

# Toshihiro Inoue

## List of Publications by Year in descending order

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104  
papers

3,210  
citations

201385

27  
h-index

197535

49  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilized $\beta$ -Catenin Functions through TCF/LEF Proteins and the Notch/RBP-j $\delta$ Complex To Promote Proliferation and Suppress Differentiation of Neural Precursor Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 7427-7441.	1.1	163
2	Phase 2 Randomized Clinical Study of a Rho Kinase Inhibitor, K-115, in Primary Open-Angle Glaucoma and Ocular Hypertension. <i>American Journal of Ophthalmology</i> , 2013, 156, 731-736.e2.	1.7	160
3	In vivo imaging of axonal transport of mitochondria in the diseased and aged mammalian CNS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10515-10520.	3.3	146
4	Rho-associated kinase inhibitors: A novel glaucoma therapy. <i>Progress in Retinal and Eye Research</i> , 2013, 37, 1-12.	7.3	129
5	Phase 1 Clinical Trials of a Selective Rho Kinase Inhibitor, K-115. <i>JAMA Ophthalmology</i> , 2013, 131, 1288.	1.4	113
6	Additive Intraocular Pressure-Lowering Effects of the Rho Kinase Inhibitor Ripasudil (K-115) Combined With Timolol or Latanoprost. <i>JAMA Ophthalmology</i> , 2015, 133, 755.	1.4	108
7	Effects of K-115 (Ripasudil), a novel ROCK inhibitor, on trabecular meshwork and Schlemm's canal endothelial cells. <i>Scientific Reports</i> , 2016, 6, 19640.	1.6	106
8	One-year clinical evaluation of 0.4% ripasudil (K-115) in patients with open-angle glaucoma and ocular hypertension. <i>Acta Ophthalmologica</i> , 2016, 94, e26-34.	0.6	96
9	Intraocular pressure-lowering effects of a Rho kinase inhibitor, ripasudil (K-115), over 24 hours in primary open-angle glaucoma and ocular hypertension: a randomized, open-label, crossover study. <i>Acta Ophthalmologica</i> , 2015, 93, e254-60.	0.6	94
10	The Effect of Rho-Associated Protein Kinase Inhibitor on Monkey Schlemm's Canal Endothelial Cells. , 2012, 53, 3092.		86
11	Simultaneous increases in multiple proinflammatory cytokines in the aqueous humor in pseudophakic glaucomatous eyes. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1389-1397.	0.7	85
12	Discovery of Substituted 4-(Pyrazol-4-yl)-phenylbenzodioxane-2-carboxamides as Potent and Highly Selective Rho Kinase (ROCK-II) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6642-6645.	2.9	84
13	Activation of Canonical Wnt Pathway Promotes Proliferation of Retinal Stem Cells Derived from Adult Mouse Ciliary Margin. <i>Stem Cells</i> , 2006, 24, 95-104.	1.4	72
14	Elevated Levels of Multiple Biomarkers of Alzheimer's Disease in the Aqueous Humor of Eyes With Open-Angle Glaucoma. , 2013, 54, 5353.		69
15	Elevated Levels of Monocyte Chemoattractant Protein-1 in the Aqueous Humor after Phacoemulsification. , 2012, 53, 7951.		60
16	Trabeculectomy With Mitomycin for Open-Angle Glaucoma in Phakic vs Pseudophakic Eyes After Phacoemulsification. <i>JAMA Ophthalmology</i> , 2011, 129, 152.	2.6	58
17	Involvement of RhoA/Rho-Associated Kinase Signal Transduction Pathway in Dexamethasone-Induced Alterations in Aqueous Outflow. , 2012, 53, 7097.		58
18	Factors Influencing Aqueous Proinflammatory Cytokines and Growth Factors in Uveitic Glaucoma. <i>PLoS ONE</i> , 2016, 11, e0147080.	1.1	57

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19	YAP/TAZ Are Essential for TGF- $\beta$ 2-Mediated Conjunctival Fibrosis. , 2018, 59, 3069.		54
20	Trabeculectomy for Open-angle Glaucoma in Phakic Eyes vs in Pseudophakic Eyes After Phacoemulsification. JAMA Ophthalmology, 2014, 132, 69.	1.4	53
21	A prospective comparison between trabeculectomy with mitomycin C and phacotrabeculectomy with mitomycin C. Acta Ophthalmologica, 2013, 91, e500-e501.	0.6	52
22	Frequency and Risk Factors for Neovascular Glaucoma After Vitrectomy in Eyes With Proliferative Diabetic Retinopathy. Journal of Glaucoma, 2013, 22, 572-576.	0.8	45
23	Long-term efficacy of goniosynechialysis combined with phacoemulsification for primary angle closure. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 825-830.	1.0	44
24	Monocyte chemotactic protein-1 level in the aqueous humour as a prognostic factor for the outcome of trabeculectomy. Clinical and Experimental Ophthalmology, 2014, 42, 334-341.	1.3	39
25	Epithelial mesenchymal transition-like phenomenon in trabecular meshwork cells. Experimental Eye Research, 2014, 118, 72-79.	1.2	39
26	Simultaneous Increase in Multiple Proinflammatory Cytokines in the Aqueous Humor in Neovascular Glaucoma With and Without Intravitreal Bevacizumab Injection. , 2015, 56, 3541.		38
27	The effects of ripasudil (K-115), a Rho kinase inhibitor, on activation of human conjunctival fibroblasts. Experimental Eye Research, 2016, 149, 107-115.	1.2	38
28	Precise Identification of Filtration Openings on the Scleral Flap by Three-Dimensional Anterior Segment Optical Coherence Tomography. , 2012, 53, 8288.		33
29	Wnt3a Promotes Hippocampal Neurogenesis by Shortening Cell Cycle Duration of Neural Progenitor Cells. Cellular and Molecular Neurobiology, 2010, 30, 1049-1058.	1.7	32
30	A Growth-Promoting Signaling Component Cyclin D1 in Neural Stem Cells Has Antiastroglial Function to Execute Self-Renewal. Stem Cells, 2014, 32, 1602-1615.	1.4	32
31	Ripasudil hydrochloride hydrate: targeting Rho kinase in the treatment of glaucoma. Expert Opinion on Pharmacotherapy, 2017, 18, 1669-1673.	0.9	32
32	Filtering Blebs Using 3-Dimensional Anterior-Segment Optical Coherence Tomography. JAMA Ophthalmology, 2015, 133, 148.	1.4	31
33	p38 MAP Kinase Inhibitor Suppresses Transforming Growth Factor- $\beta$ 2-Induced Type 1 Collagen Production in Trabecular Meshwork Cells. PLoS ONE, 2015, 10, e0120774.	1.1	30
34	Interleukin-6-mediated trans-signaling inhibits transforming growth factor- $\beta$ 2 signaling in trabecular meshwork cells. Journal of Biological Chemistry, 2018, 293, 10975-10984.	1.6	30
35	Prognostic risk factors for failure of trabeculectomy with mitomycin C after vitrectomy. Japanese Journal of Ophthalmology, 2012, 56, 464-469.	0.9	29
36	Elevated intraocular pressure induces Rho GTPase mediated contractile signaling in the trabecular meshwork. Experimental Eye Research, 2015, 136, 29-33.	1.2	28

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37	N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand. <i>Molecular Cell</i> , 2021, 81, 659-674.e7.	4.5	28
38	Basic fibroblast growth factor endows dorsal telencephalic neural progenitors with the ability to differentiate into oligodendrocytes but not $\beta^3$ -aminobutyric acidergic neurons. <i>Journal of Neuroscience Research</i> , 2006, 83, 731-743.	1.3	27
39	Dynamic Imaging of Axonal Transport in Living Retinal Ganglion Cells In Vitro. , 2011, 52, 3039.		27
40	The Effect of Rho-Associated Kinase Inhibition on the Ocular Penetration of Timolol Maleate. , 2013, 54, 1118.		26
41	Efficacy and safety of $\Delta^1$ 656 in primary open-angle glaucoma or ocular hypertension. <i>Acta Ophthalmologica</i> , 2015, 93, e393-5.	0.6	26
42	Involvement of the Hipk family in regulation of eyeball size, lens formation and retinal morphogenesis. <i>FEBS Letters</i> , 2010, 584, 3233-3238.	1.3	25
43	Impact of phacoemulsification on failure of trabeculectomy with mitomycin-C. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 419-424.	0.7	25
44	Intraocular pressure-lowering effects of ripasudil in uveitic glaucoma, exfoliation glaucoma, and steroid-induced glaucoma patients: ROCK-S, a multicentre historical cohort study. <i>Scientific Reports</i> , 2020, 10, 10308.	1.6	25
45	Risk factors for choroidal detachment after trabeculectomy with mitomycin C. <i>Clinical Ophthalmology</i> , 2013, 7, 1417.	0.9	24
46	Stimulation of the adenosine A3 receptor, not the A1 or A2 receptors, promote neurite outgrowth of retinal ganglion cells. <i>Experimental Eye Research</i> , 2018, 170, 160-168.	1.2	23
47	Oxidative stress response signaling pathways in trabecular meshwork cells and their effects on cell viability. <i>Molecular Vision</i> , 2013, 19, 1332-40.	1.1	23
48	Long-term Relationship Between Intraocular Pressure and Visual Field Loss in Primary Open-angle Glaucoma. <i>Journal of Glaucoma</i> , 2008, 17, 275-279.	0.8	22
49	Potential Neuroprotective Effects of an LSD1 Inhibitor in Retinal Ganglion Cells via p38 MAPK Activity. , 2016, 57, 6461.		22
50	Loss of vision due to a physiologic pituitary enlargement during normal pregnancy. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 1049-1051.	1.0	20
51	Risk Factors for Hyphema After Trabeculectomy With Mitomycin C. <i>Journal of Glaucoma</i> , 2014, 23, 307-311.	0.8	20
52	Vascular Endothelial Growth Factor-A Increases the Aqueous Humor Outflow Facility. <i>PLoS ONE</i> , 2016, 11, e0161332.	1.1	20
53	Efficacy of Ripasudil as a Second-line Medication in Addition to a Prostaglandin Analog in Patients with Exfoliation Glaucoma: A Pilot Study. <i>Clinical Drug Investigation</i> , 2017, 37, 535-539.	1.1	19
54	Relationship between Vision-Related Quality of Life and Central 10 $\hat{\circ}$ of the Binocular Integrated Visual Field in Advanced Glaucoma. <i>Scientific Reports</i> , 2019, 9, 14990.	1.6	19

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55	The Effect of Monocyte Chemoattractant Protein-1/CC Chemokine Ligand 2 on Aqueous Humor Outflow Facility. , 2012, 53, 6702.		17
56	Live cell imaging of actin dynamics in dexamethasone-treated porcine trabecular meshwork cells. Experimental Eye Research, 2016, 145, 393-400.	1.2	17
57	Effects of Pharmacologic Inhibition of Protein Geranylgeranyltransferase Type I on Aqueous Humor Outflow through the Trabecular Meshwork. , 2008, 49, 2464.		16
58	Characterization of Cytoskeleton-Enriched Protein Fraction of the Trabecular Meshwork and Ciliary Muscle Cells. , 2010, 51, 6461.		15
59	Filtration Bleb Revision Guided by 3-Dimensional Anterior Segment Optical Coherence Tomography. Journal of Glaucoma, 2014, 23, 312-315.	0.8	15
60	TGF- $\beta$ 2-induced activation of conjunctival fibroblasts is modulated by FGF-2 and substratum stiffness. PLoS ONE, 2020, 15, e0242626.	1.1	15
61	Inhibition of Rho Kinase Induces Antioxidative Molecules and Suppresses Reactive Oxidative Species in Trabecular Meshwork Cells. Journal of Ophthalmology, 2017, 2017, 1-23.	0.6	14
62	Efficacy and safety of Ex-PRESS <sup>®</sup> mini shunt surgery versus trabeculectomy for neovascular glaucoma: a retrospective comparative study. BMC Ophthalmology, 2019, 19, 75.	0.6	14
63	Early bleb parameters as long-term prognostic factors for surgical success: a retrospective observational study using three-dimensional anterior-segment optical coherence tomography. BMC Ophthalmology, 2019, 19, 155.	0.6	13
64	Intraocular Pressure-Lowering Effects of Trabeculectomy Versus MicroShunt Insertion in Rabbit Eyes. Translational Vision Science and Technology, 2021, 10, 9.	1.1	13
65	Evaluation of filtering blebs exhibiting transconjunctival oozing using anterior segment optical coherence tomography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 439-445.	1.0	12
66	Predicting Humphrey 10-2 visual field from 24-2 visual field in eyes with advanced glaucoma. British Journal of Ophthalmology, 2020, 104, 642-647.	2.1	11
67	Long-Term Outcomes and Complications of Trabeculectomy for Secondary Glaucoma in Patients with Familial Amyloidotic Polyneuropathy. PLoS ONE, 2014, 9, e96324.	1.1	11
68	Postoperative Changes in Aqueous Monocyte Chemotactic Protein-1 Levels and Bleb Morphology after Trabeculectomy vs. Ex-PRESS Shunt Surgery. PLoS ONE, 2015, 10, e0139751.	1.1	11
69	The Influence of Phacoemulsification on Surgical Outcomes of Trabeculectomy with Mitomycin-C for Uveitic Glaucoma. PLoS ONE, 2016, 11, e0151947.	1.1	11
70	The angiogenic effects of exosomes secreted from retinal pigment epithelial cells on endothelial cells. Biochemistry and Biophysics Reports, 2020, 22, 100760.	0.7	10
71	Molecular Mechanisms Underlying the Filtration Bleb-Maintaining Effects of Suberoylanilide Hydroxamic Acid (SAHA). , 2017, 58, 2421.		9
72	Interaction Between Pilocarpine and Ripasudil on Intraocular Pressure, Pupil Diameter, and the Aqueous-Outflow Pathway. , 2018, 59, 1844.		9

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73	Suberoylanilide hydroxamic acid (SAHA) inhibits transforming growth factor-beta 2-induced increases in aqueous humor outflow resistance. <i>Journal of Biological Chemistry</i> , 2021, 297, 101070.	1.6	9
74	Fornix-based versus limbal-based conjunctival flaps in trabeculectomy with mitomycin C in high-risk patients. <i>Clinical Ophthalmology</i> , 2014, 8, 949.	0.9	8
75	RhoA Activation Decreases Phagocytosis of Trabecular Meshwork Cells. <i>Current Eye Research</i> , 2021, 46, 496-503.	0.7	8
76	RGS2-deficient mice exhibit decreased intraocular pressure and increased retinal ganglion cell survival. <i>Molecular Vision</i> , 2009, 15, 495-504.	1.1	8
77	Stability of the Central Visual Field After Modern Trabeculectomy Techniques in Eyes with Advanced Glaucoma. <i>Japanese Journal of Ophthalmology</i> , 2007, 51, 116-120.	0.9	7
78	Effects of chemical inhibition of N-WASP, a critical regulator of actin polymerization on aqueous humor outflow through the conventional pathway. <i>Experimental Eye Research</i> , 2010, 90, 360-367.	1.2	7
79	Prognostic factors in trabeculectomy with mitomycin C having history of previous glaucoma surgery. <i>Japanese Journal of Ophthalmology</i> , 2013, 57, 514-519.	0.9	7
80	Factors Threatening Central Visual Function of Patients with Advanced Glaucoma. <i>Ophthalmology</i> , 2022, 129, 488-497.	2.5	7
81	Visualization of Intravital Immune Cell Dynamics After Conjunctival Surgery Using Multiphoton Microscopy. , 2016, 57, 1207.		6
82	Rho Kinase in Eye Disease. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-2.	0.6	5
83	Decreased MCP-1/CCR2 axis-mediated chemotactic effect of conjunctival fibroblasts after transdifferentiation into myofibroblasts. <i>Experimental Eye Research</i> , 2018, 170, 76-80.	1.2	5
84	Potential roles of the IL-6 family in conjunctival fibrosis. <i>Experimental Eye Research</i> , 2021, 210, 108708.	1.2	5
85	The effects of exosomes derived from trabecular meshwork cells on Schlemm's canal endothelial cells. <i>Scientific Reports</i> , 2021, 11, 21942.	1.6	5
86	Comparing Surgical Outcomes in Neovascular Glaucoma between Tube and Trabeculectomy. <i>Ophthalmology Glaucoma</i> , 2022, 5, 672-680.	0.9	5
87	Mitomycin C trabeculectomy in an eye with cicatricial conjunctiva following amniotic membrane transplantation. <i>Acta Ophthalmologica</i> , 2003, 81, 673-674.	0.4	4
88	Prospective 3D Investigation of Bleb Wall after Trabeculectomy Using Anterior-Segment OCT. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-7.	0.6	4
89	Binasal hemianopia caused by bilateral optic perineuritis due to sarcoidosis. <i>ENeurologicalSci</i> , 2021, 24, 100354.	0.5	4
90	Factors associated with the surgical outcomes of Baerveldt glaucoma implant for open-angle glaucoma, an age-related eye disease. <i>Scientific Reports</i> , 2022, 12, 1359.	1.6	4

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91	Angle closure caused by a plateau-like iris associated with an enlarged Soemmering's ring: a case report. <i>BMC Ophthalmology</i> , 2016, 16, 49.	0.6	3
92	Correlation between intraocular pressure reduction and anterior chamber aqueous flare after micropulse transscleral cyclophotocoagulation. <i>BMC Ophthalmology</i> , 2021, 21, 266.	0.6	3
93	Elevated Cytokine Levels in Aqueous Humor Are Associated with Peripheral Anterior Synechiae after Penetrating Keratoplasty. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12268.	1.8	3
94	Bilateral corneal perforation caused by neurotrophic keratopathy associated with leprosy: a case report. <i>BMC Ophthalmology</i> , 2022, 22, 42.	0.6	3
95	Tear fluid signs associated with filtration blebs, as demonstrated by three-dimensional anterior segment optical coherence tomography. <i>Clinical Ophthalmology</i> , 2014, 8, 767.	0.9	2
96	Prospective observation of filtration blebs in high-risk eyes with limbal-based conjunctival flap. <i>Canadian Journal of Ophthalmology</i> , 2016, 51, 431-437.	0.4	2
97	Aqueous Cytokine Levels Are Associated With Progression of Peripheral Anterior Synechiae After Descemet Stripping Automated Endothelial Keratoplasty. <i>Translational Vision Science and Technology</i> , 2021, 10, 12.	1.1	2
98	DNA methyltransferase inhibitor suppresses fibrogenetic changes in human conjunctival fibroblasts. <i>Molecular Vision</i> , 2019, 25, 382-390.	1.1	2
99	Tissue Reactivity to, and Stability of, Glaucoma Drainage Device Materials Placed Under Rabbit Conjunctiva. <i>Translational Vision Science and Technology</i> , 2022, 11, 9.	1.1	2
100	Preferential differentiation of neural progenitor cells into the glial lineage through gp130 signaling in N-methyl-d-aspartate-treated retinas. <i>Brain Research</i> , 2005, 1055, 7-14.	1.1	1
101	Media conditioned by retinal pigment epithelial cells suppress the canonical Wnt pathway. <i>Neuroscience Letters</i> , 2007, 424, 190-193.	1.0	1
102	Bleb-like Finding Caused by Idiopathic Scleral Thinning in an Eye With Absolute Glaucoma. <i>Journal of Glaucoma</i> , 2016, 25, e288-e290.	0.8	1
103	Reply : Queries/errors: Trabeculectomy with early/late phacoemulsification. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1303.	0.7	0
104	Data on early postoperative changes in aqueous monocyte chemoattractant protein-1 levels after phacoemulsification. <i>Data in Brief</i> , 2016, 9, 922-925.	0.5	0