Hitoshi Tabuchi

List of Publications by Year in descending order

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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	Accuracy of deep learning, a machine-learning technology, using ultraâ€“wide-field fundus ophthalmoscopy for detecting rhegmatogenous retinal detachment. Scientific Reports, 2017, 7, 9425.	3.3	93
2	Accuracy of ultra-wide-field fundus ophthalmoscopy-assisted deep learning, a machine-learning technology, for detecting age-related macular degeneration. International Ophthalmology, 2019, 39, 1269-1275.	1.4	63
3	Changes in choroidal thickness after cataract surgery. Journal of Cataract and Refractive Surgery, 2014, 40, 184-191.	1.5	61
4	Accuracy of ultrawide-field fundus ophthalmoscopy-assisted deep learning for detecting treatment-naÃ¯ve proliferative diabetic retinopathy. International Ophthalmology, 2019, 39, 2153-2159.	1.4	56
5	Comparison of Visual Performance of Multifocal Intraocular Lenses with Same Material Monofocal Intraocular Lenses. PLoS ONE, 2013, 8, e68236.	2.5	56
6	The Relationship between Corvis ST Tonometry Measured Corneal Parameters and Intraocular Pressure, Corneal Thickness and Corneal Curvature. PLoS ONE, 2015, 10, e0140385.	2.5	54
7	Deep Neural Network-Based Method for Detecting Central Retinal Vein Occlusion Using Ultrawide-Field Fundus Ophthalmoscopy. Journal of Ophthalmology, 2018, 2018, 1-6.	1.3	50
8	Deep-learning Classifier With an Ultrawide-field Scanning Laser Ophthalmoscope Detects Glaucoma Visual Field Severity. Journal of Glaucoma, 2018, 27, 647-652.	1.6	50
9	Agreement among Goldmann applanation tonometer, iCare, and Icare PRO rebound tonometers; non-contact tonometer; and Tonopen XL in healthy elderly subjects. International Ophthalmology, 2018, 38, 687-696.	1.4	45
10	Automated detection of a nonperfusion area caused by retinal vein occlusion in optical coherence tomography angiography images using deep learning. PLoS ONE, 2019, 14, e0223965.	2.5	37
11	Comparison between support vector machine and deep learning, machine-learning technologies for detecting epiretinal membrane using 3D-OCT. International Ophthalmology, 2019, 39, 1871-1877.	1.4	37
12	Predicting the likelihood of need for future keratoplasty intervention using artificial intelligence. Ocular Surface, 2020, 18, 320-325.	4.4	37
13	Latanoprost Therapy After Sunken Eyes Caused by Travoprost or Bimatoprost. Optometry and Vision Science, 2011, 88, 1140-1144.	1.2	34
14	Prediction of Phakic Intraocular Lens Vault Using Machine Learning of Anterior Segment Optical Coherence Tomography Metrics. American Journal of Ophthalmology, 2021, 226, 90-99.	3.3	34
15	Accuracy of a deep convolutional neural network in the detection of myopic macular diseases using swept-source optical coherence tomography. PLoS ONE, 2020, 15, e0227240.	2.5	32
16	3-D Choroidal Thickness Maps from EDI-OCT in Highly Myopic Eyes. Optometry and Vision Science, 2013, 90, 599-606.	1.2	31
17	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
18	Time Course of Conjunctival Hyperemia Induced by a Rho-kinase Inhibitor Anti-glaucoma Eye Drop: Ripasudil 0.4%. Current Eye Research, 2017, 42, 738-742.	1.5	30

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19	Deep Neural Network-Based Method for Detecting Obstructive Meibomian Gland Dysfunction With in Vivo Laser Confocal Microscopy. Cornea, 2020, 39, 720-725.	1.7	30
20	Axial length changes in highly myopic eyes and influence of myopic macular complications in Japanese adults. PLoS ONE, 2017, 12, e0180851.	2.5	30
21	Accuracy of a deep convolutional neural network in detection of retinitis pigmentosa on ultrawide-field images. PeerJ, 2019, 7, e6900.	2.0	30
22	Deep-learning classifier with ultrawide-field fundus ophthalmoscopy for detecting branch retinal vein occlusion. International Journal of Ophthalmology, 2019, 12, 94-99.	1.1	28
23	Accuracy of deep learning, a machine learning technology, using ultra-wide-field fundus ophthalmoscopy for detecting idiopathic macular holes. PeerJ, 2018, 6, e5696.	2.0	26
24	A Pilot Evaluation Assessing the Ease of Use and Accuracy of the New Self/Home-Tonometer IcareHOME in Healthy Young Subjects. Journal of Glaucoma, 2016, 25, 835-841.	1.6	25
25	Using artificial intelligence to diagnose fresh osteoporotic vertebral fractures on magnetic resonance images. Spine Journal, 2021, 21, 1652-1658.	1.3	25
26	Intradevice 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. Journal of Glaucoma, 2015, 24, 515-521.	1.6	24
27	A Deep Learning Approach in Rebubbling After Descemet's Membrane Endothelial Keratoplasty. Eye and Contact Lens, 2020, 46, 121-126.	1.6	24
28	Retinal pigment epithelium folds as a diagnostic finding of Vogt-Koyanagi-Harada disease. Japanese Journal of Ophthalmology, 2013, 57, 90-94.	1.9	23
29	Comparison of the Intraocular Pressure Measured Using the New Rebound Tonometer Icare ic100 and Icare TA01i or Goldmann Applanation Tonometer. Journal of Glaucoma, 2019, 28, 172-177.	1.6	19
30	Predicting Keratoconus Progression and Need for Corneal Crosslinking Using Deep Learning. Journal of Clinical Medicine, 2021, 10, 844.	2.4	19
31	Exacerbation of branch retinal vein occlusion post SARS-CoV2 vaccination. Medicine (United States), 2021, 100, e28236.	1.0	19
32	Intraocular Pressure of Supine Patients Using Four Portable Tonometers. Optometry and Vision Science, 2013, 90, 700-706.	1.2	18
33	MORPHOLOGIC CHARACTERISTICS OF MACULAR HOLE AND MACULAR HOLE RETINAL DETACHMENT ASSOCIATED WITH EXTREME MYOPIA. Retina, 2019, 39, 1312-1318.	1.7	17
34	Changes in choroidal thickness in patients with diabetic retinopathy. International Ophthalmology, 2018, 38, 279-286.	1.4	15
35	Changes of choroidal structure and circulation after water drinking test in normal eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 2391-2399.	1.9	15
36	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

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37	Changes in Prostaglandin-associated Periorbital Syndrome After Switch from Conventional Prostaglandin F2Î± Treatment to Omidenepag Isopropyl in 11 Consecutive Patients. Journal of Glaucoma, 2020, 29, 326-328.	1.6	14
38	Usability and reproducibility of tear meniscus values generated via swept-source optical coherence tomography and the slit lamp with a graticule method. International Ophthalmology, 2018, 38, 679-686.	1.4	13
39	Cross-Sectional Study of the Association between a Deepening of the Upper Eyelid Sulcus-Like Appearance and Wide-Open Eyes. PLoS ONE, 2014, 9, e96249.	2.5	13
40	Study of the visual evoked magnetic field with the m-sequence technique. Investigative Ophthalmology and Visual Science, 2002, 43, 2045-54.	3.3	13
41	Prediction of age and brachial-ankle pulse-wave velocity using ultra-wide-field pseudo-color images by deep learning. Scientific Reports, 2020, 10, 19369.	3.3	12
42	Determination of iris thickness development in children using swept-source anterior-segment optical coherence tomography. PLoS ONE, 2019, 14, e0217656.	2.5	11
43	Accuracy of Diabetic Retinopathy Staging with a Deep Convolutional Neural Network Using Ultra-Wide-Field Fundus Ophthalmoscopy and Optical Coherence Tomography Angiography. Journal of Ophthalmology, 2021, 2021, 1-10.	1.3	11
44	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
45	Severity Classification of Conjunctival Hyperaemia by Deep Neural Network Ensembles. Journal of Ophthalmology, 2019, 2019, 1-10.	1.3	10
46	Treatment outcomes in the neovascular glaucoma tube versus trabeculectomy study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 3067-3076.	1.9	10
47	Time course of conjunctival hyperemia induced by omidenepag isopropyl ophthalmic solution 0.002%: a pilot, comparative study versus ripasudil 0.4%. BMJ Open Ophthalmology, 2020, 5, e000538.	1.6	9
48	The Whole Macular Choroidal Thickness in Subjects with Primary Open Angle Glaucoma. PLoS ONE, 2014, 9, e110265.	2.5	7
49	Swept-Source Optical Coherence Tomographic Findings in Morning Glory Syndrome. Retina, 2014, 34, 206-208.	1.7	7
50	Real-Time Surgical Problem Detection and Instrument Tracking in Cataract Surgery. Journal of Clinical Medicine, 2020, 9, 3896.	2.4	7
51	Objective evaluation of allergic conjunctival disease (with a focus on the application of artificial) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.3	7
52	Evaluation of Automatic Monitoring of Instillation Adherence Using Eye Dropper Bottle Sensor and Deep Learning in Patients With Glaucoma. Translational Vision Science and Technology, 2019, 8, 55.	2.2	6
53	A deep learning approach for successful big-bubble formation prediction in deep anterior lamellar keratoplasty. Scientific Reports, 2021, 11, 18559.	3.3	6
54	Branch retinal vein occlusion post severe acute respiratory syndrome coronavirus 2 vaccination. Taiwan Journal of Ophthalmology, 2022, 12, 202.	0.7	6

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55	Comparison of semi-automated center-dot and fully automated endothelial cell analyses from specular microscopy images. International Ophthalmology, 2018, 38, 2495-2507.	1.4	5
56	Glaucoma Implant Tube Lumen Obstruction Visualized Using Anterior Segment Optical Coherence Tomography. Journal of Glaucoma, 2018, 27, e64-e67.	1.6	4
57	Developing an iOS application that uses machine learning for the automated diagnosis of blepharoptosis. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 1329-1335.	1.9	4
58	A deep learning algorithm to identify cervical ossification of posterior longitudinal ligaments on radiography. Scientific Reports, 2022, 12, 2113.	3.3	4
59	Foveal Thickness Fluctuation in Anti-VEGF Treatment for Branch Retinal Vein Occlusion: A Long-term Study. Ophthalmology Retina, 2022, 6, 567-574.	2.4	4
60	Transferability of an Artificial Intelligence Algorithm Predicting Rebubblings After Descemet Membrane Endothelial Keratoplasty. Cornea, 2023, 42, 544-548.	1.7	4
61	Difference in torsional phacoemulsification oscillation between a balanced tip and a mini tip using an ultra-high-speed video camera. Journal of Cataract and Refractive Surgery, 2016, 42, 1511-1517.	1.5	3
62	Effects of kallidinogenase in patients undergoing vitrectomy for diabetic macular edema. International Ophthalmology, 2019, 39, 1307-1313.	1.4	3
63	Iris Morphological Features in Patients with 360Â° Angle-Closure Neovascular Glaucoma: An Anterior Segment Optical Coherence Tomography Study. Case Reports in Ophthalmology, 2019, 9, 449-456.	0.7	3
64	Effect of Manual Upper Eyelid Elevation on Intraocular Pressure Measurement by Four Different Tonometers. Optometry and Vision Science, 2020, 97, 128-133.	1.2	3
65	Automatic screening of tear meniscus from lacrimal duct obstructions using anterior segment optical coherence tomography images by deep learning. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 1569-1577.	1.9	3
66	Examination of the Safety and Effectiveness of Low-Concentration Nitrous Oxide Anesthesia in Cataract Surgery. Journal of Cataract and Refractive Surgery, 2021, Publish Ahead of Print, .	1.5	3
67	Changes in choroidal thickness in healthy pediatric individuals: a longitudinal study. International Journal of Ophthalmology, 2018, 11, 1179-1184.	1.1	3
68	Outcomes of Wider Area Bleb Revision Using Bleb Knife With Adjunctive Mitomycin C. Journal of Glaucoma, 2019, 28, 732-736.	1.6	2
69	Utility and safety of low-concentration nitrous oxide anesthesia in ptosis surgery. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	2
70	Nationwide multicentre comparison of preoperative biometry and predictability of cataract surgery in Japan. British Journal of Ophthalmology, 2022, 106, 1227-1234.	3.9	2
71	A case of IgG4-related conjunctival tumor with severe systemic allergy treated with antibodies against cytokine receptors. American Journal of Ophthalmology Case Reports, 2022, 26, 101469.	0.7	2
72	Need of preventive photocoagulation for retinal arterial macroaneurysm with retinal hemorrhage. Clinical Case Reports (discontinued), 2022, 10, e05683.	0.5	1

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73	Repeatability of visual acuity testing using a psychometric function. Japanese Journal of Ophthalmology, 2014, 58, 381-387.	1.9	0
74	A Case of Paracentral Corneal Perforation Treated with One-Bite Mini-Keratoplasty. TÃ¼rk Oftalmoloji Dergisi, 2021, 51, 55-57.	0.9	0
75	Simulation Experience of the Difficulty in Walking with Low Vision. Japanese Orthoptic Journal, 2020, 49, 57-63.	0.1	0
76	Title is missing!. , 2020, 15, e0227240.		0
77	Title is missing!. , 2020, 15, e0227240.		0
78	Title is missing!. , 2020, 15, e0227240.		0
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