

Akira Hirata

List of Publications by Year in descending order

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95
papers

2,488
citations

186265

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times ranked

2168
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#	ARTICLE	IF	CITATIONS
1	Possible Predisposing Factors for In-the-Bag and Out-of-the-Bag Intraocular Lens Dislocation and Outcomes of Intraocular Lens Exchange Surgery. <i>Ophthalmology</i> , 2007, 114, 969-975.	5.2	201
2	Vitreous fluid levels of β -amyloid(1-42) and tau in patients with retinal diseases. <i>Japanese Journal of Ophthalmology</i> , 2005, 49, 106-108.	1.9	153
3	Effect of infusion air pressure on visual field defects after macular hole surgery. <i>American Journal of Ophthalmology</i> , 2000, 130, 611-616.	3.3	96
4	Morphological changes of choriocapillaris in experimentally induced chick myopia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1998, 236, 132-137.	1.9	77
5	Vitreous opacities and outcome of vitreous surgery in patients with familial amyloidotic polyneuropathy. <i>American Journal of Ophthalmology</i> , 2003, 135, 188-193.	3.3	65
6	Transthyretin synthesis in rabbit ciliary pigment epithelium. <i>Experimental Eye Research</i> , 2005, 81, 306-312.	2.6	64
7	Persistent subretinal indocyanine green induces retinal pigment epithelium atrophy. <i>American Journal of Ophthalmology</i> , 2003, 136, 353-355.	3.3	62
8	Long-Term Effect of Surface Light Scattering and Glistenings of Intraocular Lenses on Visual Function. <i>American Journal of Ophthalmology</i> , 2012, 154, 240-251.e2.	3.3	58
9	Secondary Glaucoma in Patients With Familial Amyloidotic Polyneuropathy. <i>JAMA Ophthalmology</i> , 2003, 121, 351.	2.4	56
10	Targeted conversion of the transthyretin gene in vitro and in vivo. <i>Gene Therapy</i> , 2004, 11, 838-846.	4.5	54
11	Elevated erythropoietin in vitreous with ischemic retinal diseases. <i>NeuroReport</i> , 2004, 15, 877-879.	1.2	54
12	Membrane Active Lipids in Remnant Lipoproteins Cause Impairment of Endothelium-Dependent Vasorelaxation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1918-1924.	2.4	52
13	Changes in choriocapillaris fenestration of rat eyes after intravitreal bevacizumab injection. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 1089-1094.	1.9	52
14	Posterior Vitreous Detachment Induced by Nattokinase (Subtilisin NAT): A Novel Enzyme for Pharmacologic Vitreolysis. , 2006, 47, 2075.		49
15	Cataract surgery in eyes with low corneal endothelial cell density. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 1419-1425.	1.5	49
16	Autologous Plasmin-Assisted Vitrectomy for Stage 5 Retinopathy of Prematurity: A Preliminary Trial. <i>American Journal of Ophthalmology</i> , 2007, 144, 139-141.	3.3	48
17	Intravitreal Plasmin Injection Activates Endogenous Matrix Metalloproteinase-2 in Rabbit and Human Vitreous. <i>American Journal of Ophthalmology</i> , 2005, 140, 654-660.	3.3	46
18	Changes in diabetic macular oedema after phacoemulsification surgery. <i>Eye</i> , 2009, 23, 389-396.	2.1	45

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19	Y-27632, a Rho-associated protein kinase inhibitor, attenuates neuronal cell death after transient retinal ischemia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 246, 51-59.	1.9	43
20	Long-Term Change in Corneal Astigmatism After Sutureless Cataract Surgery. <i>American Journal of Ophthalmology</i> , 2011, 151, 858-865.	3.3	41
21	Prospective, noncomparative, nonrandomized case study of short-term outcomes of 360° suture trabeculotomy ab interno in patients with open-angle glaucoma. <i>Clinical Ophthalmology</i> , 2015, 9, 63.	1.8	40
22	Neuroprotective effects of interleukin-6 on NMDA-induced rat retinal damage. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 226-232.	2.1	39
23	PLASMIN-ASSISTED VITRECTOMY FOR MANAGEMENT OF PROLIFERATIVE MEMBRANE IN PROLIFERATIVE DIABETIC RETINOPATHY. <i>Retina</i> , 2007, 27, 1074-1078.	1.7	39
24	Fundus changes corresponding to visual field defects after vitrectomy for macular hole. <i>Ophthalmology</i> , 2001, 108, 1638-1643.	5.2	38
25	Coinduction of Nitric Oxide Synthase and Arginine Metabolic Enzymes in Endotoxin-induced Uveitis Rats. <i>Experimental Eye Research</i> , 2002, 75, 659-667.	2.6	38
26	Amyloid deposition in ocular tissues of patients with familial amyloidotic polyneuropathy (FAP). <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2002, 9, 183-189.	3.0	36
27	Morphological damage in rabbit retina caused by subretinal injection of indocyanine green. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 158-164.	1.9	36
28	Ocular Amyloid Angiopathy Associated with Familial Amyloidotic Polyneuropathy Caused by Amyloidogenic Transthyretin Y114C. <i>Ophthalmology</i> , 2005, 112, 2212.e1-2212.e8.	5.2	36
29	Lacquer crack lesions in experimental chick myopia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1998, 236, 138-145.	1.9	35
30	Posterior Vitreous Detachment in Highly Myopic Patients. , 2020, 61, 33.		32
31	Sex-Related Differences in the Progression of Posterior Vitreous Detachment with Age. <i>Ophthalmology Retina</i> , 2019, 3, 237-243.	2.4	31
32	A case of vitreous amyloidosis without systemic symptoms in familial amyloidotic polyneuropathy. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2004, 11, 257-259.	3.0	30
33	A case of primary B-cell type Non-Hodgkin lymphoma originating in the iris. <i>American Journal of Ophthalmology</i> , 2003, 136, 380-382.	3.3	28
34	Anterior capsule relaxing incisions with neodymium:YAG laser for patients at high-risk for anterior capsule contraction. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 97-103.	1.5	28
35	Visual outcomes in eyes with a distance-dominant diffractive multifocal intraocular lens with low near addition power. <i>British Journal of Ophthalmology</i> , 2015, 99, 1466-1470.	3.9	26
36	Relationship between the morphology of the foveal avascular zone and the degree of aniseikonia before and after vitrectomy in patients with unilateral epiretinal membrane. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 507-515.	1.9	25

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37	Sex-related differences in corneal astigmatism and shape with age. <i>Journal of Cataract and Refractive Surgery</i> , 2018, 44, 1130-1139.	1.5	23
38	Changes in shape and astigmatism of total, anterior, and posterior cornea after long versus short clear corneal incision cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2018, 44, 39-49.	1.5	22
39	360-degree suture trabeculotomy ab interno to treat open-angle glaucoma: 2-year outcomes. <i>Clinical Ophthalmology</i> , 2018, Volume 12, 915-923.	1.8	21
40	Feasibility of using gelatin-microbial transglutaminase complex to repair experimental retinal detachment in rabbit eyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 1109-1114.	1.9	20
41	Intraocular Pressure and Wound Status in Eyes Immediately After Scleral Tunnel Incision and Clear Corneal Incision Cataract Surgery. <i>American Journal of Ophthalmology</i> , 2014, 158, 232-241.	3.3	20
42	Expression of a Chondroitin Sulfate Proteoglycan, Versican (PG-M), During Development of Rat Cornea. <i>Current Eye Research</i> , 2005, 30, 455-463.	1.5	19
43	A classification system of intraocular lens dislocation sites under operating microscopy, and the surgical techniques and outcomes of exchange surgery. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 505-513.	1.9	19
44	Ruptured internal limiting membrane associated with blunt trauma revealed by indocyanine green staining. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 527-530.	1.9	18
45	Transient ciliochoroidal detachment after 360-degree suture trabeculotomy ab interno for open-angle glaucoma: 12-month follow-up. <i>Eye</i> , 2019, 33, 1081-1089.	2.1	18
46	A case of bilateral central retinal artery obstruction with patent foramen ovale. <i>Acta Ophthalmologica</i> , 2004, 82, 111-112.	0.3	17
47	Influence of Patient Age at Surgery on Long-Term Corneal Astigmatic Change Subsequent to Cataract Surgery. <i>American Journal of Ophthalmology</i> , 2015, 160, 171-178.e1.	3.3	17
48	Changes in corneal astigmatism during 20 years after cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 615-621.	1.5	16
49	Choroidal dye filling velocity in patients with Vogt-Koyanagi-Harada disease. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2006, 244, 1056-1059.	1.9	15
50	Higher-order aberrations and visual function in pseudophakic eyes with a toric intraocular lens. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1156-1165.	1.5	15
51	A simulated eye for vitreous surgery using Japanese quail eggs. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 1621-1624.	1.9	15
52	Binocular visual function with a diffractive multifocal intraocular lens in patients with unilateral cataract. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 851-858.	1.5	15
53	Trans-Tenon Retrobulbar Triamcinolone Injection for Macular Edema Associated With Branch Retinal Vein Occlusion Remaining After Vitrectomy. <i>American Journal of Ophthalmology</i> , 2005, 140, 540-542.	3.3	14
54	Patching retinal breaks with Seprafilm® in experimental rhegmatogenous retinal detachment of rabbit eyes. <i>Eye</i> , 2009, 23, 2256-2259.	2.1	14

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55	Three-Dimensional Analysis of Peeled Internal Limiting Membrane Using Focused Ion Beam/Scanning Electron Microscopy. <i>Translational Vision Science and Technology</i> , 2018, 7, 15.	2.2	14
56	360-degree suture trabeculotomy ab interno with phacoemulsification in open-angle glaucoma and coexisting cataract: a pilot study. <i>BMJ Open Ophthalmology</i> , 2018, 3, e000159.	1.6	14
57	Lens epithelium-derived growth factor: neuroprotection on rat retinal damage induced by N-methyl-d-aspartate. <i>Brain Research</i> , 2003, 991, 163-170.	2.2	13
58	Changes in Irregular Corneal Astigmatism With Age in Eyes With and Without Cataract Surgery. , 2015, 56, 7988.		13
59	Occurrence of capsular delamination in the dislocated in-the-bag intraocular lens. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1409-1415.	1.9	12
60	Intraocular infiltration of adult T-cell leukemia. <i>American Journal of Ophthalmology</i> , 2002, 134, 616-618.	3.3	11
61	Outcomes of 360° suture trabeculotomy with deep sclerectomy combined with cataract surgery for primary open angle glaucoma and coexisting cataract. <i>Clinical Ophthalmology</i> , 2014, 8, 1301.	1.8	11
62	Long-term alteration in the air-infused rabbit retina. , 2003, 241, 314-320.		10
63	NEW INFUSION CANNULA FOR PREVENTION OF RETINAL DAMAGE BY INFUSION AIR DURING VITRECTOMY. <i>Retina</i> , 2003, 23, 682-685.	1.7	10
64	Neuroprotective Effect of Small Interfering RNA Targeted to Caspase-3 on Rat Retinal Ganglion Cell Loss Induced by Ischemia and Reperfusion Injury. <i>Current Eye Research</i> , 2012, 37, 907-913.	1.5	10
65	In-the-bag scleral suturing of intraocular lens in eyes with severe zonular dehiscence. <i>Eye</i> , 2012, 26, 88-95.	2.1	10
66	Removal of choroidal neovascular membrane in a case of macular hole after anti-VEGF therapy for age-related macular degeneration. <i>American Journal of Ophthalmology Case Reports</i> , 2018, 9, 14-17.	0.7	10
67	Morphometric analysis in mouse scleral fibroblasts using focused ion beam/scanning electron microscopy. <i>Scientific Reports</i> , 2019, 9, 6329.	3.3	10
68	The Effect of Subtenon Triamcinolone Acetonide Injection for Diabetic Macular Edema on Retinal and Choroidal Circulation. <i>American Journal of Ophthalmology</i> , 2005, 140, 948-949.	3.3	9
69	Contractility of temporal inverted internal limiting membrane flap after vitrectomy for macular hole. <i>Scientific Reports</i> , 2021, 11, 20035.	3.3	9
70	Expression of glycosaminoglycans during development of the rat retina. <i>Current Eye Research</i> , 2003, 27, 75-83.	1.5	8
71	Short-term outcomes of combined implantation of diffractive multifocal intraocular lenses with different addition power. <i>Acta Ophthalmologica</i> , 2015, 93, e287-93.	1.1	8
72	Posterior vitreous detachment in patients with diabetes mellitus. <i>Japanese Journal of Ophthalmology</i> , 2020, 64, 187-195.	1.9	8

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73	Severe retinal atrophy due to retinal and choroidal vascular occlusion following triamcinolone injection into the nasal mucosa. <i>Japanese Journal of Ophthalmology</i> , 2008, 52, 510-511.	1.9	7
74	Macular pucker formation after macular hole surgery with inverted internal limiting membrane flap technique and silicone oil tamponade. <i>American Journal of Ophthalmology Case Reports</i> , 2020, 19, 100847.	0.7	7
75	Long-term changes in the refractive effect of a toric intraocular lens on astigmatism correction. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 509-519.	1.9	7
76	Relapse of Vogt-Koyanagi-Harada Disease during Interferon- α and Ribavirin Therapy in a Case of Chronic Viral Hepatitis C. <i>Case Reports in Ophthalmology</i> , 2011, 2, 5-9.	0.7	6
77	Cytoplasmic Ca ²⁺ mobilization and Ca ²⁺ -dependent membrane currents in dispersed bovine ciliary muscle cells. <i>Current Eye Research</i> , 1997, 16, 436-444.	1.5	5
78	Eccrine Hidrocystoma Arising at the Tarsal Plate during Childhood. <i>Case Reports in Ophthalmology</i> , 2013, 4, 61-63.	0.7	5
79	Mitomycin C trabeculectomy in an eye with cicatricial conjunctiva following amniotic membrane transplantation. <i>Acta Ophthalmologica</i> , 2003, 81, 673-674.	0.3	4
80	Intraocular pressure and wound state immediately after long versus short clear corneal incision cataract surgery. <i>Japanese Journal of Ophthalmology</i> , 2018, 62, 621-627.	1.9	4
81	Fluorescein and Indocyanine Green Angiographic Findings in Progressive Hemifacial Atrophy. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2009, 46, 56-58.	0.7	4
82	Comparison of long-term astigmatic changes following cataract surgery among types of corneal astigmatism. <i>British Journal of Ophthalmology</i> , 2023, 107, 920-926.	3.9	4
83	Observation of Peripheral Retina by Topical Endoscopic Imaging Method—A Preliminary Study. <i>Ophthalmology and Therapy</i> , 2013, 2, 11-18.	2.3	3
84	Use of an Ophthalmic Viscosurgical Device for Experimental Retinal Detachment in Rabbit Eyes. <i>Journal of Functional Biomaterials</i> , 2013, 4, 6-13.	4.4	3
85	Binocular visual function of myopic pseudophakic monovision. <i>Japanese Journal of Ophthalmology</i> , 2018, 62, 357-364.	1.9	3
86	Viability of Topical Endoscopic Imaging System for Vitreous Surgery in Rabbit Eyes. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2012, 43, e64-7.	0.7	3
87	Posterior vitreous detachment after cataract surgery in eyes with high myopia: an optical coherence tomography study. <i>Japanese Journal of Ophthalmology</i> , 2022, 66, 167.	1.9	3
88	Surgical treatment of complete anterior capsule contraction after cataract surgery. <i>Acta Ophthalmologica</i> , 2003, 82, 461-462.	0.3	2
89	A case of self-insertion of a foreign object into the lacrimal sac. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 1443-1444.	1.9	2
90	Pupillary light response after cataract surgery in healthy patients. <i>Japanese Journal of Ophthalmology</i> , 2021, 65, 616-623.	1.9	2

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91	A case of Chandler's syndrome revealed by ultrastructural studies of the trabecular meshwork. <i>Acta Ophthalmologica</i> , 2005, 83, 113-114.	0.3	1
92	Response to: A classification system of intraocular lens dislocation sites under operating microscopy and surgical techniques and outcomes of exchange surgery. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 2489-2491.	1.9	1
93	Fracture of intraocular forceps during vitrectomy. <i>Acta Ophthalmologica</i> , 2006, 85, 223-223.	0.3	0
94	A Simple and Easy Method Using Rigid Endoscope to Detect Iridocorneal and Keratolenticular Adhesions in Peters' Anomaly. <i>Case Reports in Ophthalmology</i> , 2013, 4, 238-242.	0.7	0
95	Age-related appearance of lamellar structures in lens capsule of cataractous eyes and its pathological significance. <i>Journal of Cataract and Refractive Surgery</i> , 2022, Publish Ahead of Print, .	1.5	0