Glenn Yiu

List of Publications by Year
in descending order

101 papers	4,425 citations	218677 26 h-index	110387 64 g-index
106 all docs	106 docs citations	106 times ranked	5420 citing authors

#	Article	IF	Citations
1	Glial inhibition of CNS axon regeneration. Nature Reviews Neuroscience, 2006, 7, 617-627.	10.2	1,329
2	A TNF Receptor Family Member, TROY, Is a Coreceptor with Nogo Receptor in Mediating the Inhibitory Activity of Myelin Inhibitors. Neuron, 2005, 45, 345-351.	8.1	362
3	EGFR Activation Mediates Inhibition of Axon Regeneration by Myelin and Chondroitin Sulfate Proteoglycans. Science, 2005, 310, 106-110.	12.6	325
4	A third member of the synapsin gene family. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4667-4672.	7.1	225
5	A custom-made two-photon microscope and deconvolution system. Pflugers Archiv European Journal of Physiology, 2000, 441, 398-408.	2.8	153
6	Protecting Axonal Degeneration by Increasing Nicotinamide Adenine Dinucleotide Levels in Experimental Autoimmune Encephalomyelitis Models. Journal of Neuroscience, 2006, 26, 9794-9804.	3.6	144
7	Retrograde BMP Signaling Regulates Trigeminal Sensory Neuron Identities and the Formation of Precise Face Maps. Neuron, 2007, 55, 572-586.	8.1	102
8	Characterization of the Choroid-Scleral Junction and Suprachoroidal Layer in Healthy Individuals on Enhanced-Depth Imaging Optical Coherence Tomography. JAMA Ophthalmology, 2014, 132, 174.	2.5	93
9	Effect of Antiâ€"Vascular Endothelial Growth Factor Therapy on Choroidal Thickness in Diabetic Macular Edema. American Journal of Ophthalmology, 2014, 158, 745-751.e2.	3.3	87
10	Signaling mechanisms of the myelin inhibitors of axon regeneration. Current Opinion in Neurobiology, 2003, 13, 545-551.	4.2	85
11	A nonhuman primate model of inherited retinal disease. Journal of Clinical Investigation, 2019, 129, 863-874.	8.2	78
12	Relationship of Central Choroidal Thickness With Age-Related Macular Degeneration Status. American Journal of Ophthalmology, 2015, 159, 617-626.e2.	3.3	77
13	Optical Coherence Tomography Predictors of Risk for Progression to Non-Neovascular Atrophic Age-Related Macular Degeneration. Ophthalmology, 2017, 124, 1764-1777.	5.2	77
14	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.	4.1	73
15	The suprachoroidal space: from potential space to a space with potential. Clinical Ophthalmology, 2016, 10, 173.	1.8	58
16	A Review of Innovations in Rhegmatogenous Retinal Detachment Surgical Techniques. Journal of Ophthalmology, 2017, 2017, 1-5.	1.3	55
17	Subthreshold micropulse laser reduces anti-VEGF injection burden in patients with diabetic macular edema. European Journal of Ophthalmology, 2018, 28, 68-73.	1.3	53
18	Spectral-Domain OCT Predictors of Visual Outcomes after Ranibizumab Treatment for Macular Edema Resulting from Retinal Vein Occlusion. Ophthalmology Retina, 2020, 4, 67-76.	2.4	44

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19	Repeatability of Choroidal Thickness Measurements on Enhanced Depth Imaging Optical Coherence Tomography Using Different Posterior Boundaries. American Journal of Ophthalmology, 2016, 169, 104-112.	3.3	43
20	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.	3.3	42
21	Effect of Uveal Melanocytes on Choroidal Morphology in Rhesus Macaques and Humans on Enhanced-Depth Imaging Optical Coherence Tomography. , 2016, 57, 5764.		40
22	Genomic Disruption of VEGF-A Expression in Human Retinal Pigment Epithelial Cells Using CRISPR-Cas9 Endonuclease. , 2016, 57, 5490.		39
23	In Vivo Multimodal Imaging of Drusenoid Lesions in Rhesus Macaques. Scientific Reports, 2017, 7, 15013.	3.3	38
24	Review of gene therapies for age-related macular degeneration. Eye, 2022, 36, 303-311.	2.1	38
25	Association Between the Cilioretinal Artery and Choroidal Neovascularization in Age-Related Macular Degeneration. JAMA Ophthalmology, 2018, 136, 1008.	2.5	32
26	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.	2.6	31
27	Ocular Safety of Recreational Lasers. JAMA Ophthalmology, 2014, 132, 245.	2.5	27
28	Retinal Vessel Density in Exudative and Nonexudative Age-Related Macular Degeneration on Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2020, 212, 7-16.	3.3	27
29	Long-term Evolution and Remodeling of Soft Drusen in Rhesus Macaques. , 2020, 61, 32.		27
30	Host Immune Responses after Suprachoroidal Delivery of AAV8 in Nonhuman Primate Eyes. Human Gene Therapy, 2021, 32, 682-693.	2.7	27
31	Surgical outcomes after epiretinal membrane peeling combined with cataract surgery. British Journal of Ophthalmology, 2013, 97, 1197-1201.	3.9	26
32	B-scan ultrasonography following open globe repair. Eye, 2014, 28, 381-385.	2.1	26
33	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.	4.1	26
34	Visible Light Optical Coherence Tomography (OCT) Quantifies Subcellular Contributions to Outer Retinal Band 4. Translational Vision Science and Technology, 2021, 10, 30.	2.2	25
35	Emerging Concepts in the Treatment of Diabetic Retinopathy. Current Diabetes Reports, 2019, 19, 137.	4.2	23
36	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.	2.2	22

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37	Current and investigational pharmacotherapeutic approaches for modulating retinal angiogenesis. Expert Review of Clinical Pharmacology, 2014, 7, 375-391.	3.1	21
38	Medical and Surgical Applications for the Suprachoroidal Space. International Ophthalmology Clinics, 2019, 59, 195-207.	0.7	21
39	Vascular Response to Sildenafil Citrate in Aging and Age-Related Macular Degeneration. Scientific Reports, 2019, 9, 5049.	3.3	20
40	Subretinal Hemorrhage. Developments in Ophthalmology, 2014, 54, 213-222.	0.1	18
41	Pneumatic Retinopexy Experience and Outcomes of Vitreoretinal Fellows in the United States. Ophthalmology Retina, 2019, 3, 140-145.	2.4	18
42	Reelin is expressed in the accessory olfactory system, but is not a guidance cue for vomeronasal axons. Developmental Brain Research, 2003, 140, 303-307.	1.7	17
43	Effect of Syringe Design on the Accuracy and Precision of Intravitreal Injections of Anti-VEGF Agents. Current Eye Research, 2017, 42, 1059-1063.	1.5	17
44	Long-term natural history of idiopathic epiretinal membranes with good visual acuity. Eye, 2019, 33, 714-723.	2.1	17
45	Macular Fluid Reduces Reproducibility of Choroidal Thickness Measurements on Enhanced Depth Optical Coherence Tomography. American Journal of Ophthalmology, 2017, 184, 108-114.	3.3	16
46	Self-Supervised Feature Learning and Phenotyping for Assessing Age-Related Macular Degeneration Using Retinal FundusÂImages. Ophthalmology Retina, 2022, 6, 116-129.	2.4	15
47	Spontaneous Peripheral Migration of Subfoveal Perfluorocarbon. Retina, 2014, 34, 2315-2316.	1.7	13
48	Advanced Retinal Imaging and Ocular Parameters of the Rhesus Macaque Eye. Translational Vision Science and Technology, 2021, 10, 7.	2.2	13
49	The impact of conversion to International Classification of Diseases, 10th revision (ICD-10) on an academic ophthalmology practice. Clinical Ophthalmology, 2018, Volume 12, 949-956.	1.8	12
50	Ocular Inflammation and Treatment Emergent Adverse Events in Retinal Gene Therapy. International Ophthalmology Clinics, 2021, 61, 151-177.	0.7	12
51	CRISPR-based VEGF suppression using paired guide RNAs for treatment of choroidal neovascularization. Molecular Therapy - Nucleic Acids, 2022, 28, 613-622.	5.1	12
52	Posterior Segment Complications and Impact on Long-Term Visual Outcomes in Eyes With a Type 1 Boston Keratoprosthesis. Cornea, 2019, 38, 1111-1116.	1.7	11
53	Evolution of ocular defects in infant macaques following in utero Zika virus infection. JCI Insight, 2020, 5, .	5.0	10
54	Visible light OCT improves imaging through a highly scattering retinal pigment epithelial wall. Optics Letters, 2020, 45, 5945.	3.3	10

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55	Targeting vascular endothelial growth factor using retinal gene therapy. Annals of Translational Medicine, 2021, 9, 1277-1277.	1.7	9
56	Age-related changes in the rhesus macaque eye. Experimental Eye Research, 2021, 212, 108754.	2.6	9
57	Effects of aging and environmental tobacco smoke exposure on ocular and plasma circulatory microRNAs in the Rhesus macaque. Molecular Vision, 2018, 24, 633-646.	1.1	9
58	Prophylactic Ranibizumab to Prevent Neovascular Age-Related Macular Degeneration in Vulnerable Fellow Eyes. Ophthalmology Retina, 2022, 6, 484-494.	2.4	9
59	Prophylaxis Against Postoperative Endophthalmitis in Cataract Surgery. International Ophthalmology Clinics, 2011, 51, 67-83.	0.7	8
60	Genome Editing in Retinal Diseases using CRISPR Technology. Ophthalmology Retina, 2018, 2, 1-3.	2.4	8
61	CRISPR Technology for Ocular Angiogenesis. Frontiers in Genome Editing, 2020, 2, 594984.	5.2	8
62	NATURAL HISTORY AND PREDICTORS OF VISION LOSS IN EYES WITH DIABETIC MACULAR EDEMA AND GOOD INITIAL VISUAL ACUITY. Retina, 2021, 41, 2132-2139.	1.7	8
63	Retinal detachment in severe myopia. Lancet, The, 2017, 389, 1133.	13.7	7
64	Quantitative Fundus Autofluorescence in Rhesus Macaques in Aging and Age-Related Drusen. , 2020, 61, 16.		7
65	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, 1-10.	1.3	7
66	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	6
67	OUTCOMES OF PNEUMATIC RETINOPEXY PERFORMED BY VITREORETINAL FELLOWS. Retina, 2019, 39, 186-192.	1.7	6
68	Cost Analysis of Teleophthalmology Screening for Diabetic Retinopathy Using Teleophthalmology Billing Codes. Ophthalmic Surgery Lasers and Imaging Retina, 2020, 51, S26-S34.	0.7	6
69	Trends in Remote Retinal Imaging Utilization and Payments in the United States. Ophthalmology, 2022, 129, 354-357.	5.2	5
70	Real-world management and long-term outcomes of diabetic macular oedema with good visual acuity. Eye, 2020, 34, 1108-1115.	2.1	4
71	Drusen in dense deposit disease: not just age-related macular degeneration. Lancet, The, 2020, 395, 1726.	13.7	4
72	Choroidal Metastatasis From a Neuroendocrine Tumor Masquerading as Choroidal Melanoma. Ophthalmic Surgery Lasers and Imaging Retina, 2014, 45, 456-458.	0.7	4

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73	IDIOPATHIC MULTIFOCAL CHOROIDITIS WITH SERPIGINOUS-LIKE PERIPAPILLARY CHORIORETINAL ATROPHY. Retina, 2022, 42, 1574-1582.	1.7	4
74	Refining the definition of the choroidalâ€"scleral interface. Acta Ophthalmologica, 2017, 95, e242-e243.	1.1	3
75	Inverted Hypopyon. JAMA Ophthalmology, 2019, 137, e185256.	2.5	3
76	Asymmetry in Pigmented Paravenous Retinochoroidal Atrophy. JAMA Ophthalmology, 2020, 138, e190911.	2.5	3
77	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.	0.7	3
78	Research Funding, Income, and Career Satisfaction Among Clinician-Scientists in Ophthalmology in the United States. American Journal of Ophthalmology, 2021, 227, 254-264.	3.3	3
79	Teleophthalmology Using Remote Retinal Imaging During the COVID-19 Pandemic. Telemedicine Journal and E-Health, 2023, 29, 81-86.	2.8	3
80	Dorsal Midbrain Syndrome from a Ring-Enhancing Lesion. Seminars in Ophthalmology, 2012, 27, 65-68.	1.6	2
81	Progressive Outer Retinal Necrosis Presenting as Cherry Red Spot. Ocular Immunology and Inflammation, 2012, 20, 384-386.	1.8	2
82	Choroidal Osteomas. JAMA Ophthalmology, 2013, 131, 124.	2.5	2
83	The Management of Retinal Detachment: Techniques and Perspectives. Journal of Ophthalmology, 2017, 2017, 1-2.	1.3	2
84	Statistical Issues on Evaluating Association Between the Cilioretinal Artery and Age-Related Macular Degenerationâ€"Reply. JAMA Ophthalmology, 2019, 137, 856.	2.5	2
85	The Management of Retinal Detachment: Techniques and Perspectives 2018. Journal of Ophthalmology, 2019, 2019, 1-2.	1.3	2
86	Intraoperative Retinal Changes May Predict Surgical Outcomes After Epiretinal Membrane Peeling. Translational Vision Science and Technology, 2021, 10, 36.	2.2	2
87	Authorsâ€™ response: surgical outcomes after epiretinal membrane peeling combined with cataract surgery. British Journal of Ophthalmology, 2013, 97, 1609.2-1609.	3.9	1
88	Reply. American Journal of Ophthalmology, 2018, 189, 178.	3.3	1
89	Branch Retinal Artery Ischemia. Retina, 2018, 38, e61-e62.	1.7	1
90	Man in His 90s With a History of Tachycardia and Abnormal Findings on Slitlamp Examination of the Cornea. JAMA Cardiology, 2020, 5, 102.	6.1	1

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91	Anti-Retinal Antibodies in Vitamin A Deficiency. Ophthalmic Surgery Lasers and Imaging Retina, 2020, 51, 723-726.	0.7	1
92	Clinical presentation, treatment, and genetic and histopathological analysis of juvenile cataracts and secondary glaucoma in a rhesus macaque (Macaca mulatta). Journal of Medical Primatology, 2022, 51, 119-123.	0.6	1
93	Retinal dystrophies: A look beyond the eyes. American Journal of Ophthalmology Case Reports, 2022, 27, 101613.	0.7	1
94	A TNF Receptor Family Member, TROY, Is a Coreceptor with Nogo Receptor in Mediating the Inhibitory Activity of Myelin Inhibitors. Neuron, 2005, 45, 815.	8.1	0
95	Epigenetic Mechanisms of Retinal Disease. , 2013, , 642-651.		0
96	Conjunctival Melanoma. JAMA Ophthalmology, 2014, 132, 1432.	2.5	0
97	MIRRORED-PRISM SPECTACLES FOR FACEDOWN POSTURING AFTER VITREORETINAL SURGERY WITH GAS TAMPONADE. Retina, 2016, 36, 846-848.	1.7	0
98	Choriovitreal Neovascularization After Resolution of Infectious Chorioretinitis. Retina, 2019, 39, e21-e22.	1.7	0
99	CONVERSION AND SPONTANEOUS REVERSION OF LAMELLAR HOLE FROM FULL-THICKNESS MACULAR HOLE. Retinal Cases and Brief Reports, 2022, 16, 165-167.	0.6	0
100	3-Dimensional Visualization of Arteriovenous Crossing in a Branch Retinal Vein Occlusion. Ophthalmology, 2021, 128, 363.	5.2	0
101	Retinal Laser Injury. , 2020, , 210-212.		0