Toshio Hisatomi

List of Publications by Year
in descending order

94 papers	4,518 citations	117625 34 h-index	110387 64 g-index
94 all docs	94 docs citations	94 times ranked	4077 citing authors

#	Article	IF	Citations
1	Receptor interacting protein kinases mediate retinal detachment-induced photoreceptor necrosis and compensate for inhibition of apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21695-21700.	7.1	281
2	Monocyte chemoattractant protein 1 mediates retinal detachment-induced photoreceptor apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2425-2430.	7.1	262
3	BRILLIANT BLUE G SELECTIVELY STAINS THE INTERNAL LIMITING MEMBRANE/BRILLIANT BLUE Gâ€“ASSISTED MEMBRANE PEELING. Retina, 2006, 26, 631-636.	1.7	233
4	Triamcinolone-assisted pars plana vitrectomy improves the surgical procedures and decreases the postoperative bloodâ€“ocular barrier breakdown. Graefe's Archive for Clinical and Experimental Ophthalmology, 2002, 240, 423-429.	1.9	208
5	Morphological and functional damage of the retina caused by intravitreous indocyanine green in rat eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2002, 240, 209-213.	1.9	203
6	Laboratory Evidence of Sustained Chronic Inflammatory Reaction in Retinitis Pigmentosa. Ophthalmology, 2013, 120, e5-e12.	5.2	196
7	Clinical Evidence of Sustained Chronic Inflammatory Reaction in Retinitis Pigmentosa. Ophthalmology, 2013, 120, 100-105.	5.2	188
8	Photoreceptor cell death and rescue in retinal detachment and degenerations. Progress in Retinal and Eye Research, 2013, 37, 114-140.	15.5	179
9	Receptor interacting protein kinase mediates necrotic cone but not rod cell death in a mouse model of inherited degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14598-14603.	7.1	162
10	Relocalization of Apoptosis-Inducing Factor in Photoreceptor Apoptosis Induced by Retinal Detachment in Vivo. American Journal of Pathology, 2001, 158, 1271-1278.	3.8	160
11	PRECLINICAL INVESTIGATION OF INTERNAL LIMITING MEMBRANE STAINING AND PEELING USING INTRAVITREAL BRILLIANT BLUE G. Retina, 2006, 26, 623-630.	1.7	145
12	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. Current Eye Research, 2002, 24, 161-172.	1.5	137
13	Ultrastructure of the vitreoretinal interface following the removal of the internal limiting membrane using indocyanine green. Current Eye Research, 2003, 27, 395-399.	1.5	99
14	Clearance of Apoptotic Photoreceptors. American Journal of Pathology, 2003, 162, 1869-1879.	3.8	94
15	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. American Journal of Pathology, 2008, 173, 1326-1338.	3.8	89
16	BIOCOMPATIBILITY OF BRILLIANT BLUE G IN A RAT MODEL OF SUBRETINAL INJECTION. Retina, 2007, 27, 499-504.	1.7	87
17	Possible Benefits of Triamcinolone-Assisted Pars Plana Vitrectomy for Retinal Diseases. Retina, 2003, 23, 764-770.	1.7	76
18	Critical Involvement of Extracellular ATP Acting on P2RX7 Purinergic Receptors in Photoreceptor Cell Death. American Journal of Pathology, 2011, 179, 2798-2809.	3.8	75

#	Article	IF	Citations
19	Dynamic Increase in Extracellular ATP Accelerates Photoreceptor Cell Apoptosis via Ligation of P2RX7 in Subretinal Hemorrhage. PLoS ONE, 2013, 8, e53338.	2.5	72
20	Staining Ability and Biocompatibility of Brilliant Blue G. JAMA Ophthalmology, 2006, 124, 514.	2.4	66
21	HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. Journal of Clinical Investigation, 2008, 118, 2025-38.	8.2	56
22	The clinical efficacy of a topical dorzolamide in the management of cystoid macular edema in patients with retinitis pigmentosa. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 809-814.	1.9	54
23	Genetic LAMP2 deficiency accelerates the age-associated formation of basal laminar deposits in the retina. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23724-23734.	7.1	54
24	Immunoregulatory Role of Ocular Macrophages: The Macrophages Produce RANTES to Suppress Experimental Autoimmune Uveitis. Journal of Immunology, 2003, 171, 2652-2659.	0.8	52
25	TNF-Î± disrupts morphologic and functional barrier properties of polarized retinal pigment epithelium. Experimental Eye Research, 2013, 110, 59-69.	2.6	49
26	Factors Affecting Visual Acuity after Cataract Surgery in Patients with Retinitis Pigmentosa. Ophthalmology, 2015, 122, 903-908.	5.2	43
27	Therapeutic effect of prolonged treatment with topical dorzolamide for cystoid macular oedema in patients with retinitis pigmentosa. British Journal of Ophthalmology, 2013, 97, 1187-1191.	3.9	42
28	Cellular Migration Associated With Macular Hole. JAMA Ophthalmology, 2006, 124, 1005.	2.4	38
29	TNF-Î± Decreases VEGF Secretion in Highly Polarized RPE Cells but Increases It in Non-Polarized RPE Cells Related to Crosstalk between JNK and NF-ÎºB Pathways. PLoS ONE, 2013, 8, e69994.	2.5	38
30	Optical coherence tomography angiography of the macular microvasculature changes in retinitis pigmentosa. Acta Ophthalmologica, 2018, 96, e59-e67.	1.1	38
31	TRIAMCINOLONE ACETONIDEâ€“ASSISTED PARS PLANA VITRECTOMY IMPROVES RESIDUAL POSTERIOR VITREOUS HYALOID REMOVAL. Retina, 2007, 27, 174-179.	1.7	37
32	Correlation between macular blood flow and central visual sensitivity in retinitis pigmentosa. Acta Ophthalmologica, 2015, 93, e644-8.	1.1	36
33	Optical Coherence Tomography Angiography Reveals Spatial Bias of Macular Capillary Dropout in Diabetic Retinopathy. , 2017, 58, 4889.		36
34	MutT Homolog-1 Attenuates Oxidative DNA Damage and Delays Photoreceptor Cell Death in Inherited Retinal Degeneration. American Journal of Pathology, 2012, 181, 1378-1386.	3.8	35
35	Relationship Between Aqueous Flare and Visual Function in Retinitis Pigmentosa. American Journal of Ophthalmology, 2015, 159, 958-963.e1.	3.3	35
36	Risk Factors for Posterior Subcapsular Cataract in Retinitis Pigmentosa. , 2017, 58, 2534.		35

#	Article	IF	Citations
37	A New Method for Comprehensive Birdâ€™s-eye Analysis of the Surgically Excised Internal Limiting Membrane. American Journal of Ophthalmology, 2005, 139, 1121-1122.	3.3	33
38	Toxic effects of extracellular histones and their neutralization by vitreous in retinal detachment. Laboratory Investigation, 2014, 94, 569-585.	3.7	33
39	Microaneurysm Imaging Using Multiple En Face OCT Angiography Image Averaging. Ophthalmology Retina, 2020, 4, 175-186.	2.4	30
40	Tenascin-C secreted by transdifferentiated retinal pigment epithelial cells promotes choroidal neovascularization via integrin Î±V. Laboratory Investigation, 2016, 96, 1178-1188.	3.7	27
41	INTERNAL LIMITING MEMBRANE PEELINGâ€“DEPENDENT RETINAL STRUCTURAL CHANGES AFTER VITRECTOMY IN RHEGMATOGENOUS RETINAL DETACHMENT. Retina, 2018, 38, 471-479.	1.7	26
42	MUTYH promotes oxidative microglial activation and inherited retinal degeneration. JCI Insight, 2016, 1, e87781.	5.0	26
43	INDIVIDUALIZED, SPECTRAL DOMAIN-OPTICAL COHERENCE TOMOGRAPHYâ€“GUIDED FACEDOWN POSTURING AFTER MACULAR HOLE SURGERY. Retina, 2014, 34, 1367-1375.	1.7	25
44	Discovery of a Cynomolgus Monkey Family With Retinitis Pigmentosa. , 2018, 59, 826.		25
45	Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. Experimental Neurology, 2009, 218, 347-352.	4.1	24
46	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. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 735-741.	1.9	24
47	PENETRATION OF BEVACIZUMAB AND RANIBIZUMAB THROUGH RETINAL PIGMENT EPITHELIAL LAYER IN VITRO. Retina, 2015, 35, 1007-1015.	1.7	22
48	Differential association of elevated inflammatory cytokines with postoperative fibrous proliferation and neovascularization after unsuccessful vitrectomy in eyes with proliferative diabetic retinopathy. Clinical Ophthalmology, 2017, Volume 11, 1697-1705.	1.8	22
49	Relations Among Foveal Blood Flow, Retinal-Choroidal Structure, and Visual Function in Retinitis Pigmentosa. , 2018, 59, 1134.		21
50	Association Between Aqueous Flare and Epiretinal Membrane in Retinitis Pigmentosa. , 2016, 57, 4282.		20
51	Long-term Surgical Outcomes of Epiretinal Membrane in Patients with Retinitis Pigmentosa. Scientific Reports, 2015, 5, 13078.	3.3	19
52	Therapeutic Effect of Novel Single-Stranded RNAi Agent Targeting Periostin in Eyes with Retinal Neovascularization. Molecular Therapy - Nucleic Acids, 2017, 6, 279-289.	5.1	19
53	The influence of subretinal injection pressure on the microstructure of the monkey retina. PLoS ONE, 2018, 13, e0209996.	2.5	19
54	Decreased Proteasomal Activity Causes Photoreceptor Degeneration in Mice. , 2014, 55, 4682.		18

#	Article	IF	Citations
55	The Regulatory Roles of Apoptosis-Inducing Factor in the Formation and Regression Processes of Ocular Neovascularization. American Journal of Pathology, 2012, 181, 53-61.	3.8	17
56	Imaging of Retinal Vascular Layers: Adaptive Optics Scanning Laser Ophthalmoscopy Versus Optical Coherence Tomography Angiography. Translational Vision Science and Technology, 2017, 6, 2.	2.2	17
57	Visual Outcomes Based on Early Response to Anti-Vascular Endothelial Growth Factor Treatment for Diabetic Macular Edema. Ophthalmologica, 2018, 239, 94-102.	1.9	17
58	Câ€Reactive protein and progression of vision loss in retinitis pigmentosa. Acta Ophthalmologica, 2018, 96, e174-e179.	1.1	17
59	Tenascin-C promotes angiogenesis in fibrovascular membranes in eyes with proliferative diabetic retinopathy. Molecular Vision, 2016, 22, 436-45.	1.1	17
60	Photocoagulation-Induced Retinal Gliosis Is Inhibited by Systemically Expressed Soluble TGF-Î² Receptor Type II via Adenovirus Mediated Gene Transfer. Laboratory Investigation, 2002, 82, 863-870.	3.7	16
61	Identification of resident and inflammatory bone marrow derived cells in the sclera by bone marrow and haematopoietic stem cell transplantation. British Journal of Ophthalmology, 2007, 91, 520-526.	3.9	16
62	Ultrastructural Changes of the Vitreoretinal Interface During Long-Term Follow-up After Removal of the Internal Limiting Membrane. American Journal of Ophthalmology, 2014, 158, 550-556.e1.	3.3	16
63	Distinct Profiles of Soluble Cytokine Receptors Between B-Cell Vitreoretinal Lymphoma and Uveitis. , 2015, 56, 7516.		16
64	Assessment of Central Visual Function in Patients with Retinitis Pigmentosa. Scientific Reports, 2018, 8, 8070.	3.3	16
65	Changes of Serum Inflammatory Molecules and Their Relationships with Visual Function in Retinitis Pigmentosa. , 2020, 61, 30.		16
66	Therapeutic efficacy of topical unoprostone isopropyl in retinitis pigmentosa. Acta Ophthalmologica, 2014, 92, e229-34.	1.1	15
67	Different Effects of Thrombin on VEGF Secretion, Proliferation, and Permeability in Polarized and Non-polarized Retinal Pigment Epithelial Cells. Current Eye Research, 2015, 40, 936-945.	1.5	15
68	Periostin and tenascin-C interaction promotes angiogenesis in ischemic proliferative retinopathy. Scientific Reports, 2020, 10, 9299.	3.3	15
69	Retinal flow density by optical coherence tomography angiography is useful for detection of nonperfused areas in diabetic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 2275-2282.	1.9	14
70	Quantifying metamorphopsia with M-CHARTS in patients with idiopathic macular hole. Clinical Ophthalmology, 2017, Volume 11, 1719-1726.	1.8	12
71	Direct comparison of retinal structure and function in retinitis pigmentosa by co-registering microperimetry and optical coherence tomography. PLoS ONE, 2019, 14, e0226097.	2.5	12
72	BRILLIANT BLUE G DOUBLE STAINING ENHANCES SUCCESSFUL INTERNAL LIMITING MEMBRANE PEELING WITH MINIMAL ADVERSE EFFECT BY LOW CELLULAR PERMEABILITY INTO LIVE CELLS. Retina, 2015, 35, 310-318.	1.7	11

#	Article	IF	Citations
73	Circulating inflammatory monocytes oppose microglia and contribute to cone cell death in retinitis pigmentosa. , 2022, 1, .		11
74	PERMEABILITY AND ANTIâ€“VASCULAR ENDOTHELIAL GROWTH FACTOR EFFECTS OF BEVACIZUMAB, RANIBIZUMAB, AND AFLIBERCEPT IN POLARIZED RETINAL PIGMENT EPITHELIAL LAYER IN VITRO. Retina, 2017, 37, 179-190.	1.7	10
75	Ocular findings in a case of Pierson syndrome with a novel mutation in laminin ÃŸ2 gene. Journal of AAPOS, 2018, 22, 401-403.e1.	0.3	10
76	Night-vision aid using see-through display for patients with retinitis pigmentosa. Japanese Journal of Ophthalmology, 2019, 63, 181-185.	1.9	10
77	Vitreous cysts in patients with retinitis pigmentosa. Japanese Journal of Ophthalmology, 2015, 59, 373-377.	1.9	8
78	INCOMPLETE REPAIR OF RETINAL STRUCTURE AFTER VITRECTOMY WITH INTERNAL LIMITING MEMBRANE PEELING. Retina, 2017, 37, 1523-1528.	1.7	8
79	Crucial role of P2X7 receptor for effector T cell activation in experimental autoimmune uveitis. Japanese Journal of Ophthalmology, 2018, 62, 398-406.	1.9	8
80	Relationships Between Serum Antioxidant and Oxidant Statuses and Visual Function in Retinitis Pigmentosa. , 2019, 60, 4462.		8
81	TNFRSF10A downregulation induces retinal pigment epithelium degeneration during the pathogenesis of age-related macular degeneration and central serous chorioretinopathy. Human Molecular Genetics, 2022, 31, 2194-2206.	2.9	8
82	EBI3 is pivotal for the initiation of experimental autoimmune uveitis. Experimental Eye Research, 2014, 125, 107-113.	2.6	7
83	Effect of Ocular Hypertension on D-Î²-Aspartic Acid-Containing Proteins in the Retinas of Rats. Journal of Ophthalmology, 2019, 2019, 1-8.	1.3	7
84	RETINITIS PIGMENTOSA ASSOCIATED WITH ASTEROID HYALOSIS. Retina, 2010, 30, 1278-1281.	1.7	6
85	Vitreous levels of interleukin-35 as a prognostic factor in B-cell vitreoretinal lymphoma. Scientific Reports, 2020, 10, 15715.	3.3	5
86	Aqueous Flare and Progression of Visual Field Loss in Patients With Retinitis Pigmentosa. , 2020, 61, 26.		5
87	Chromovitrectomy and Vital Dyes. Developments in Ophthalmology, 2014, 54, 120-125.	0.1	4
88	Increased vitreous levels of B cell activation factor (BAFF) and soluble interleukin-6 receptor in patients with macular edema due to uveitis related to BehÃ§etâ€™s disease and sarcoidosis. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, , 1.	1.9	2
89	OCT Predicts VEGF Levels in Human Eyes. , 2013, 54, 5375.		1
90	Development of a novel noninvasive system for measurement and imaging of the arterial phase oxygen density ratio in the retinal microcirculation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 557-565.	1.9	1

#	Article	IF	Citations
91	Surgical Outcomes of Contrast Sensitivity and Visual Acuity in Uveitis-Associated Cataract. Clinical Ophthalmology, 2021, Volume 15, 2665-2673.	1.8	1
92	Chromovitrectomy in Vitreous Loss During Cataract Surgery. , 0, , .		0
93	Safety and efficacy of brilliant blue g250 (BBG) for lens capsular staining: a phase III physician-initiated multicenter clinical trial. Japanese Journal of Ophthalmology, 2020, 64, 455-461.	1.9	0
94	Neuroprotection for Retinal Detachment. , 2014, , 275-291.		0