Glenn Yiu

List of Publications by Year in Descending Order

91 papers	3,456 citations	22 h-index	58 g-index
106 ext. papers	3,972 ext. citations	5.5 avg, IF	5.48 L-index

#	Paper	IF	Citations
91	Review of gene therapies for age-related macular degeneration.. *Eye*, **2022**,	4.4	2
90	CRISPR-based VEGF suppression using paired guide RNAs for treatment of choroidal neovascularization. *Molecular Therapy - Nucleic Acids*, **2022**, 28, 613-622	10.7	2
89	Visible Light Optical Coherence Tomography (OCT) Quantifies Subcellular Contributions to Outer Retinal Band 4. *Translational Vision Science and Technology*, **2021**, 10, 30	3.3	8
88	3-Dimensional Visualization of Arteriovenous Crossing in a Branch Retinal Vein Occlusion. *Ophthalmology*, **2021**, 128, 363	7.3	
87	Advanced Retinal Imaging and Ocular Parameters of the Rhesus Macaque Eye. *Translational Vision Science and Technology*, **2021**, 10, 7	3.3	5
86	Research Funding, Income, and Career Satisfaction Among Clinician-Scientists in Ophthalmology in the United States. *American Journal of Ophthalmology*, **2021**, 227, 254-264	4.9	1
85	Host Immune Responses after Suprachoroidal Delivery of AAV8 in Nonhuman Primate Eyes. *Human Gene Therapy*, **2021**, 32, 682-693	4.8	12
84	Self-Supervised Feature Learning and Phenotyping for Assessing Age-Related Macular Degeneration Using Retinal Fundus Images. *Ophthalmology Retina*, **2021**, 6, 116-116	3.8	3
83	Ocular Inflammation and Treatment Emergent Adverse Events in Retinal Gene Therapy. *International Ophthalmology Clinics*, **2021**, 61, 151-177	1.7	5
82	Patterns and Predictors of Successful Treatment Discontinuation in Retinal Vein Occlusions With Macular Edema in the Real World. *Ophthalmic Surgery Lasers and Imaging Retina*, **2021**, 52, 84-92	1.4	0
81	Intraoperative Retinal Changes May Predict Surgical Outcomes After Epiretinal Membrane Peeling. *Translational Vision Science and Technology*, **2021**, 10, 36	3.3	
80	Targeting vascular endothelial growth factor using retinal gene therapy. *Annals of Translational Medicine*, **2021**, 9, 1277	3.2	2
79	NATURAL HISTORY AND PREDICTORS OF VISION LOSS IN EYES WITH DIABETIC MACULAR EDEMA AND GOOD INITIAL VISUAL ACUITY. *Retina*, **2021**, 41, 2132-2139	3.6	1
78	Age-related changes in the rhesus macaque eye. *Experimental Eye Research*, **2021**, 212, 108754	3.7	2
77	Clinical presentation, treatment, and genetic and histopathological analysis of juvenile cataracts and secondary glaucoma in a rhesus macaque (Macaca mulatta).. *Journal of Medical Primatology*, **2021**,	0.7	1
76	Drusen in dense deposit disease: not just age-related macular degeneration. *Lancet, The*, **2020**, 395, 1726	40	2
75	Safety and Biocompatibility of Aflibercept-Loaded Microsphere Thermo-Responsive Hydrogel Drug Delivery System in a Nonhuman Primate Model. *Translational Vision Science and Technology*, **2020**, 9, 30	3.3	11

74	Long-term Evolution and Remodeling of Soft Drusen in Rhesus Macaques **2020**, 61, 32		13
73	Suprachoroidal and Subretinal Injections of AAV Using Transscleral Microneedles for Retinal Gene Delivery in Nonhuman Primates. *Molecular Therapy - Methods and Clinical Development*, **2020**, 16, 179-191	6.4	50
72	Factors Impacting Efficacy of AAV-Mediated CRISPR-Based Genome Editing for Treatment of Choroidal Neovascularization. *Molecular Therapy - Methods and Clinical Development*, **2020**, 17, 409-417	6.4	16
71	Evolution of ocular defects in infant macaques following in utero Zika virus infection. *JCI Insight*, **2020**, 5,	9.9	5
70	Visible light OCT improves imaging through a highly scattering retinal pigment epithelial wall. *Optics Letters*, **2020**, 45, 5945-5948	3	6
69	Cost Analysis of Teleophthalmology Screening for Diabetic Retinopathy Using Teleophthalmology Billing Codes. *Ophthalmic Surgery Lasers and Imaging Retina*, **2020**, 51, S26-S34	1.4	1
68	Retinal Laser Injury **2020**, 210-212		
67	Anti-Retinal Antibodies in Vitamin A Deficiency. *Ophthalmic Surgery Lasers and Imaging Retina*, **2020** , 51, 723-726	1.4	0
66	Real-world management and long-term outcomes of diabetic macular oedema with good visual acuity. *Eye*, **2020**, 34, 1108-1115	4.4	3
65	Retinal Vessel Density in Exudative and Nonexudative Age-Related Macular Degeneration on Optical Coherence Tomography Angiography. *American Journal of Ophthalmology*, **2020**, 212, 7-16	4.9	9
64	Man in His 90s With a History of Tachycardia and Abnormal Findings on Slitlamp Examination of the Cornea. *JAMA Cardiology*, **2020**, 5, 102	16.2	0
63	Quantitative Fundus Autofluorescence in Rhesus Macaques in Aging and Age-Related Drusen **2020**, 61, 16		5
62	Identification of Patients with Pentosan Polysulfate Sodium-Associated Maculopathy through Screening of the Electronic Medical Record at an Academic Center. *Journal of Ophthalmology*, **2020**, 2020, 8866961	2	5
61	CRISPR Technology for Ocular Angiogenesis. *Frontiers in Genome Editing*, **2020**, 2, 594984	2.5	2
60	Spectral-Domain OCT Predictors of Visual Outcomes after Ranibizumab Treatment for Macular Edema Resulting from Retinal Vein Occlusion. *Ophthalmology Retina*, **2020**, 4, 67-76	3.8	17
59	Asymmetry in Pigmented Paravenous Retinochoroidal Atrophy. *JAMA Ophthalmology*, **2020**, 138, e190911	3.9	0
58	Inverted Hypopyon. *JAMA Ophthalmology*, **2019**, 137, e185256	3.9	3
57	Long-term natural history of idiopathic epiretinal membranes with good visual acuity. *Eye*, **2019**, 33, 714-723	4.4	7

56	Statistical Issues on Evaluating Association Between the Cilioretinal Artery and Age-Related Macular Degeneration-Reply. *JAMA Ophthalmology*, **2019**, 137, 856	3.9	1
55	Vascular Response to Sildenafil Citrate in Aging and Age-Related Macular Degeneration. *Scientific Reports*, **2019**, 9, 5049	4.9	12
54	A nonhuman primate model of inherited retinal disease. *Journal of Clinical Investigation*, **2019**, 129, 863-874	15.9	46
53	Emerging Concepts in the Treatment of Diabetic Retinopathy. *Current Diabetes Reports*, **2019**, 19, 137	5.6	13
52	Choriovitreal Neovascularization After Resolution of Infectious Chorioretinitis. *Retina*, **2019**, 39, e21-e22	3.6	
51	Medical and Surgical Applications for the Suprachoroidal Space. *International Ophthalmology Clinics*, **2019**, 59, 195-207	1.7	14
50	Posterior Segment Complications and Impact on Long-Term Visual Outcomes in Eyes With a Type 1 Boston Keratoprosthesis. *Cornea*, **2019**, 38, 1111-1116	3.1	8
49	Pneumatic Retinopexy Experience and Outcomes of Vitreoretinal Fellows in the United States: A Multicenter Study. *Ophthalmology Retina*, **2019**, 3, 140-145	3.8	8
48	OUTCOMES OF PNEUMATIC RETINOPEXY PERFORMED BY VITREORETINAL FELLOWS. *Retina*, **2019**, 39, 186-192	3.6	5
47	Reply. *American Journal of Ophthalmology*, **2018**, 189, 178	4.9	1
46	Subthreshold micropulse laser reduces anti-VEGF injection burden in patients with diabetic macular edema. *European Journal of Ophthalmology*, **2018**, 28, 68-73	1.9	31
45	Comparison of chorioretinal layers in rhesus macaques using spectral-domain optical coherence tomography and high-resolution histological sections. *Experimental Eye Research*, **2018**, 168, 69-76	3.7	24
44	Association Between the Cilioretinal Artery and Choroidal Neovascularization in Age-Related Macular Degeneration: A Secondary Analysis From the Age-Related Eye Disease Study. *JAMA Ophthalmology*, **2018**, 136, 1008-1014	3.9	19
43	The impact of conversion to International Classification of Diseases, 10th revision (ICD-10) on an academic ophthalmology practice. *Clinical Ophthalmology*, **2018**, 12, 949-956	2.5	9
42	Branch Retinal Artery Ischemia. *Retina*, **2018**, 38, e61-e62	3.6	1
41	Effects of aging and environmental tobacco smoke exposure on ocular and plasma circulatory microRNAs in the Rhesus macaque. *Molecular Vision*, **2018**, 24, 633-646	2.3	9
40	Choroidal Changes After Suprachoroidal Injection of Triamcinolone Acetonide in Eyes With Macular Edema Secondary to Retinal Vein Occlusion. *American Journal of Ophthalmology*, **2018**, 186, 144-151	4.9	35
39	Refining the definition of the choroidal-scleral interface. *Acta Ophthalmologica*, **2017**, 95, e242-e243	3.7	3

38	Effect of Syringe Design on the Accuracy and Precision of Intravitreal Injections of Anti-VEGF Agents. *Current Eye Research*, **2017**, 42, 1059-1063	2.9	9
37	Macular Fluid Reduces Reproducibility of Choroidal Thickness Measurements on Enhanced Depth Optical Coherence Tomography. *American Journal of Ophthalmology*, **2017**, 184, 108-114	4.9	12
36	A Review of Innovations in Rhegmatogenous Retinal Detachment Surgical Techniques. *Journal of Ophthalmology*, **2017**, 2017, 4310643	2	32
35	In Vivo Multimodal Imaging of Drusenoid Lesions in Rhesus Macaques. *Scientific Reports*, **2017**, 7, 15013	4.9	22
34	Retinal detachment in severe myopia. *Lancet, The*, **2017**, 389, 1133	40	6
33	Optical Coherence Tomography Predictors of Risk for Progression to Non-Neovascular Atrophic Age-Related Macular Degeneration. *Ophthalmology*, **2017**, 124, 1764-1777	7.3	57
32	The suprachoroidal space: from potential space to a space with potential. *Clinical Ophthalmology*, **2016**, 10, 173-8	2.5	39
31	Role of Tractional Forces and Internal Limiting Membrane in Macular Hole Formation: Insights from Intraoperative Optical Coherence Tomography. *Case Reports in Ophthalmology*, **2016**, 7, 372-376	0.7	4
30	Effect of Uveal Melanocytes on Choroidal Morphology in Rhesus Macaques and Humans on Enhanced-Depth Imaging Optical Coherence Tomography **2016**, 57, 5764-5771		28
29	Genomic Disruption of VEGF-A Expression in Human Retinal Pigment Epithelial Cells Using CRISPR-Cas9 Endonuclease **2016**, 57, 5490-5497		26
28	MIRRORED-PRISM SPECTACLES FOR FACEDOWN POSTURING AFTER VITREORETINAL SURGERY WITH GAS TAMPONADE. *Retina*, **2016**, 36, 846-8	3.6	
27	Repeatability of Choroidal Thickness Measurements on Enhanced Depth Imaging Optical Coherence Tomography Using Different Posterior Boundaries. *American Journal of Ophthalmology*, **2016**, 169, 104-112	4.9	35
26	Relationship of central choroidal thickness with age-related macular degeneration status. *American Journal of Ophthalmology*, **2015**, 159, 617-26	4.9	60
25	Current and investigational pharmacotherapeutic approaches for modulating retinal angiogenesis. *Expert Review of Clinical Pharmacology*, **2014**, 7, 375-91	3.8	18
24	Effect of anti-vascular endothelial growth factor therapy on choroidal thickness in diabetic macular edema. *American Journal of Ophthalmology*, **2014**, 158, 745-751.e2	4.9	76
23	Spontaneous peripheral migration of subfoveal perfluorocarbon. *Retina*, **2014**, 34, 2315-6	3.6	10
22	B-scan ultrasonography following open globe repair. *Eye*, **2014**, 28, 381-5	4.4	19
21	Subretinal hemorrhage. *Developments in Ophthalmology*, **2014**, 54, 213-22		10

20	Ocular safety of recreational lasers. *JAMA Ophthalmology*, **2014**, 132, 245-6	3.9	19
19	Characterization of the choroid-scleral junction and suprachoroidal layer in healthy individuals on enhanced-depth imaging optical coherence tomography. *JAMA Ophthalmology*, **2014**, 132, 174-81	3.9	79
18	Choroidal metastatasis from a neuroendocrine tumor masquerading as choroidal melanoma. *Ophthalmic Surgery Lasers and Imaging Retina*, **2014**, 45, 456-8	1.4	3
17	Epigenetic Mechanisms of Retinal Disease **2013**, 642-651		
16	Surgical outcomes after epiretinal membrane peeling combined with cataract surgery. *British Journal of Ophthalmology*, **2013**, 97, 1197-201	5.5	19
15	Choroidal osteomas. *JAMA Ophthalmology*, **2013**, 131, 124	3.9	2
14	AuthorsVresponse: surgical outcomes after epiretinal membrane peeling combined with cataract surgery. *British Journal of Ophthalmology*, **2013**, 97, 1609	5.5	
13	Progressive outer retinal necrosis presenting as cherry red spot. *Ocular Immunology and Inflammation*, **2012**, 20, 384-6	2.8	0
12	Dorsal midbrain syndrome from a ring-enhancing lesion. *Seminars in Ophthalmology*, **2012**, 27, 65-8	2.4	2
11	Prophylaxis against postoperative endophthalmitis in cataract surgery. *International Ophthalmology Clinics*, **2011**, 51, 67-83	1.7	7
10	Retrograde BMP signaling regulates trigeminal sensory neuron identities and the formation of precise face maps. *Neuron*, **2007**, 55, 572-86	13.9	89
9	Protecting axonal degeneration by increasing nicotinamide adenine dinucleotide levels in experimental autoimmune encephalomyelitis models. *Journal of Neuroscience*, **2006**, 26, 9794-804	6.6	119
8	Glial inhibition of CNS axon regeneration. *Nature Reviews Neuroscience*, **2006**, 7, 617-27	13.5	1140
7	A TNF receptor family member, TROY, is a coreceptor with Nogo receptor in mediating the inhibitory activity of myelin inhibitors. *Neuron*, **2005**, 45, 345-51	13.9	340
6	EGFR activation mediates inhibition of axon regeneration by myelin and chondroitin sulfate proteoglycans. *Science*, **2005**, 310, 106-10	33.3	293
5	Signaling mechanisms of the myelin inhibitors of axon regeneration. *Current Opinion in Neurobiology*, **2003**, 13, 545-51	7.6	84
4	Reelin is expressed in the accessory olfactory system, but is not a guidance cue for vomeronasal axons. *Developmental Brain Research*, **2003**, 140, 303-7		15
3	A custom-made two-photon microscope and deconvolution system. *Pflugers Archiv European Journal of Physiology*, **2000**, 441, 398-408	4.6	143

2	A third member of the synapsin gene family. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 4667-72	11.5	190
1	Host immune responses after suprachoroidal delivery of AAV8 in nonhuman primate eyes		1