

# Takayuki Baba

## List of Publications by Year in descending order

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74  
papers

1,294  
citations

430874

18  
h-index

395702

33  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1529  
citing authors

#	ARTICLE	IF	CITATIONS
1	CORRELATION OF VISUAL RECOVERY AND PRESENCE OF PHOTORECEPTOR INNER/OUTER SEGMENT JUNCTION IN OPTICAL COHERENCE IMAGES AFTER SUCCESSFUL MACULAR HOLE REPAIR. <i>Retina</i> , 2008, 28, 453-458.	1.7	150
2	Foveal Microstructure on Spectral-Domain Optical Coherence Tomographic Images and Visual Function After Macular Hole Surgery. <i>American Journal of Ophthalmology</i> , 2011, 152, 283-290.e1.	3.3	107
3	Comparison of Vitrectomy with Brilliant Blue G or Indocyanine Green on Retinal Microstructure and Function of Eyes with Macular Hole. <i>Ophthalmology</i> , 2012, 119, 2609-2615.	5.2	77
4	Photoreceptor impairment on optical coherence tomographic images in patients with retinitis pigmentosa. <i>British Journal of Ophthalmology</i> , 2013, 97, 237-238.	3.9	75
5	Two-year comparison of photodynamic therapy and intravitreal bevacizumab for treatment of myopic choroidal neovascularisation. <i>British Journal of Ophthalmology</i> , 2010, 94, 864-870.	3.9	68
6	Diabetic corneal neuropathy: clinical perspectives. <i>Clinical Ophthalmology</i> , 2018, Volume 12, 981-987.	1.8	49
7	SUPERFICIAL FOVEAL AVASCULAR ZONE DETERMINED BY OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY BEFORE AND AFTER MACULAR HOLE SURGERY. <i>Retina</i> , 2017, 37, 444-450.	1.7	47
8	A Rat Model for Choroidal Neovascularization Using Subretinal Lipid Hydroperoxide Injection. <i>American Journal of Pathology</i> , 2010, 176, 3085-3097.	3.8	43
9	Maturation of the Fetal Human Choriocapillaris. , 2009, 50, 3503.		37
10	Pathogenesis and Management of Macular Hole: Review of Current Advances. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-7.	1.3	33
11	Two-Year Course of Subfoveal Pigment Epithelial Detachment in Eyes with Age-Related Macular Degeneration and Visual Acuity Better than 20/40. <i>Ophthalmologica</i> , 2012, 228, 102-109.	1.9	32
12	Relationship between vision-related quality of life and microperimetry-determined macular sensitivity in patients with retinitis pigmentosa. <i>Japanese Journal of Ophthalmology</i> , 2011, 55, 643-646.	1.9	31
13	Neuronal Changes in the Diabetic Cornea: Perspectives for Neuroprotection. <i>BioMed Research International</i> , 2016, 2016, 1-8.	1.9	30
14	Neurotrophic Factors for Retinal Ganglion Cell Neuropathy - With a Special Reference to Diabetic Neuropathy in the Retina. <i>Current Diabetes Reviews</i> , 2014, 10, 166-176.	1.3	29
15	VEGF $\alpha$ in the developing vasculatures of the fetal human eye. <i>Developmental Dynamics</i> , 2012, 241, 595-607.	1.8	27
16	Regional Reduction of Ganglion Cell Complex after Vitrectomy with Internal Limiting Membrane Peeling for Idiopathic Macular Hole. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-7.	1.3	27
17	In vivo effects of single or combined topical neuroprotective and regenerative agents on degeneration of retinal ganglion cells in rat optic nerve crush model. <i>Scientific Reports</i> , 2019, 9, 101.	3.3	23
18	Visual outcomes after surgery for primary rhegmatogenous retinal detachment in era of microincision vitrectomy: Japan-Retinal Detachment Registry Report IV. <i>British Journal of Ophthalmology</i> , 2021, 105, 227-232.	3.9	20

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19	Changes in visual function and thickness of macula after photodynamic therapy for age-related macular degeneration. <i>Clinical Ophthalmology</i> , 2009, 3, 483.	1.8	18
20	Altered Expression of NF- $\kappa$ B and SP1 after Exposure to Advanced Glycation End-Products and Effects of Neurotrophic Factors in AGEs Exposed Rat Retinas. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-11.	2.3	18
21	Comparisons of Efficacy of Intravitreal Aflibercept and Ranibizumab in Eyes with Diabetic Macular Edema. <i>BioMed Research International</i> , 2017, 2017, 1-7.	1.9	18
22	Mechanisms of Neuronal Cell Death in AGE-exposed Retinas - Research and Literature Review. <i>Current Diabetes Reviews</i> , 2017, 13, 280-288.	1.3	17
23	Correlation between peripapillary retinal thickness and serum level of vascular endothelial growth factor in patients with POEMS syndrome. <i>British Journal of Ophthalmology</i> , 2016, 100, 897-901.	3.9	16
24	Correlation between serum level of vascular endothelial growth factor and subfoveal choroidal thickness in patients with POEMS syndrome. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1641-1646.	1.9	14
25	Clinical Trial to Evaluate Safety and Efficacy of Transdermal Electrical Stimulation on Visual Functions of Patients with Retinitis Pigmentosa. <i>Scientific Reports</i> , 2019, 9, 11668.	3.3	14
26	Combination of Neuroprotective and Regenerative Agents for AGE-Induced Retinal Degeneration: In Vitro Study. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	13
27	Comparison of the Efficacy of Sub-Tenon versus Intravitreal Triamcinolone Acetonide Injection during Cataract Surgery for Diabetic Macular Edema. <i>Ophthalmologica</i> , 2019, 241, 17-23.	1.9	13
28	Determination of Length of Interdigitation Zone by Optical Coherence Tomography and Retinal Sensitivity by Microperimetry and Their Relationship to Progression of Retinitis Pigmentosa. <i>BioMed Research International</i> , 2019, 2019, 1-6.	1.9	12
29	REGIONAL DENSITIES OF RETINAL CAPILLARIES AND RETINAL SENSITIVITIES AFTER MACULAR HOLE SURGERY WITH INTERNAL LIMITING MEMBRANE PEELING. <i>Retina</i> , 2020, 40, 1585-1591.	1.7	12
30	Changes in subfoveal choroidal thickness and reduction of serum levels of vascular endothelial growth factor in patients with POEMS syndrome. <i>British Journal of Ophthalmology</i> , 2017, 101, 786-790.	3.9	11
31	Characteristics of patients with spontaneous dislocation of in-the-bag intraocular lens after pars plana vitrectomy. <i>Japanese Journal of Ophthalmology</i> , 2017, 61, 267-270.	1.9	11
32	Efficacy of One-Year Treatment with Aflibercept for Diabetic Macular Edema with Practical Protocol. <i>BioMed Research International</i> , 2017, 2017, 1-6.	1.9	11
33	SCLERAL IMBRICATION COMBINED WITH PARS PLANA VITRECTOMY WITHOUT INTERNAL LIMITING MEMBRANE PEELING FOR MYOPIC SCHISIS. <i>Retina</i> , 2016, 36, 1927-1934.	1.7	10
34	Sodium-Glucose Cotransporter 2 Inhibitors Improve Chronic Diabetic Macular Edema. <i>Case Reports in Ophthalmological Medicine</i> , 2020, 2020, 1-6.	0.5	10
35	Effects of Switching from Anti-VEGF Treatment to Triamcinolone Acetonide in Eyes with Refractory Macular Edema Associated with Diabetic Retinopathy or Retinal Vein Occlusion. <i>BioMed Research International</i> , 2020, 2020, 1-11.	1.9	10
36	Different fixation targets affect retinal sensitivity obtained by microperimetry in normal individuals. <i>Clinical Ophthalmology</i> , 2017, Volume 11, 2011-2015.	1.8	9

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37	Study of foveal avascular zone by OCTA before and after idiopathic epiretinal membrane removal. Spektrum Der Augenheilkunde, 2018, 32, 31-38.	0.3	9
38	Level of Vascular Endothelial Growth Factor 165b in Human Aqueous Humor. Current Eye Research, 2014, 39, 830-836.	1.5	8
39	Functional and Morphologic Outcomes after Reoperation for Persistent Idiopathic Macular Hole. European Journal of Ophthalmology, 2017, 27, 231-234.	1.3	8
40	Acute Posterior Multifocal Placoid Pigment Epitheliopathy Sharing Characteristic OCT Findings of Vogt-Koyanagi-Harada Disease. Case Reports in Ophthalmological Medicine, 2019, 2019, 1-6.	0.5	8
41	Long-Term Effects of Half-Time Photodynamic Therapy on Retinal Sensitivity in Eyes with Chronic Central Serous Chorioretinopathy. BioMed Research International, 2020, 2020, 1-10.	1.9	8
42	Effects of Cataract Surgery on Vision-Related Quality of Life in Patients with Retinitis Pigmentosa and the Predictive Factors of Quality of Life Improvement. BioMed Research International, 2021, 2021, 1-6.	1.9	8
43	Level of vitreous alpha-B crystallin in eyes with rhegmatogenous retinal detachment. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1251-1254.	1.9	7
44	Refractive errors after sutureless intrascleral fixation of intraocular lens. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 3003-3009.	1.9	7
45	Randomized clinical trial comparing intravitreal aflibercept combined with subthreshold laser to intravitreal aflibercept monotherapy for diabetic macular edema. Scientific Reports, 2022, 12, .	3.3	7
46	The effect of posterior sub-Tenon's capsule triamcinolone acetonide injection to that of pars plana vitrectomy for diabetic macular edema. Clinical Ophthalmology, 2014, 8, 825.	1.8	6
47	Risk Factors for Refractory Diabetic Macular Oedema after Sub-Tenon's Capsule Triamcinolone Acetonide Injection. Journal of Ophthalmology, 2015, 2015, 1-4.	1.3	5
48	A Case of Conjunctival Amyloidosis with Repeated Subconjunctival Hemorrhage. Case Reports in Ophthalmological Medicine, 2017, 2017, 1-5.	0.5	5
49	Comparisons of One to Three Monthly Injections of Aflibercept for Diabetic Macular Edema by Practical Protocol. Journal of Diabetes Research, 2021, 2021, 1-8.	2.3	5
50	The Impact of Cataract Surgery on Contrast Visual Acuity and Retinal Sensitivity in Patients with Retinitis Pigmentosa. Journal of Ophthalmology, 2021, 2021, 1-6.	1.3	5
51	Sodium-Glucose Co-Transporter 2 Inhibitors Reduce Macular Edema in Patients with Diabetes mellitus. Life, 2022, 12, 692.	2.4	5
52	Relapsing polychondritis with different types of ocular inflammations. International Medical Case Reports Journal, 2015, 8, 193.	0.8	4
53	Comparisons of Visual and Surgical Outcomes after Reuse or Replacement of Dislocated in-the-Bag Intraocular Lens. Journal of Ophthalmology, 2018, 2018, 1-4.	1.3	4
54	Outcomes of Vitrectomy Combined with Scleral Buckling for Eyes with Early Recurrence of Simple Rhegmatogenous Retinal Detachment Previously Treated by Pars Plana Vitrectomy. Journal of Ophthalmology, 2020, 2020, 1-7.	1.3	4

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55	Surgical outcomes of vitrectomy for breakthrough vitreous hemorrhage in eyes with exudative age-related macular degeneration. International Ophthalmology, 2021, 41, 1835-1844.	1.4	4
56	Detecting Diabetic Retinal Neuropathy Using Fundus Perimetry. International Journal of Molecular Sciences, 2021, 22, 10726.	4.1	4
57	Regional and sex differences in retinal detachment surgery: Japan-retinal detachment registry report. Scientific Reports, 2021, 11, 20611.	3.3	4
58	Effects of sub-Tenon's capsule triamcinolone acetonide injection combined with microa- neurysm photocoagulation on diabetic macular edema. International Medical Case Reports Journal, 2015, 8, 321.	0.8	3
59	Reduction of Optic Disc Oedema by Bortezomib and Dexamethasone Followed by Autologous Peripheral Blood Stem Cell Transplantation in Patient with POEMS Syndrome. Neuro-Ophthalmology, 2018, 42, 25-30.	1.0	3
60	Effect of surgeon-related factors on outcome of retinal detachment surgery: analyses of data in Japan-retinal detachment registry. Scientific Reports, 2022, 12, 4213.	3.3	3
61	Evaluating the efficacy and safety of transdermal electrical stimulation on the visual functions of patients with retinitis pigmentosa: a clinical trial protocol for a prospective, multicentre, randomised, double-masked and sham-controlled design (ePICO trial). BMJ Open, 2022, 12, e057193.	1.9	3
62	Progression Rate of Visual Function and Affecting Factors at Different Stages of Retinitis Pigmentosa. BioMed Research International, 2022, 2022, 1-8.	1.9	3
63	Two cases with retinitis pigmentosa that developed severe retinal atrophy long after vitreo-retinal surgery. American Journal of Ophthalmology Case Reports, 2020, 18, 100716.	0.7	2
64	Partial detachment of internal limiting membrane flap and spontaneous re-covering of macular hole by flap. American Journal of Ophthalmology Case Reports, 2021, 22, 101089.	0.7	2
65	Long-term follow-up of retinal morphology and physiology after 2000mg sildenafil overdose as a means of attempted suicide: a case report. BMC Ophthalmology, 2022, 22, 216.	1.4	2
66	Case report: Partial visual recovery from incomplete traumatic optic nerve avulsion caused by a badminton shuttle. American Journal of Ophthalmology Case Reports, 2022, 27, 101624.	0.7	2
67	CORRELATIONS BETWEEN PREOPERATIVE RETINAL PIGMENT EPITHELIAL PROTRUSIONS AND POSTOPERATIVE OUTCOMES IN EYES WITH IDIOPATHIC MACULAR HOLES. Retina, 2017, 37, 472-476.	1.7	1
68	Comparison of Internal Limiting Membrane Peeling and Flap Removal to Flap Insertion on Visual Outcomes in Highly Myopic Eyes with Macular-Hole Retinal Detachment. Ophthalmologica, 2021, 244, 110-117.	1.9	1
69	Characteristics and surgical outcomes of rhegmatogenous retinal detachments that develop after intravitreal injections. Japanese Journal of Ophthalmology, 2021, 65, 492-496.	1.9	1
70	Relationship between retinal sensitivities and optical coherence tomographic findings in eyes with myopic chorioretinal atrophy. European Journal of Ophthalmology, 2021, , 112067212110080.	1.3	1
71	Concurrent Phacoemulsification and Encircling for Hypotony Maculopathy after Blunt Trauma. Case Reports in Medicine, 2020, 2020, 1-3.	0.7	0
72	The Use of Inner Retinectomy to Relieve Inner Retinal Foreshortening Causing Retinal Detachment in the Setting of Branch Retinal Vein Occlusion. Case Reports in Ophthalmological Medicine, 2020, 2020, 1-5.	0.5	0

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73	Comparisons of surgical outcomes after epiretinal membrane peeling in the myopic eyes with long to that with normal axial length. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 593-599.	1.9	0
74	Worsening of Retinal Detachment after Cataract Surgery in the Eye with Persistent Fetal Vasculature. Case Reports in Medicine, 2021, 2021, 1-4.	0.7	0