

Toshio Hisatomi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

3,597
citations

30
h-index

58
g-index

94
ext. papers

4,081
ext. citations

4.9
avg, IF

4.62
L-index

#	Paper	IF	Citations
91	Receptor interacting protein kinases mediate retinal detachment-induced photoreceptor necrosis and compensate for inhibition of apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21695-700	11.5	249
90	Monocyte chemoattractant protein 1 mediates retinal detachment-induced photoreceptor apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2425-30	11.5	227
89	Brilliant blue G selectively stains the internal limiting membrane/brilliant blue G-assisted membrane peeling. <i>Retina</i> , 2006 , 26, 631-6	3.6	199
88	Laboratory evidence of sustained chronic inflammatory reaction in retinitis pigmentosa. <i>Ophthalmology</i> , 2013 , 120, e5-12	7.3	172
87	Triamcinolone-assisted pars plana vitrectomy improves the surgical procedures and decreases the postoperative blood-ocular barrier breakdown. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2002 , 240, 423-9	3.8	167
86	Morphological and functional damage of the retina caused by intravitreal indocyanine green in rat eyes. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2002 , 240, 209-13	3.8	153
85	Relocalization of apoptosis-inducing factor in photoreceptor apoptosis induced by retinal detachment in vivo. <i>American Journal of Pathology</i> , 2001 , 158, 1271-8	5.8	144
84	Receptor interacting protein kinase mediates necrotic cone but not rod cell death in a mouse model of inherited degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14598-603	11.5	137
83	Clinical evidence of sustained chronic inflammatory reaction in retinitis pigmentosa. <i>Ophthalmology</i> , 2013 , 120, 100-5	7.3	135
82	Photoreceptor cell death and rescue in retinal detachment and degenerations. <i>Progress in Retinal and Eye Research</i> , 2013 , 37, 114-40	20.5	134
81	Preclinical investigation of internal limiting membrane staining and peeling using intravitreal brilliant blue G. <i>Retina</i> , 2006 , 26, 623-30	3.6	121
80	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. <i>Current Eye Research</i> , 2002 , 24, 161-72	2.9	120
79	Ultrastructure of the vitreoretinal interface following the removal of the internal limiting membrane using indocyanine green. <i>Current Eye Research</i> , 2003 , 27, 395-9	2.9	86
78	Clearance of apoptotic photoreceptors: elimination of apoptotic debris into the subretinal space and macrophage-mediated phagocytosis via phosphatidylserine receptor and integrin alphavbeta3. <i>American Journal of Pathology</i> , 2003 , 162, 1869-79	5.8	85
77	Inhibition of nuclear translocation of apoptosis-inducing factor is an essential mechanism of the neuroprotective activity of pigment epithelium-derived factor in a rat model of retinal degeneration. <i>American Journal of Pathology</i> , 2008 , 173, 1326-38	5.8	84
76	Biocompatibility of brilliant blue G in a rat model of subretinal injection. <i>Retina</i> , 2007 , 27, 499-504	3.6	73
75	Possible benefits of triamcinolone-assisted pars plana vitrectomy for retinal diseases. <i>Retina</i> , 2003 , 23, 764-70	3.6	69

74	Dynamic increase in extracellular ATP accelerates photoreceptor cell apoptosis via ligation of P2RX7 in subretinal hemorrhage. <i>PLoS ONE</i> , 2013 , 8, e53338	3.7	57
73	Critical involvement of extracellular ATP acting on P2RX7 purinergic receptors in photoreceptor cell death. <i>American Journal of Pathology</i> , 2011 , 179, 2798-809	5.8	57
72	Staining ability and biocompatibility of brilliant blue G: preclinical study of brilliant blue G as an adjunct for capsular staining. <i>JAMA Ophthalmology</i> , 2006 , 124, 514-9		57
71	HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2025-38	15.9	47
70	Immunoregulatory role of ocular macrophages: the macrophages produce RANTES to suppress experimental autoimmune uveitis. <i>Journal of Immunology</i> , 2003 , 171, 2652-9	5.3	44
69	The clinical efficacy of a topical dorzolamide in the management of cystoid macular edema in patients with retinitis pigmentosa. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2012 , 250, 809-14	3.8	41
68	TNF- α disrupts morphologic and functional barrier properties of polarized retinal pigment epithelium. <i>Experimental Eye Research</i> , 2013 , 110, 59-69	3.7	37
67	Therapeutic effect of prolonged treatment with topical dorzolamide for cystoid macular oedema in patients with retinitis pigmentosa. <i>British Journal of Ophthalmology</i> , 2013 , 97, 1187-91	5.5	36
66	Cellular migration associated with macular hole: a new method for comprehensive bird's-eye analysis of the internal limiting membrane. <i>JAMA Ophthalmology</i> , 2006 , 124, 1005-11		34
65	Optical coherence tomography angiography of the macular microvasculature changes in retinitis pigmentosa. <i>Acta Ophthalmologica</i> , 2018 , 96, e59-e67	3.7	32
64	Triamcinolone acetate-assisted pars plana vitrectomy improves residual posterior vitreous hyaloid removal: ultrastructural analysis of the inner limiting membrane. <i>Retina</i> , 2007 , 27, 174-9	3.6	31
63	Factors affecting visual acuity after cataract surgery in patients with retinitis pigmentosa. <i>Ophthalmology</i> , 2015 , 122, 903-8	7.3	30
62	A new method for comprehensive bird's-eye analysis of the surgically excised internal limiting membrane. <i>American Journal of Ophthalmology</i> , 2005 , 139, 1121-2	4.9	30
61	Correlation between macular blood flow and central visual sensitivity in retinitis pigmentosa. <i>Acta Ophthalmologica</i> , 2015 , 93, e644-8	3.7	29
60	MutT homolog-1 attenuates oxidative DNA damage and delays photoreceptor cell death in inherited retinal degeneration. <i>American Journal of Pathology</i> , 2012 , 181, 1378-86	5.8	29
59	TNF- α decreases VEGF secretion in highly polarized RPE cells but increases it in non-polarized RPE cells related to crosstalk between JNK and NF- κ B pathways. <i>PLoS ONE</i> , 2013 , 8, e69994	3.7	29
58	Relationship between aqueous flare and visual function in retinitis pigmentosa. <i>American Journal of Ophthalmology</i> , 2015 , 159, 958-63.e1	4.9	27
57	Optical Coherence Tomography Angiography Reveals Spatial Bias of Macular Capillary Dropout in Diabetic Retinopathy 2017 , 58, 4889-4897		26

56	Risk Factors for Posterior Subcapsular Cataract in Retinitis Pigmentosa 2017 , 58, 2534-2537		25
55	Toxic effects of extracellular histones and their neutralization by vitreous in retinal detachment. <i>Laboratory Investigation</i> , 2014 , 94, 569-85	5.9	24
54	Genetic LAMP2 deficiency accelerates the age-associated formation of basal laminar deposits in the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23724-23734	11.5	22
53	MUTYH promotes oxidative microglial activation and inherited retinal degeneration. <i>JCI Insight</i> , 2016 , 1, e87781	9.9	21
52	Individualized, spectral domain-optical coherence tomography-guided facedown posturing after macular hole surgery: minimizing treatment burden and maximizing outcome. <i>Retina</i> , 2014 , 34, 1367-75	3.6	20
51	Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. <i>Experimental Neurology</i> , 2009 , 218, 347-52	5.7	20
50	Penetration of bevacizumab and ranibizumab through retinal pigment epithelial layer in vitro. <i>Retina</i> , 2015 , 35, 1007-15	3.6	18
49	Differential association of elevated inflammatory cytokines with postoperative fibrous proliferation and neovascularization after unsuccessful vitrectomy in eyes with proliferative diabetic retinopathy. <i>Clinical Ophthalmology</i> , 2017 , 11, 1697-1705	2.5	17
48	INTERNAL LIMITING MEMBRANE PEELING-DEPENDENT RETINAL STRUCTURAL CHANGES AFTER VITRECTOMY IN RHEGMATOGENOUS RETINAL DETACHMENT. <i>Retina</i> , 2018 , 38, 471-479	3.6	16
47	Therapeutic Effect of Novel Single-Stranded RNAi Agent Targeting Periostin in Eyes with Retinal Neovascularization. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 6, 279-289	10.7	15
46	Tenascin-C promotes angiogenesis in fibrovascular membranes in eyes with proliferative diabetic retinopathy. <i>Molecular Vision</i> , 2016 , 22, 436-45	2.3	15
45	Association Between Aqueous Flare and Epiretinal Membrane in Retinitis Pigmentosa 2016 , 57, 4282-6		15
44	Tenascin-C secreted by transdifferentiated retinal pigment epithelial cells promotes choroidal neovascularization via integrin α . <i>Laboratory Investigation</i> , 2016 , 96, 1178-1188	5.9	15
43	Visual Outcomes Based on Early Response to Anti-Vascular Endothelial Growth Factor Treatment for Diabetic Macular Edema. <i>Ophthalmologica</i> , 2018 , 239, 94-102	3.7	14
42	Relations Among Foveal Blood Flow, Retinal-Choroidal Structure, and Visual Function in Retinitis Pigmentosa 2018 , 59, 1134-1143		14
41	Distinct Profiles of Soluble Cytokine Receptors Between B-Cell Vitreoretinal Lymphoma and Uveitis 2015 , 56, 7516-23		14
40	The regulatory roles of apoptosis-inducing factor in the formation and regression processes of ocular neovascularization. <i>American Journal of Pathology</i> , 2012 , 181, 53-61	5.8	14
39	Decrease in the number of microaneurysms in diabetic macular edema after anti-vascular endothelial growth factor therapy: implications for indocyanine green angiography-guided detection of refractory microaneurysms. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 58, 735-741	3.8	13

38	Discovery of a Cynomolgus Monkey Family With Retinitis Pigmentosa 2018 , 59, 826-830		13
37	Ultrastructural changes of the vitreoretinal interface during long-term follow-up after removal of the internal limiting membrane. <i>American Journal of Ophthalmology</i> , 2014 , 158, 550-6.e1	4.9	13
36	Long-term Surgical Outcomes of Epiretinal Membrane in Patients with Retinitis Pigmentosa. <i>Scientific Reports</i> , 2015 , 5, 13078	4.9	13
35	Decreased proteasomal activity causes photoreceptor degeneration in mice 2014 , 55, 4682-90		13
34	Identification of resident and inflammatory bone marrow derived cells in the sclera by bone marrow and haematopoietic stem cell transplantation. <i>British Journal of Ophthalmology</i> , 2007 , 91, 520-6 ^{5.5}		13
33	Imaging of Retinal Vascular Layers: Adaptive Optics Scanning Laser Ophthalmoscopy Versus Optical Coherence Tomography Angiography. <i>Translational Vision Science and Technology</i> , 2017 , 6, 2	3.3	12
32	Different Effects of Thrombin on VEGF Secretion, Proliferation, and Permeability in Polarized and Non-polarized Retinal Pigment Epithelial Cells. <i>Current Eye Research</i> , 2015 , 40, 936-45	2.9	12
31	Retinal flow density by optical coherence tomography angiography is useful for detection of nonperfused areas in diabetic retinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 2275-2282	3.8	12
30	Therapeutic efficacy of topical unoprostone isopropyl in retinitis pigmentosa. <i>Acta Ophthalmologica</i> , 2014 , 92, e229-34	3.7	11
29	Photocoagulation-induced retinal gliosis is inhibited by systemically expressed soluble TGF-beta receptor type II via adenovirus mediated gene transfer. <i>Laboratory Investigation</i> , 2002 , 82, 863-70	5.9	11
28	Microaneurysm Imaging Using Multiple En Face OCT Angiography Image Averaging: Morphology and Visualization. <i>Ophthalmology Retina</i> , 2020 , 4, 175-186	3.8	11
27	The influence of subretinal injection pressure on the microstructure of the monkey retina. <i>PLoS ONE</i> , 2018 , 13, e0209996	3.7	11
26	C-Reactive protein and progression of vision loss in retinitis pigmentosa. <i>Acta Ophthalmologica</i> , 2018 , 96, e174-e179	3.7	10
25	Assessment of Central Visual Function in Patients with Retinitis Pigmentosa. <i>Scientific Reports</i> , 2018 , 8, 8070	4.9	10
24	Brilliant Blue G double staining enhances successful internal limiting membrane peeling with minimal adverse effect by low cellular permeability into live cells. <i>Retina</i> , 2015 , 35, 310-8	3.6	8
23	PERMEABILITY AND ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR EFFECTS OF BEVACIZUMAB, RANIBIZUMAB, AND AFLIBERCEPT IN POLARIZED RETINAL PIGMENT EPITHELIAL LAYER IN VITRO. <i>Retina</i> , 2017 , 37, 179-190	3.6	8
22	Quantifying metamorphopsia with M-CHARTS in patients with idiopathic macular hole. <i>Clinical Ophthalmology</i> , 2017 , 11, 1719-1726	2.5	7
21	EBI3 is pivotal for the initiation of experimental autoimmune uveitis. <i>Experimental Eye Research</i> , 2014 , 125, 107-13	3.7	7

20	Night-vision aid using see-through display for patients with retinitis pigmentosa. <i>Japanese Journal of Ophthalmology</i> , 2019 , 63, 181-185	2.6	7
19	Effect of Ocular Hypertension on D--Aspartic Acid-Containing Proteins in the Retinas of Rats. <i>Journal of Ophthalmology</i> , 2019 , 2019, 2431481	2	6
18	Crucial role of P2X receptor for effector T cell activation in experimental autoimmune uveitis. <i>Japanese Journal of Ophthalmology</i> , 2018 , 62, 398-406	2.6	6
17	Changes of Serum Inflammatory Molecules and Their Relationships with Visual Function in Retinitis Pigmentosa 2020 , 61, 30		6
16	Direct comparison of retinal structure and function in retinitis pigmentosa by co-registering microperimetry and optical coherence tomography. <i>PLoS ONE</i> , 2019 , 14, e0226097	3.7	6
15	Retinitis pigmentosa associated with asteroid hyalosis. <i>Retina</i> , 2010 , 30, 1278-81	3.6	5
14	Relationships Between Serum Antioxidant and Oxidant Statuses and Visual Function in Retinitis Pigmentosa 2019 , 60, 4462-4468		4
13	Chromovitrectomy and vital dyes. <i>Developments in Ophthalmology</i> , 2014 , 54, 120-5		4
12	INCOMPLETE REPAIR OF RETINAL STRUCTURE AFTER VITRECTOMY WITH INTERNAL LIMITING MEMBRANE PEELING. <i>Retina</i> , 2017 , 37, 1523-1528	3.6	4
11	Vitreous cysts in patients with retinitis pigmentosa. <i>Japanese Journal of Ophthalmology</i> , 2015 , 59, 373-7	2.6	3
10	Periostin and tenascin-C interaction promotes angiogenesis in ischemic proliferative retinopathy. <i>Scientific Reports</i> , 2020 , 10, 9299	4.9	3
9	Vitreous levels of interleukin-35 as a prognostic factor in B-cell vitreoretinal lymphoma. <i>Scientific Reports</i> , 2020 , 10, 15715	4.9	3
8	Ocular findings in a case of Pierson syndrome with a novel mutation in laminin α gene. <i>Journal of AAPOS</i> , 2018 , 22, 401-403.e1	1.3	3
7	Aqueous Flare and Progression of Visual Field Loss in Patients With Retinitis Pigmentosa 2020 , 61, 26		1
6	Development of a novel noninvasive system for measurement and imaging of the arterial phase oxygen density ratio in the retinal microcirculation. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2019 , 257, 557-565	3.8	1
5	OCT predicts VEGF levels in human eyes 2013 , 54, 5375		
4	Neuroprotection for Retinal Detachment 2014 , 275-291		
3	Safety and efficacy of brilliant blue g250 (BBG) for lens capsular staining: a phase III physician-initiated multicenter clinical trial. <i>Japanese Journal of Ophthalmology</i> , 2020 , 64, 455-461	2.6	

- 2 Surgical Outcomes of Contrast Sensitivity and Visual Acuity in Uveitis-Associated Cataract. *Clinical Ophthalmology*, **2021**, 15, 2665-2673 2.5
- 1 Increased vitreous levels of B cell activation factor (BAFF) and soluble interleukin-6 receptor in patients with macular edema due to uveitis related to Behçet's disease and sarcoidosis.. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2022**, 1 3.8