

# Makoto Aihara

## List of Publications by Citations

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137  
papers

1,969  
citations

27  
h-index

39  
g-index

149  
ext. papers

2,499  
ext. citations

4.1  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
137	Experimental mouse ocular hypertension: establishment of the model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 4314-20		98
136	The effects of prostaglandin analogues on IOP in prostanoid FP-receptor-deficient mice. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 4159-63		92
135	Ocular hypertension in mice with a targeted type I collagen mutation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 1581-5		83
134	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , <b>2017</b> , 49, 993-1004	36.3	72
133	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 1486-1496	5.6	72
132	Reduction of intraocular pressure in mouse eyes treated with latanoprost. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 146-50		59
131	Activation of the prostanoid FP receptor inhibits adipogenesis leading to deepening of the upper eyelid sulcus in prostaglandin-associated periorbitopathy <b>2014</b> , 55, 1269-76		56
130	Regional optic nerve damage in experimental mouse glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4352-8		54
129	Prostaglandin analogues and mouse intraocular pressure: effects of tafluprost, latanoprost, travoprost, and unoprostone, considering 24-hour variation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 2006-11		54
128	Interaction between neurone and microglia mediated by platelet-activating factor. <i>Genes To Cells</i> , <b>2000</b> , 5, 397-406	2.3	52
127	Oxidative stress induces ferroptotic cell death in retinal pigment epithelial cells. <i>Experimental Eye Research</i> , <b>2019</b> , 181, 316-324	3.7	52
126	Expression of lysophosphatidic acid receptor in rat astrocytes: mitogenic effect and expression of neurotrophic genes. <i>Neurochemical Research</i> , <b>2000</b> , 25, 573-82	4.6	51
125	Incidence of deepening of the upper eyelid sulcus after switching from latanoprost to bimatoprost. <i>Japanese Journal of Ophthalmology</i> , <b>2011</b> , 55, 600-4	2.6	47
124	The effects of prostaglandin analogues on prostanoid EP1, EP2, and EP3 receptor-deficient mice. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 3395-9		42
123	The Relationship between Corvis ST Tonometry Measured Corneal Parameters and Intraocular Pressure, Corneal Thickness and Corneal Curvature. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140385	3.7	42
122	Effect of latanoprost on intraocular pressure in mice lacking the prostaglandin FP receptor. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 3555-9		41
121	Visual Field Testing with Head-Mounted Perimeter RmoR <i>PLoS ONE</i> , <b>2016</b> , 11, e0161974	3.7	38

120	Combined intravitreal methotrexate and immunochemotherapy followed by reduced-dose whole-brain radiotherapy for newly diagnosed B-cell primary intraocular lymphoma. <i>British Journal of Haematology</i> , <b>2017</b> , 179, 246-255	4.5	34
119	Effects of prostanoid EP agonists on mouse intraocular pressure <b>2009</b> , 50, 2201-8		34
118	The IOP-lowering effects and mechanism of action of tafluprost in prostanoid receptor-deficient mice. <i>British Journal of Ophthalmology</i> , <b>2007</b> , 91, 673-6	5.5	34
117	Omidenepag Isopropyl Versus Latanoprost in Primary Open-Angle Glaucoma and Ocular Hypertension: The Phase 3 AYAME Study. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 220, 53-63	4.9	33
116	Effects of SofZia-preserved travoprost and benzalkonium chloride-preserved latanoprost on the ocular surface -- a multicentre randomized single-masked study. <i>Acta Ophthalmologica</i> , <b>2013</b> , 91, e7-e14 <sup>3-7</sup>		33
115	Long-term effect of BAK-free travoprost on ocular surface and intraocular pressure in glaucoma patients after transition from latanoprost. <i>Journal of Glaucoma</i> , <b>2012</b> , 21, 60-4	2.1	33
114	Autotaxin-Lysophosphatidic Acid Pathway in Intraocular Pressure Regulation and Glaucoma Subtypes <b>2018</b> , 59, 693-701		30
113	Neuroprotective effects of prostaglandin analogues on retinal ganglion cell death independent of intraocular pressure reduction. <i>Experimental Eye Research</i> , <b>2011</b> , 93, 265-70	3.7	29
112	Incidence of deepening of the upper eyelid sulcus on treatment with a tafluprost ophthalmic solution. <i>Japanese Journal of Ophthalmology</i> , <b>2014</b> , 58, 212-7	2.6	27
111	Clinical appraisal of tafluprost in the reduction of elevated intraocular pressure (IOP) in open-angle glaucoma and ocular hypertension. <i>Clinical Ophthalmology</i> , <b>2010</b> , 4, 163-70	2.5	27
110	Role of the Autotaxin-LPA Pathway in Dexamethasone-Induced Fibrotic Responses and Extracellular Matrix Production in Human Trabecular Meshwork Cells <b>2018</b> , 59, 21-30		27
109	Assessing Visual Fields in Patients with Retinitis Pigmentosa Using a Novel Microperimeter with Eye Tracking: The MP-3. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166666	3.7	26
108	Phase 2, Randomized, Dose-finding Studies of Omidenepag Isopropyl, a Selective EP2 Agonist, in Patients With Primary Open-angle Glaucoma or Ocular Hypertension. <i>Journal of Glaucoma</i> , <b>2019</b> , 28, 375-385	2.1	26
107	Neuroprotective effect of astaxanthin against rat retinal ganglion cell death under various stresses that induce apoptosis and necrosis. <i>Molecular Vision</i> , <b>2014</b> , 20, 1796-805	2.3	24
106	Cystoid macular edema related to cataract surgery and topical prostaglandin analogs: Mechanism, diagnosis, and management. <i>Survey of Ophthalmology</i> , <b>2020</b> , 65, 496-512	6.1	22
105	The Anti-Inflammatory Effect of Ripasudil (K-115), a Rho Kinase (ROCK) Inhibitor, on Endotoxin-Induced Uveitis in Rats <b>2017</b> , 58, 5584-5593		18
104	Genetic analysis of Japanese primary open-angle glaucoma patients and clinical characterization of risk alleles near CDKN2B-AS1, SIX6 and GAS7. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186678	3.7	18
103	Factors Associated with Progression of Japanese Open-Angle Glaucoma with Lower Normal Intraocular Pressure. <i>Ophthalmology</i> , <b>2019</b> , 126, 1107-1116	7.3	17

102	Intraocular pressure-lowering effect of omidenepag isopropyl in latanoprost non-/low-responder patients with primary open-angle glaucoma or ocular hypertension: the FUJI study. <i>Japanese Journal of Ophthalmology</i> , <b>2020</b> , 64, 398-406	2.6	16
101	Conjunctival Bacteria Flora of Glaucoma Patients During Long-Term Administration of Prostaglandin Analog Drops <b>2017</b> , 58, 3991-3996		15
100	RIP1 kinase mediates angiogenesis by modulating macrophages in experimental neovascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23705-23713	11.5	15
99	Apolipoprotein M Inhibits Angiogenic and Inflammatory Response by Sphingosine 1-Phosphate on Retinal Pigment Epithelium Cells. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 19,	6.3	15
98	Establishment of an experimental ferret ocular hypertension model for the analysis of central visual pathway damage. <i>Scientific Reports</i> , <b>2014</b> , 4, 6501	4.9	14
97	Hyperbaric pressure and increased susceptibility to glutamate toxicity in retinal ganglion cells in vitro. <i>Molecular Vision</i> , <b>2014</b> , 20, 606-15	2.3	14
96	Increased aqueous autotaxin and lysophosphatidic acid levels are potential prognostic factors after trabeculectomy in different types of glaucoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 11304	4.9	12
95	Involvement of autotaxin in the pathophysiology of elevated intraocular pressure in Posner-Schlossman syndrome. <i>Scientific Reports</i> , <b>2020</b> , 10, 6265	4.9	12
94	Pharmacokinetics, Safety, and Intraocular Pressure-Lowering Profile of Omidenepag Isopropyl, a Selective, Nonprostaglandin, Prostanoid EP2 Receptor Agonist, in Healthy Japanese and Caucasian Volunteers (Phase I Study). <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2019</b> , 35, 542-550	2.6	11
93	A comparison of fluoroquinolone penetration into human conjunctival tissue. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2008</b> , 24, 587-91	2.6	11
92	Additive effects of genetic variants associated with intraocular pressure in primary open-angle glaucoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183709	3.7	11
91	Association between tear and blood glucose concentrations: Random intercept model adjusted with confounders in tear samples negative for occult blood. <i>Journal of Diabetes Investigation</i> , <b>2021</b> , 12, 266-276	3.9	11
90	Additive intraocular pressure-lowering effects of the Rho kinase inhibitor ripasudil in Japanese patients with various subtypes of glaucoma. <i>Japanese Journal of Ophthalmology</i> , <b>2019</b> , 63, 40-45	2.6	10
89	Anti-Collapsing Response-Mediating Protein-5 Antibody-Positive Paraneoplastic Periopic Neuritis without Typical Neurological Symptoms. <i>Neuro-Ophthalmology</i> , <b>2017</b> , 41, 24-29	0.9	9
88	Analysis of inflammatory mediators in the vitreous humor of eyes with pan-uveitis according to aetiological classification. <i>Scientific Reports</i> , <b>2020</b> , 10, 2783	4.9	9
87	The effects of prostaglandin analogues on intracellular Ca <sup>2+</sup> in ciliary arteries of wild-type and prostanoid receptor-deficient mice. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2013</b> , 29, 55-60	2.6	9
86	A model for the easy assessment of pressure-dependent damage to retinal ganglion cells using cyan fluorescent protein-expressing transgenic mice. <i>Molecular Vision</i> , <b>2012</b> , 18, 2468-78	2.3	9
85	Retinal vascular inflammatory and occlusive changes in infectious and non-infectious uveitis. <i>Japanese Journal of Ophthalmology</i> , <b>2020</b> , 64, 150-159	2.6	9

84	Prostanoid receptor agonists for glaucoma treatment. <i>Japanese Journal of Ophthalmology</i> , <b>2021</b> , 65, 581-590	2.6	9
83	Pharmacokinetic Analysis of Intraocular Penetration of Latanoprost Solutions with Different Preservatives in Human Eyes. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2018</b> , 34, 280-286	2.6	8
82	Contribution of prostanoid FP receptor and prostaglandins in transient inflammatory ocular hypertension. <i>Scientific Reports</i> , <b>2018</b> , 8, 11098	4.9	8
81	The role of sphingosine 1-phosphate receptors on retinal pigment epithelial cells barrier function and angiogenic effects. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2019</b> , 145, 106365	3.7	8
80	Ophthalmic Corticosteroids in Pregnant Women with Allergic Conjunctivitis and Adverse Neonatal Outcomes: Propensity Score Analyses. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 220, 91-101	4.9	8
79	Time Course of Prostaglandin Analog-related Conjunctival Hyperemia and the Effect of a Nonsteroidal Anti-inflammatory Ophthalmic Solution. <i>Journal of Glaucoma</i> , <b>2016</b> , 25, e204-8	2.1	8
78	Aqueous autotaxin and TGF- $\beta$ are promising diagnostic biomarkers for distinguishing open-angle glaucoma subtypes. <i>Scientific Reports</i> , <b>2021</b> , 11, 1408	4.9	8
77	Additive effects and safety of fixed combination therapy with 1% brinzolamide and 0.5% timolol versus 1% dorzolamide and 0.5% timolol in prostaglandin-treated glaucoma patients. <i>Acta Ophthalmologica</i> , <b>2017</b> , 95, e720-e726	3.7	7
76	Sphingosine-1-Phosphate (S1P)-Related Response of Human Conjunctival Fibroblasts After Filtration Surgery for Glaucoma <b>2017</b> , 58, 2258-2265		7
75	A surgical simulator for peeling the inner limiting membrane during wet conditions. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196131	3.7	7
74	Development of a Novel Intraocular-Pressure-Lowering Therapy Targeting ATX. <i>Biological and Pharmaceutical Bulletin</i> , <b>2019</b> , 42, 1926-1935	2.3	7
73	Efficacy of TonoLab in detecting physiological and pharmacological changes in rat intraocular pressure: comparison of TonoPen and microneedle manometry. <i>Japanese Journal of Ophthalmology</i> , <b>2008</b> , 52, 399-403	2.6	7
72	Simple oral mucosal epithelial transplantation in a rabbit model. <i>Scientific Reports</i> , <b>2019</b> , 9, 18088	4.9	7
71	Effects of head tilt on visual field testing with a head-mounted perimeter imo. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185240	3.7	6
70	Genetic Variants Associated With the Onset and Progression of Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 215, 135-140	4.9	6
69	Melanin concentration and depolarization metrics measurement by polarization-sensitive optical coherence tomography. <i>Scientific Reports</i> , <b>2020</b> , 10, 19513	4.9	6
68	H3K27me3 demethylase UTX regulates the differentiation of a subset of bipolar cells in the mouse retina. <i>Genes To Cells</i> , <b>2020</b> , 25, 402-412	2.3	6
67	Association of Rare CYP39A1 Variants With Exfoliation Syndrome Involving the Anterior Chamber of the Eye. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 325, 753-764	27.4	6

66	Interaction Between Pilocarpine and Ripasudil on Intraocular Pressure, Pupil Diameter, and the Aqueous-Outflow Pathway <b>2018</b> , 59, 1844-1854		6
65	Twelve-month efficacy and safety of omidenepag isopropyl, a selective EP2 agonist, in open-angle glaucoma and ocular hypertension: the RENGE study. <i>Japanese Journal of Ophthalmology</i> , <b>2021</b> , 65, 810-819	2.6	6
64	Association between subfoveal choroidal thickness and leakage site on fluorescein angiography in Behçet's uveitis. <i>Scientific Reports</i> , <b>2019</b> , 9, 8612	4.9	5
63	Structural Changes and Astrocyte Response of the Lateral Geniculate Nucleus in a Ferret Model of Ocular Hypertension. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
62	Long noncoding RNA U90926 is crucial for herpes simplex virus type 1 proliferation in murine retinal photoreceptor cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 19406	4.9	5
61	Optic disc cupping characteristics of normal pressure hydrocephalus patients with normal-tension glaucoma. <i>Scientific Reports</i> , <b>2019</b> , 9, 3108	4.9	5
60	Mechanical stretch induces Ca influx and extracellular release of PGE through Piezo1 activation in trabecular meshwork cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 4044	4.9	5
59	Twelve-month efficacy and safety of glaucoma filtration device for surgery in patients with normal-tension glaucoma. <i>Japanese Journal of Ophthalmology</i> , <b>2019</b> , 63, 402-409	2.6	4
58	Effects of topical TGF- $\beta$ 1, TGF- $\beta$ 2, ATX, and LPA on IOP elevation and regulation of the conventional aqueous humor outflow pathway. <i>Molecular Vision</i> , <b>2021</b> , 27, 61-77	2.3	4
57	Benzalkonium Chloride Resistance in on the Ocular Surface of Glaucoma Patients Under Long-Term Administration of Eye Drops. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 9	3.3	4
56	Three-Dimensional Distribution Of Fundus Depolarization and Associating Factors Measured Using Polarization-Sensitive Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 30	3.3	4
55	The Neuroprotective Effect of the Adiponectin Receptor Agonist AdipoRon on Glutamate-Induced Cell Death in Rat Primary Retinal Ganglion Cells. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2019</b> , 35, 535-541	2.6	3
54	Development and characterization of a new rat ocular hypertension model induced by intracameral injection of conjunctival fibroblasts. <i>Scientific Reports</i> , <b>2019</b> , 9, 6593	4.9	3
53	Cancer-associated Retinopathy Developing After 10 Years of Complete Breast Cancer Remission. <i>Neuro-Ophthalmology</i> , <b>2019</b> , 43, 36-42	0.9	3
52	Light Stress-Induced Increase of Sphingosine 1-Phosphate in Photoreceptors and Its Relevance to Retinal Degeneration. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
51	Effects of ROCK Inhibitors on Apoptosis of Corneal Endothelial Cells in CMV-Positive Posner-Schlossman Syndrome Patients <b>2020</b> , 61, 5		3
50	Intraocular pressure-lowering medications during pregnancy and risk of neonatal adverse outcomes: a propensity score analysis using a large database. <i>British Journal of Ophthalmology</i> , <b>2021</b> , 105, 1390-1394	5.5	3
49	Omidenepag isopropyl ophthalmic solution for open-angle glaucoma and ocular hypertension: an update. <i>Expert Review of Ophthalmology</i> , <b>2021</b> , 16, 243-250	1.5	3

48	Crosstalk between transforming growth factor $\beta$ and Autotaxin in trabecular meshwork and different subtypes of glaucoma. <i>Journal of Biomedical Science</i> , <b>2021</b> , 28, 47	13.3	3
47	Human U90926 orthologous long non-coding RNA as a novel biomarker for visual prognosis in herpes simplex virus type-1 induced acute retinal necrosis. <i>Scientific Reports</i> , <b>2021</b> , 11, 12164	4.9	3
46	Effect of Travoprost and Nonsteroidal Anti-Inflammatory Drug on Diurnal Intraocular Pressure in Normal Subjects with Low-Teen Baseline Intraocular Pressure. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2016</b> , 32, 365-70	2.6	3
45	Comparison of 12-month surgical outcomes of ab interno trabeculotomy with phacoemulsification between spatula-shaped and dual-blade microhooks. <i>Japanese Journal of Ophthalmology</i> , <b>2021</b> , 65, 402-408	2.6	3
44	Activation of the Sphingosine 1 Phosphate-Rho Pathway in Pterygium and in Ultraviolet-Irradiated Normal Conjunctiva. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	2
43	Toxicity profiles of fixed-combination eye drops for glaucoma therapy using cultivated human corneal epithelial sheets. <i>Japanese Journal of Ophthalmology</i> , <b>2020</b> , 64, 304-311	2.6	2
42	Prospective evaluation of visual function in patients with ocular diseases after robot-assisted laparoscopic prostatectomy. <i>International Journal of Urology</i> , <b>2020</b> , 27, 307-312	2.3	2
41	SLC1A1 Gene Variants and Normal Tension Glaucoma: An Association Study. <i>Ophthalmic Genetics</i> , <b>2016</b> , 37, 194-200	1.2	2
40	Recent trends in glaucoma surgery: a nationwide database study in Japan, 2011-2019.. <i>Japanese Journal of Ophthalmology</i> , <b>2022</b> , 66, 183	2.6	2
39	TRPV4 is activated by mechanical stimulation to induce prostaglandins release in trabecular meshwork, lowering intraocular pressure. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258911	3.7	2
38	Long-term changes and effect of pterygium size on corneal topographic irregularity after recurrent pterygium surgery. <i>Scientific Reports</i> , <b>2020</b> , 10, 8398	4.9	2
37	Reoperation rates after Ex-PRESS versus trabeculectomy for primary open-angle or normal-tension glaucoma: a national database study in Japan. <i>Eye</i> , <b>2020</b> , 34, 1069-1076	4.4	2
36	Panophthalmitis after Pecking by a Great Egret (). <i>Case Reports in Ophthalmology</i> , <b>2020</b> , 11, 466-472	0.7	2
35	Investigation of intraocular pressure of the anterior chamber and vitreous cavity of porcine eyes via a novel method. <i>Scientific Reports</i> , <b>2020</b> , 10, 20552	4.9	2
34	Neuroprotective role of sphingolipid rheostat in excitotoxic retinal ganglion cell death. <i>Experimental Eye Research</i> , <b>2021</b> , 208, 108623	3.7	2
33	Comparisons of Clinical Features in Japanese Patients with Behçet's Uveitis Treated in the 1990s and the 2000s. <i>Ocular Immunology and Inflammation</i> , <b>2020</b> , 28, 262-269	2.8	2
32	Effects of mammalian target of rapamycin inhibitors on fibrosis after trabeculectomy. <i>Experimental Eye Research</i> , <b>2021</b> , 203, 108421	3.7	2
31	Effects of selective EP2 receptor agonist, omidenepag, on trabecular meshwork cells, Schlemm's canal endothelial cells and ciliary muscle contraction. <i>Scientific Reports</i> , <b>2021</b> , 11, 16257	4.9	2

30	Effect of postoperative corticosteroids on surgical outcome and aqueous autotaxin following combined cataract and microhook ab interno trabeculotomy. <i>Scientific Reports</i> , <b>2021</b> , 11, 747	4.9	2
29	Development of a Spherical Model with a 3D Microchannel: An Application to Glaucoma Surgery. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	1
28	Effect of Metabolic Syndrome on Blood Pressure Changes During Cataract Surgery. <i>Asia-Pacific Journal of Ophthalmology</i> , <b>2020</b> , 9, 14-19	3.5	1
27	Response to Novack re: "Pharmacokinetic Analysis of Intraocular Penetration of Latanoprost Solutions with Different Preservatives in Human Eyes". <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2018</b> , 34, 431	2.6	1
26	Eye surgery simulator for training intracular operation of inner limiting membrane <b>2017</b> ,		1
25	Conjunctival vasculature patterns influencing the filtering bleb shape following trabeculectomy with limbal-based conjunctival flaps. <i>Japanese Journal of Ophthalmology</i> , <b>2009</b> , 53, 374-9	2.6	1
24	Reproducibility of deep learning based scleral spur localisation and anterior chamber angle measurements from anterior segment optical coherence tomography images.. <i>British Journal of Ophthalmology</i> , <b>2022</b> ,	5.5	1
23	The Roles Played by FP/EP3 Receptors During Pressure-lowering in Mouse Eyes Mediated by a Dual FP/EP3 Receptor Agonist. <b>2022</b> , 63, 24		1
22	Longitudinal assessment of optic nerve head changes using optical coherence tomography in a primate microbead model of ocular hypertension. <i>Scientific Reports</i> , <b>2020</b> , 10, 14709	4.9	1
21	Imaging of a retinal pigment epithelium aperture using polarization-sensitive optical coherence tomography. <i>Japanese Journal of Ophthalmology</i> , <b>2021</b> , 65, 30-41	2.6	1
20	Recent trends in vitreoretinal surgery: a nationwide database study in Japan, 2010-2017. <i>Japanese Journal of Ophthalmology</i> , <b>2021</b> , 65, 54-62	2.6	1
19	mTOR inhibitors potentially reduce TGF- $\beta$ -induced fibrogenic changes in trabecular meshwork cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 14111	4.9	1
18	Diagnostic ability and sectoral structure-function relationship of circumpapillary and macular superficial vessel density in early glaucomatous eyes.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5991	4.9	1
17	Corneal Graft Rejection after Descemet's Membrane Endothelial Keratoplasty with Peripheral Anterior Synechiae.. <i>Case Reports in Ophthalmology</i> , <b>2022</b> , 13, 17-22	0.7	0
16	Visual cortex damage in a ferret model of ocular hypertension.. <i>Japanese Journal of Ophthalmology</i> , <b>2022</b> , 66, 205	2.6	0
15	Long-term results of the safety and effectiveness of a novel microshunt in Japanese patients with primary open-angle glaucoma.. <i>Japanese Journal of Ophthalmology</i> , <b>2022</b> , 66, 33	2.6	0
14	Corneal topography in keratoconus evaluated more than 30 years after penetrating keratoplasty: a Fourier harmonic analysis. <i>Scientific Reports</i> , <b>2020</b> , 10, 14880	4.9	0
13	The Additive Effect of ROCK Inhibitor on Prostaglandin-Treated Japanese Patients with Glaucoma Indicating 15 mmHg and Under: ROCK U-15. <i>Advances in Therapy</i> , <b>2021</b> , 38, 3760-3770	4.1	0

12	Clinical Courses Of Corneal Endothelial Dysfunction Due To Milky Latex-Induced Injury: A Case Series. <i>Clinical Ophthalmology</i> , <b>2019</b> , 13, 2293-2299	2.5	o
11	Eye drops for dry eye disease during pregnancy and adverse neonatal outcomes: high-dimensional propensity score analyses. <i>Ophthalmic Epidemiology</i> , <b>2021</b> , 1-10	1.9	o
10	Comparison of Corneal Irregularity After Recurrent and Primary Pterygium Surgery Using Fourier Harmonic Analysis. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 13	3.3	o
9	Mitochondrial glutathione peroxidase 4 is indispensable for photoreceptor development and survival in mice.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101824	5.4	o
8	Potential Mechanisms of Intraocular Pressure Reduction by Micropulse Transscleral Cyclophotocoagulation in Rabbit Eyes <b>2022</b> , 63, 3		o
7	Observation of Outer Retinal Tubulation Using En face Optical Coherence Tomography. <i>Japanese Orthoptic Journal</i> , <b>2017</b> , 46, 239-244		o
6	The effects of antithrombotic therapy in ab interno trabeculotomy with a spatula-shaped microhook.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262548	3.7	
5	Effects of corneal epithelial superficial keratectomy in patients with focal limbal stem cell disease.. <i>American Journal of Ophthalmology Case Reports</i> , <b>2022</b> , 25, 101239	1.3	
4	A Case of Irreversible Corneal Edema Associated with Dentatorubropallidoluysian Atrophy Following Corneal Endothelial Transplantation. <i>SN Comprehensive Clinical Medicine</i> , <b>2021</b> , 3, 2029-2032	2.7	
3	Assessment of macular function in patients with non-vascularized pigment epithelial detachment. <i>Scientific Reports</i> , <b>2021</b> , 11, 16577	4.9	
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