€resolution transbulbar ultrasonography helping differentiate intracranial hypertension in bilateral optic disc oedema patients. Acta Ophthalmologica, 2017, 95, e481-e485.	1.1	11
110	Genetic Deletion of the NOS3 Gene in CAV1^{â^'/â^'} Mice Restores Aqueous Humor Outflow Function. , 2017, 58, 4976.		11
111	Association between Platelet Parameters and Glaucoma Severity in Primary Open-Angle Glaucoma. Journal of Ophthalmology, 2019, 2019, 1-9.	1.3	11
112	Impact of acute intraocular pressure elevation on the visual acuity of non-human primates. EBioMedicine, 2019, 44, 554-562.	6.1	11
113	Clinical features of microvasculature in subzones of parapapillary atrophy in myopic eyes: an OCT-angiography study. Eye, 2021, 35, 455-463.	2.1	11
114	Prolonged use of nitric oxide donor sodium nitroprusside induces ocular hypertension in mice. Experimental Eye Research, 2021, 202, 108280.	2.6	11
115	Intracellular cytoskeleton and junction proteins of endothelial cells in the porcine iris microvasculature. Experimental Eye Research, 2015, 140, 106-116.	2.6	10
116	What Are the Characteristics of Primary Angle Closure With Longer Axial Length?. , 2018, 59, 1354.		10
117	Mechanical Strain Induces Distinct Human Scleral Fibroblast Lineages: Differential Roles in Cell Proliferation, Apoptosis, Migration, and Differentiation. , 2018, 59, 2401.		10
118	COL11A1 Polymorphisms Are Associated with Primary Angle-Closure Glaucoma Severity. Journal of Ophthalmology, 2019, 2019, 1-7.	1.3	10
119	The Clinical Features and Genetic Spectrum of a Large Cohort of Chinese Patients With Vitelliform Macular Dystrophies. American Journal of Ophthalmology, 2020, 216, 69-79.	3.3	10
120	Quantification of Retinal Microvascular Density Using Optic Coherence Tomography Angiography in Primary Angle Closure Disease. Current Eye Research, 2021, 46, 1018-1024.	1.5	10
121	Automatic Anterior Chamber Angle Classification Using Deep Learning System and Anterior Segment Optical Coherence Tomography Images. Translational Vision Science and Technology, 2021, 10, 19.	2.2	10
122	Role of amyloid Î²-peptide in the pathogenesis of age-related macular degeneration. BMJ Open Ophthalmology, 2021, 6, e000774.	1.6	10
123	The Characteristics of Peripapillary Retinal Perfusion by Optical Coherence Tomography Angiography in Tessellated Fundus Eyes. PLoS ONE, 2016, 11, e0159911.	2.5	10
124	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. BMJ Open, 2022, 12, e046194.	1.9	10
125	Intraocular pressure-lowering efficacy and safety of bimatoprost 0.03% therapy for primary open-angle glaucoma and ocular hypertension patients in China. BMC Ophthalmology, 2014, 14, 21.	1.4	9
126	Medically uncontrolled conjunctival pyogenic granulomas: correlation between clinical characteristics and histological findings. Oncotarget, 2017, 8, 2020-2024.	1.8	9

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127	Microvascular Network and Its Endothelial Cells in the Human Iris. Current Eye Research, 2018, 43, 67-76.	1.5	9
128	An Intelligent Optical Coherence Tomography-based System for Pathological Retinal Cases Identification and Urgent Referrals. Translational Vision Science and Technology, 2020, 9, 46.	2.2	9
129	Clinical characteristics of optic neuritis phenotypes in a 3-year follow-up Chinese cohort. Scientific Reports, 2021, 11, 14603.	3.3	9
130	Further evidence for P59L mutation in GJA3 associated with autosomal dominant congenital cataract. Indian Journal of Ophthalmology, 2016, 64, 508.	1.1	9
131	Loss and enhancement of layer-selective signals in geniculostriate and corticotectal pathways of adult human amblyopia. Cell Reports, 2021, 37, 110117.	6.4	9
132	Association between coagulation function and patients with primary angle closure glaucoma: a 5-year retrospective caseâ€“control study. BMJ Open, 2017, 7, e016719.	1.9	8
133	Age-Related Changes in Human Schlemmâ€™s Canal: An in Vivo Optical Coherence Tomography-Based Study. Frontiers in Physiology, 2018, 9, 630.	2.8	8
134	Association of 24-Hour Intraocular Pressure Fluctuation With Corneal Hysteresis and Axial Length in Untreated Chinese Primary Open-Angle Glaucoma Patients. Translational Vision Science and Technology, 2020, 9, 25.	2.2	8
135	Group II metabotropic glutamate receptor agonist promotes retinal ganglion cell survival by reducing neuronal excitotoxicity in a rat chronic ocular hypertension model. Neuropharmacology, 2020, 170, 108016.	4.1	8
136	Nicotinamide ameliorates energy deficiency and improves retinal function in Cavâ€1 <sup>â€/â€< /sup> mice. Journal of Neurochemistry, 2021, 157, 550-560.	3.9	8
137	Sustained release of brimonidine from BRI@SR@TPU implant for treatment of glaucoma. Drug Delivery, 2022, 29, 613-623.	5.7	8
138	Association Between Sex Hormones and Visual Field Progression in Women With Primary Open Angle Glaucoma: A Cross-Sectional and Prospective Cohort Study. Frontiers in Aging Neuroscience, 2021, 13, 756186.	3.4	8
139	Metabolomics in Primary Open Angle Glaucoma: A Systematic Review and Meta-Analysis. Frontiers in Neuroscience, 2022, 16, .	2.8	8
140	Evaluation of Anterior Chamber Volume in Cataract Patients with Swept-Source Optical Coherence Tomography. Journal of Ophthalmology, 2016, 2016, 1-6.	1.3	7
141	Patient satisfaction with fixed-combination bimatoprost/timolol ophthalmic solution: a survey study in patients with glaucoma in China. Patient Preference and Adherence, 2017, Volume 11, 845-852.	1.8	7
142	Grooved Glaucoma Drainage Devices That Continuously Deliver Cyclosporine A Decrease Postsurgical Scar Formation in Rabbit Eyes. , 2017, 58, 1692.		7
143	Association between Pretreatment Serum Uric Acid Levels and Progression of Newly Diagnosed Primary Angle-Closure Glaucoma: A Prospective Cohort Study. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	4.0	7
144	The evaluation of juvenile ocular hypertension by optical coherence tomography angiography. BMC Ophthalmology, 2020, 20, 423.	1.4	7

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145	Recent developments in regenerative ophthalmology. Science China Life Sciences, 2020, 63, 1450-1490.	4.9	7
146	Metabolomics of the aqueous humor in patients with primary congenital glaucoma. Molecular Vision, 2019, 25, 489-501.	1.1	7
147	Profile of pediatric glaucoma patients in Shanghai Eye, Ear, Nose and Throat Hospital. Chinese Medical Journal, 2014, 127, 1429-33.	2.3	7
148	Optical coherence tomography analysis of anterior segment parameters before and after laser peripheral iridotomy in primary angle-closure suspects by using CASIA2. BMC Ophthalmology, 2022, 22, 144.	1.4	7
149	Screening and Functional Analysis of TEK Mutations in Chinese Children With Primary Congenital Glaucoma. Frontiers in Genetics, 2021, 12, 764509.	2.3	7
150	Retinal Ganglion Cell Death in Glaucoma: Advances and Caveats. Current Eye Research, 2023, 48, 1-10.	1.5	7
151	Association Between Ocular Biomechanics Measured With Corvis ST and Glaucoma Severity in Patients With Untreated Primary Open Angle Glaucoma. Translational Vision Science and Technology, 2022, 11, 10.	2.2	7
152	Changes of anterior segment parameters in primary angle closure with axial myopia: aÂretrospective study of 369 patients grouped by axial length. Acta Ophthalmologica, 2016, 94, e670-e671.	1.1	6
153	Analysis of Genetic Mutations in a Cohort of Hereditary Optic Neuropathy in Shanghai, China. Journal of Ophthalmology, 2017, 2017, 1-5.	1.3	6
154	The small molecule inhibitor PR-619 protects retinal ganglion cells against glutamate excitotoxicity. NeuroReport, 2020, 31, 1134-1141.	1.2	6
155	Consistency between optical coherence tomography and humphrey visual field for evaluating glaucomatous defects in high myopic eyes. BMC Ophthalmology, 2020, 20, 460.	1.4	6
156	Comparison of Intraocular Antibody Measurement, Quantitative Pathogen PCR, and Metagenomic Deep Sequencing of Aqueous Humor in Secondary Glaucoma Associated with Anterior Segment Uveitis. Ocular Immunology and Inflammation, 2020, , 1-7.	1.8	6
157	The Dynamic Scleral Extracellular Matrix Alterations in Chronic Ocular Hypertension Model of Rats. Frontiers in Physiology, 2020, 11, 682.	2.8	6
158	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
159	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. British Journal of Ophthalmology, 2023, 107, 828-835.	3.9	6
160	Secukinumab in the Treatment of Noninfectious Uveitis. Ophthalmology, 2013, 120, e86.	5.2	5
161	Intereye and intraeye asymmetry analysis of retinal microvascular and neural structure parameters for diagnosis of primary open-angle glaucoma. Eye, 2019, 33, 1596-1605.	2.1	5
162	Microscope-integrated Intraoperative Optical Coherence Tomography for Anterior Segment Surgical Maneuvers. Translational Vision Science and Technology, 2020, 9, 18.	2.2	5

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163	Transient receptor potential vanilloid four channels modulate inhibitory inputs through differential regulation of GABA and glycine receptors in rat retinal ganglion cells. FASEB Journal, 2020, 34, 14521-14538.	0.5	5
164	Microbiological Isolates and Antibiotic Susceptibilities in Cases of Posttraumatic Endophthalmitis: A 15-Year Review. Journal of Ophthalmology, 2020, 2020, 1-6.	1.3	5
165	Changes in corneal biomechanics during pregnancy in Chinese healthy female. European Journal of Ophthalmology, 2021, 31, 361-366.	1.3	5
166	Polymorphisms of the cytomegalovirus glycoprotein B genotype in patients with Posner-Schlossman syndrome. British Journal of Ophthalmology, 2022, 106, 1240-1244.	3.9	5
167	Green Tea Catechins Attenuate Human Primary Pterygium Cell Survival and Migration Via Modulation of ERK p42/p44 and p38 Pathways. Journal of Agricultural and Food Chemistry, 2021, 69, 12209-12218.	5.2	5
168	Cancer-associated retinopathy after anti-programmed death 1 (PD-1) antibody for treating hepatocellular carcinomaâ€”â€”a case report of a Chinese patient. American Journal of Ophthalmology Case Reports, 2022, 25, 101370.	0.7	5
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