

# Hitoshi Tabuchi

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,459  
citations

279798

23  
h-index

377865

34  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transferability of an Artificial Intelligence Algorithm Predicting Rebubble After Descemet Membrane Endothelial Keratoplasty. <i>Cornea</i> , 2023, 42, 544-548.	1.7	4
2	Nationwide multicentre comparison of preoperative biometry and predictability of cataract surgery in Japan. <i>British Journal of Ophthalmology</i> , 2022, 106, 1227-1234.	3.9	2
3	Developing an iOS application that uses machine learning for the automated diagnosis of blepharoptosis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 1329-1335.	1.9	4
4	A deep learning algorithm to identify cervical ossification of posterior longitudinal ligaments on radiography. <i>Scientific Reports</i> , 2022, 12, 2113.	3.3	4
5	Foveal Thickness Fluctuation in Anti-VEGF Treatment for Branch Retinal Vein Occlusion: A Long-term Study. <i>Ophthalmology Retina</i> , 2022, 6, 567-574.	2.4	4
6	Need of preventive photocoagulation for retinal arterial macroaneurysm with retinal hemorrhage. <i>Clinical Case Reports (discontinued)</i> , 2022, 10, e05683.	0.5	1
7	A case of IgG4-related conjunctival tumor with severe systemic allergy treated with antibodies against cytokine receptors. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 26, 101469.	0.7	2
8	Branch retinal vein occlusion post severe acute respiratory syndrome coronavirus 2 vaccination. <i>Taiwan Journal of Ophthalmology</i> , 2022, 12, 202.	0.7	6
9	Utility and safety of low-concentration nitrous oxide anesthesia in ptosis surgery. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.0	2
10	Predicting Keratoconus Progression and Need for Corneal Crosslinking Using Deep Learning. <i>Journal of Clinical Medicine</i> , 2021, 10, 844.	2.4	19
11	A Case of Paracentral Corneal Perforation Treated with One-Bite Mini-Keratoplasty. <i>Türk Oftalmoloji Dergisi</i> , 2021, 51, 55-57.	0.9	0
12	Automatic screening of tear meniscus from lacrimal duct obstructions using anterior segment optical coherence tomography images by deep learning. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 1569-1577.	1.9	3
13	Using artificial intelligence to diagnose fresh osteoporotic vertebral fractures on magnetic resonance images. <i>Spine Journal</i> , 2021, 21, 1652-1658.	1.3	25
14	Accuracy of Diabetic Retinopathy Staging with a Deep Convolutional Neural Network Using Ultra-Wide-Field Fundus Ophthalmoscopy and Optical Coherence Tomography Angiography. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-10.	1.3	11
15	Prediction of Phakic Intraocular Lens Vault Using Machine Learning of Anterior Segment Optical Coherence Tomography Metrics. <i>American Journal of Ophthalmology</i> , 2021, 226, 90-99.	3.3	34
16	Treatment outcomes in the neovascular glaucoma tube versus trabeculectomy study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 3067-3076.	1.9	10
17	Examination of the Safety and Effectiveness of Low-Concentration Nitrous Oxide Anesthesia in Cataract Surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2021, Publish Ahead of Print, .	1.5	3
18	A deep learning approach for successful big-bubble formation prediction in deep anterior lamellar keratoplasty. <i>Scientific Reports</i> , 2021, 11, 18559.	3.3	6

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19	Exacerbation of branch retinal vein occlusion post SARS-CoV2 vaccination. <i>Medicine (United States)</i> , 2021, 100, e28236.	1.0	19
20	A Deep Learning Approach in Rebubbling After Descemet's Membrane Endothelial Keratoplasty. <i>Eye and Contact Lens</i> , 2020, 46, 121-126.	1.6	24
21	Prediction of age and brachial-ankle pulse-wave velocity using ultra-wide-field pseudo-color images by deep learning. <i>Scientific Reports</i> , 2020, 10, 19369.	3.3	12
22	Real-Time Surgical Problem Detection and Instrument Tracking in Cataract Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 3896.	2.4	7
23	Time course of conjunctival hyperemia induced by omidenepag isopropyl ophthalmic solution 0.002%: a pilot, comparative study versus ripasudil 0.4%. <i>BMJ Open Ophthalmology</i> , 2020, 5, e000538.	1.6	9
24	Changes in Prostaglandin-associated Periorbital Syndrome After Switch from Conventional Prostaglandin F2 $\pm$ Treatment to Omidenepag Isopropyl in 11 Consecutive Patients. <i>Journal of Glaucoma</i> , 2020, 29, 326-328.	1.6	14
25	Objective evaluation of allergic conjunctival disease (with a focus on the application of artificial) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	7
26	Predicting the likelihood of need for future keratoplasty intervention using artificial intelligence. <i>Ocular Surface</i> , 2020, 18, 320-325.	4.4	37
27	Effect of Manual Upper Eyelid Elevation on Intraocular Pressure Measurement by Four Different Tonometers. <i>Optometry and Vision Science</i> , 2020, 97, 128-133.	1.2	3
28	Accuracy of a deep convolutional neural network in the detection of myopic macular diseases using swept-source optical coherence tomography. <i>PLoS ONE</i> , 2020, 15, e0227240.	2.5	32
29	Deep Neural Network-Based Method for Detecting Obstructive Meibomian Gland Dysfunction With in Vivo Laser Confocal Microscopy. <i>Cornea</i> , 2020, 39, 720-725.	1.7	30
30	Simulation Experience of the Difficulty in Walking with Low Vision. <i>Japanese Orthoptic Journal</i> , 2020, 49, 57-63.	0.1	0
31	Title is missing!. , 2020, 15, e0227240.		0
32	Title is missing!. , 2020, 15, e0227240.		0
33	Title is missing!. , 2020, 15, e0227240.		0
34	Title is missing!. , 2020, 15, e0227240.		0
35	Title is missing!. , 2020, 15, e0227240.		0
36	Title is missing!. , 2020, 15, e0227240.		0

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37	Effects of kallidinogenase in patients undergoing vitrectomy for diabetic macular edema. <i>International Ophthalmology</i> , 2019, 39, 1307-1313.	1.4	3
38	Accuracy of ultra-wide-field fundus ophthalmoscopy-assisted deep learning, a machine-learning technology, for detecting age-related macular degeneration. <i>International Ophthalmology</i> , 2019, 39, 1269-1275.	1.4	63
39	Changes of choroidal structure and circulation after water drinking test in normal eyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 2391-2399.	1.9	15
40	Evaluation of Automatic Monitoring of Instillation Adherence Using Eye Dropper Bottle Sensor and Deep Learning in Patients With Glaucoma. <i>Translational Vision Science and Technology</i> , 2019, 8, 55.	2.2	6
41	Severity Classification of Conjunctival Hyperaemia by Deep Neural Network Ensembles. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-10.	1.3	10
42	Determination of iris thickness development in children using swept-source anterior-segment optical coherence tomography. <i>PLoS ONE</i> , 2019, 14, e0217656.	2.5	11
43	Automated detection of a nonperfusion area caused by retinal vein occlusion in optical coherence tomography angiography images using deep learning. <i>PLoS ONE</i> , 2019, 14, e0223965.	2.5	37
44	Accuracy of ultrawide-field fundus ophthalmoscopy-assisted deep learning for detecting treatment-naïve proliferative diabetic retinopathy. <i>International Ophthalmology</i> , 2019, 39, 2153-2159.	1.4	56
45	Outcomes of Wider Area Bleb Revision Using Bleb Knife With Adjunctive Mitomycin C. <i>Journal of Glaucoma</i> , 2019, 28, 732-736.	1.6	2
46	Comparison of the Intraocular Pressure Measured Using the New Rebound Tonometer Icare ic100 and Icare TA01i or Goldmann Applanation Tonometer. <i>Journal of Glaucoma</i> , 2019, 28, 172-177.	1.6	19
47	Comparison between support vector machine and deep learning, machine-learning technologies for detecting epiretinal membrane using 3D-OCT. <i>International Ophthalmology</i> , 2019, 39, 1871-1877.	1.4	37
48	Iris Morphological Features in Patients with 360° Angle-Closure Neovascular Glaucoma: An Anterior Segment Optical Coherence Tomography Study. <i>Case Reports in Ophthalmology</i> , 2019, 9, 449-456.	0.7	3
49	MORPHOLOGIC CHARACTERISTICS OF MACULAR HOLE AND MACULAR HOLE RETINAL DETACHMENT ASSOCIATED WITH EXTREME MYOPIA. <i>Retina</i> , 2019, 39, 1312-1318.	1.7	17
50	Deep-learning classifier with ultrawide-field fundus ophthalmoscopy for detecting branch retinal vein occlusion. <i>International Journal of Ophthalmology</i> , 2019, 12, 94-99.	1.1	28
51	Accuracy of a deep convolutional neural network in detection of retinitis pigmentosa on ultrawide-field images. <i>PeerJ</i> , 2019, 7, e6900.	2.0	30
52	Changes in choroidal thickness in patients with diabetic retinopathy. <i>International Ophthalmology</i> , 2018, 38, 279-286.	1.4	15
53	Glaucoma Implant Tube Lumen Obstruction Visualized Using Anterior Segment Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2018, 27, e64-e67.	1.6	4
54	Agreement among Goldmann applanation tonometer, iCare, and Icare PRO rebound tonometers; non-contact tonometer; and Tonopen XL in healthy elderly subjects. <i>International Ophthalmology</i> , 2018, 38, 687-696.	1.4	45

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55	Usability and reproducibility of tear meniscus values generated via swept-source optical coherence tomography and the slit lamp with a graticule method. <i>International Ophthalmology</i> , 2018, 38, 679-686.	1.4	13
56	Comparison of semi-automated center-dot and fully automated endothelial cell analyses from specular microscopy images. <i>International Ophthalmology</i> , 2018, 38, 2495-2507.	1.4	5
57	Deep Neural Network-Based Method for Detecting Central Retinal Vein Occlusion Using Ultrawide-Field Fundus Ophthalmoscopy. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	1.3	50
58	Deep-learning Classifier With an Ultrawide-field Scanning Laser Ophthalmoscope Detects Glaucoma Visual Field Severity. <i>Journal of Glaucoma</i> , 2018, 27, 647-652.	1.6	50
59	Accuracy of deep learning, a machine learning technology, using ultra-wide-field fundus ophthalmoscopy for detecting idiopathic macular holes. <i>PeerJ</i> , 2018, 6, e5696.	2.0	26
60	Changes in choroidal thickness in healthy pediatric individuals: a longitudinal study. <i>International Journal of Ophthalmology</i> , 2018, 11, 1179-1184.	1.1	3
61	Time Course of Conjunctival Hyperemia Induced by a Rho-kinase Inhibitor Anti-glaucoma Eye Drop: Ripasudil 0.4%. <i>Current Eye Research</i> , 2017, 42, 738-742.	1.5	30
62	Accuracy of deep learning, a machine-learning technology, using ultra-wide-field fundus ophthalmoscopy for detecting rhegmatogenous retinal detachment. <i>Scientific Reports</i> , 2017, 7, 9425.	3.3	93
63	Axial length changes in highly myopic eyes and influence of myopic macular complications in Japanese adults. <i>PLoS ONE</i> , 2017, 12, e0180851.	2.5	30
64	Difference in torsional phacoemulsification oscillation between a balanced tip and a mini tip using an ultra-high-speed video camera. <i>Journal of Cataract and Refractive Surgery</i> , 2016, 42, 1511-1517.	1.5	3
65	A Pilot Evaluation Assessing the Ease of Use and Accuracy of the New Self/Home-Tonometer IcareHOME in Healthy Young Subjects. <i>Journal of Glaucoma</i> , 2016, 25, 835-841.	1.6	25
66	Intradvice and Interdevice Agreement Between a Rebound Tonometer, Icare PRO, and the Tonopen XL and Kowa Hand-held Applanation Tonometer When Used in the Sitting and Supine Position. <i>Journal of Glaucoma</i> , 2015, 24, 515-521.	1.6	24
67	The Relationship between Corvis ST Tonometry Measured Corneal Parameters and Intraocular Pressure, Corneal Thickness and Corneal Curvature. <i>PLoS ONE</i> , 2015, 10, e0140385.	2.5	54
68	The Whole Macular Choroidal Thickness in Subjects with Primary Open Angle Glaucoma. <i>PLoS ONE</i> , 2014, 9, e110265.	2.5	7
69	Repeatability of visual acuity testing using a psychometric function. <i>Japanese Journal of Ophthalmology</i> , 2014, 58, 381-387.	1.9	0
70	Changes in choroidal thickness after cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2014, 40, 184-191.	1.5	61
71	Swept-Source Optical Coherence Tomographic Findings in Morning Glory Syndrome. <i>Retina</i> , 2014, 34, 206-208.	1.7	7
72	Cross-Sectional Study of the Association between a Deepening of the Upper Eyelid Sulcus-Like Appearance and Wide-Open Eyes. <i>PLoS ONE</i> , 2014, 9, e96249.	2.5	13

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73	Retinal pigment epithelium folds as a diagnostic finding of Vogt-Koyanagi-Harada disease. Japanese Journal of Ophthalmology, 2013, 57, 90-94.	1.9	23
74	Intraocular Pressure of Supine Patients Using Four Portable Tonometers. Optometry and Vision Science, 2013, 90, 700-706.	1.2	18
75	3-D Choroidal Thickness Maps from EDI-OCT in Highly Myopic Eyes. Optometry and Vision Science, 2013, 90, 599-606.	1.2	31
76	Comparison of Visual Performance of Multifocal Intraocular Lenses with Same Material Monofocal Intraocular Lenses. PLoS ONE, 2013, 8, e68236.	2.5	56
77	Comparison of anterior chamber depth measurements by 3-dimensional optical coherence tomography, partial coherence interferometry biometry, Scheimpflug rotating camera imaging, and ultrasound biomicroscopy. Journal of Cataract and Refractive Surgery, 2012, 38, 1207-1213.	1.5	30
78	Effects of corneal thickness and axial length on intraocular pressure and ocular pulse amplitude before and after cataract surgery. Canadian Journal of Ophthalmology, 2011, 46, 242-246.	0.7	10
79	Latanoprost Therapy After Sunken Eyes Caused by Travoprost or Bimatoprost. Optometry and Vision Science, 2011, 88, 1140-1144.	1.2	34
80	Reduction of experimental laser-induced choroidal neovascularization by orally administered BPHA, a selective metalloproteinase inhibitor. Graefe's Archive for Clinical and Experimental Ophthalmology, 2003, 241, 943-952.	1.9	14
81	Study of the visual evoked magnetic field with the m-sequence technique. Investigative Ophthalmology and Visual Science, 2002, 43, 2045-54.	3.3	13