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	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
2	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
3	Circulating inflammatory monocytes oppose microglia and contribute to cone cell death in retinitis pigmentosa. , 2022, 1, .		11
4	Surgical Outcomes of Contrast Sensitivity and Visual Acuity in Uveitis-Associated Cataract. Clinical Ophthalmology, 2021, Volume 15, 2665-2673.	1.8	1
5	Microaneurysm Imaging Using Multiple En Face OCT Angiography Image Averaging. Ophthalmology Retina, 2020, 4, 175-186.	2.4	30
6	Vitreous levels of interleukin-35 as a prognostic factor in B-cell vitreoretinal lymphoma. Scientific Reports, 2020, 10, 15715.	3.3	5
7	Aqueous Flare and Progression of Visual Field Loss in Patients With Retinitis Pigmentosa. , 2020, 61, 26.		5
8	Changes of Serum Inflammatory Molecules and Their Relationships with Visual Function in Retinitis Pigmentosa. , 2020, 61, 30.		16
9	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
10	Periostin and tenascin-C interaction promotes angiogenesis in ischemic proliferative retinopathy. Scientific Reports, 2020, 10, 9299.	3.3	15
11	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
12	Relationships Between Serum Antioxidant and Oxidant Statuses and Visual Function in Retinitis Pigmentosa. , 2019, 60, 4462.		8
13	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
14	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
15	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
16	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
17	Night-vision aid using see-through display for patients with retinitis pigmentosa. Japanese Journal of Ophthalmology, 2019, 63, 181-185.	1.9	10
18	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

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19	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
20	INTERNAL LIMITING MEMBRANE PEELINGâ€“DEPENDENT RETINAL STRUCTURAL CHANGES AFTER VITRECTOMY IN RHEGMATOGENOUS RETINAL DETACHMENT. Retina, 2018, 38, 471-479.	1.7	26
21	Optical coherence tomography angiography of the macular microvasculature changes in retinitis pigmentosa. Acta Ophthalmologica, 2018, 96, e59-e67.	1.1	38
22	Câ€Reactive protein and progression of vision loss in retinitis pigmentosa. Acta Ophthalmologica, 2018, 96, e174-e179.	1.1	17
23	The influence of subretinal injection pressure on the microstructure of the monkey retina. PLoS ONE, 2018, 13, e0209996.	2.5	19
24	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
25	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
26	Assessment of Central Visual Function in Patients with Retinitis Pigmentosa. Scientific Reports, 2018, 8, 8070.	3.3	16
27	Relations Among Foveal Blood Flow, Retinal-Choroidal Structure, and Visual Function in Retinitis Pigmentosa. , 2018, 59, 1134.		21
28	Discovery of a Cynomolgus Monkey Family With Retinitis Pigmentosa. , 2018, 59, 826.		25
29	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
30	INCOMPLETE REPAIR OF RETINAL STRUCTURE AFTER VITRECTOMY WITH INTERNAL LIMITING MEMBRANE PEELING. Retina, 2017, 37, 1523-1528.	1.7	8
31	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
32	Optical Coherence Tomography Angiography Reveals Spatial Bias of Macular Capillary Dropout in Diabetic Retinopathy. , 2017, 58, 4889.		36
33	Quantifying metamorphopsia with M-CHARTS in patients with idiopathic macular hole. Clinical Ophthalmology, 2017, Volume 11, 1719-1726.	1.8	12
34	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
35	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
36	Risk Factors for Posterior Subcapsular Cataract in Retinitis Pigmentosa. , 2017, 58, 2534.		35

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37	Association Between Aqueous Flare and Epiretinal Membrane in Retinitis Pigmentosa. , 2016, 57, 4282.		20
38	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
39	MUTYH promotes oxidative microglial activation and inherited retinal degeneration. JCI Insight, 2016, 1, e87781.	5.0	26
40	Tenascin-C promotes angiogenesis in fibrovascular membranes in eyes with proliferative diabetic retinopathy. Molecular Vision, 2016, 22, 436-45.	1.1	17
41	Long-term Surgical Outcomes of Epiretinal Membrane in Patients with Retinitis Pigmentosa. Scientific Reports, 2015, 5, 13078.	3.3	19
42	PENETRATION OF BEVACIZUMAB AND RANIBIZUMAB THROUGH RETINAL PIGMENT EPITHELIAL LAYER IN VITRO. Retina, 2015, 35, 1007-1015.	1.7	22
43	Distinct Profiles of Soluble Cytokine Receptors Between B-Cell Vitreoretinal Lymphoma and Uveitis. , 2015, 56, 7516.		16
44	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
45	Factors Affecting Visual Acuity after Cataract Surgery in Patients with Retinitis Pigmentosa. Ophthalmology, 2015, 122, 903-908.	5.2	43
46	Correlation between macular blood flow and central visual sensitivity in retinitis pigmentosa. Acta Ophthalmologica, 2015, 93, e644-8.	1.1	36
47	Relationship Between Aqueous Flare and Visual Function in Retinitis Pigmentosa. American Journal of Ophthalmology, 2015, 159, 958-963.e1.	3.3	35
48	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
49	Vitreous cysts in patients with retinitis pigmentosa. Japanese Journal of Ophthalmology, 2015, 59, 373-377.	1.9	8
50	Decreased Proteasomal Activity Causes Photoreceptor Degeneration in Mice. , 2014, 55, 4682.		18
51	Toxic effects of extracellular histones and their neutralization by vitreous in retinal detachment. Laboratory Investigation, 2014, 94, 569-585.	3.7	33
52	INDIVIDUALIZED, SPECTRAL DOMAIN-OPTICAL COHERENCE TOMOGRAPHYâ€“GUIDED FACEDOWN POSTURING AFTER MACULAR HOLE SURGERY. Retina, 2014, 34, 1367-1375.	1.7	25
53	Therapeutic efficacy of topical unoprostone isopropyl in retinitis pigmentosa. Acta Ophthalmologica, 2014, 92, e229-34.	1.1	15
54	EBI3 is pivotal for the initiation of experimental autoimmune uveitis. Experimental Eye Research, 2014, 125, 107-113.	2.6	7

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55	Chromovitrectomy and Vital Dyes. Developments in Ophthalmology, 2014, 54, 120-125.	0.1	4
56	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
57	Neuroprotection for Retinal Detachment. , 2014, , 275-291.		0
58	TNF-Î± disrupts morphologic and functional barrier properties of polarized retinal pigment epithelium. Experimental Eye Research, 2013, 110, 59-69.	2.6	49
59	Clinical Evidence of Sustained Chronic Inflammatory Reaction in Retinitis Pigmentosa. Ophthalmology, 2013, 120, 100-105.	5.2	188
60	Photoreceptor cell death and rescue in retinal detachment and degenerations. Progress in Retinal and Eye Research, 2013, 37, 114-140.	15.5	179
61	Laboratory Evidence of Sustained Chronic Inflammatory Reaction in Retinitis Pigmentosa. Ophthalmology, 2013, 120, e5-e12.	5.2	196
62	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
63	OCT Predicts VEGF Levels in Human Eyes. , 2013, 54, 5375.		1
64	Dynamic Increase in Extracellular ATP Accelerates Photoreceptor Cell Apoptosis via Ligation of P2RX7 in Subretinal Hemorrhage. PLoS ONE, 2013, 8, e53338.	2.5	72
65	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
66	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
67	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
68	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
69	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
70	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
71	RETINITIS PIGMENTOSA ASSOCIATED WITH ASTEROID HYALOSIS. Retina, 2010, 30, 1278-1281.	1.7	6
72	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

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73	Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. Experimental Neurology, 2009, 218, 347-352.	4.1	24
74	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
75	HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. Journal of Clinical Investigation, 2008, 118, 2025-38.	8.2	56
76	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
77	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
78	TRIAMCINOLONE ACETONIDEâ€“ASSISTED PARS PLANA VITRECTOMY IMPROVES RESIDUAL POSTERIOR VITREOUS HYALOID REMOVAL. Retina, 2007, 27, 174-179.	1.7	37
79	BIOCOMPATIBILITY OF BRILLIANT BLUE G IN A RAT MODEL OF SUBRETINAL INJECTION. Retina, 2007, 27, 499-504.	1.7	87
80	Cellular Migration Associated With Macular Hole. JAMA Ophthalmology, 2006, 124, 1005.	2.4	38
81	BRILLIANT BLUE G SELECTIVELY STAINS THE INTERNAL LIMITING MEMBRANE/BRILLIANT BLUE Gâ€“ASSISTED MEMBRANE PEELING. Retina, 2006, 26, 631-636.	1.7	233
82	PRECLINICAL INVESTIGATION OF INTERNAL LIMITING MEMBRANE STAINING AND PEELING USING INTRAVITREAL BRILLIANT BLUE G. Retina, 2006, 26, 623-630.	1.7	145
83	Staining Ability and Biocompatibility of Brilliant Blue G. JAMA Ophthalmology, 2006, 124, 514.	2.4	66
84	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
85	Clearance of Apoptotic Photoreceptors. American Journal of Pathology, 2003, 162, 1869-1879.	3.8	94
86	Immunoregulatory Role of Ocular Macrophages: The Macrophages Produce RANTES to Suppress Experimental Autoimmune Uveitis. Journal of Immunology, 2003, 171, 2652-2659.	0.8	52
87	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
88	Possible Benefits of Triamcinolone-Assisted Pars Plana Vitrectomy for Retinal Diseases. Retina, 2003, 23, 764-770.	1.7	76
89	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. Current Eye Research, 2002, 24, 161-172.	1.5	137
90	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

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91	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
92	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
93	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
94	Chromovitrectomy in Vitreous Loss During Cataract Surgery. , 0, , .		0