

# Yin Shen

## List of Publications by Citations

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

816  
citations

13  
h-index

27  
g-index

64  
ext. papers

1,146  
ext. citations

4.5  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
60	A transient receptor potential-like channel mediates synaptic transmission in rod bipolar cells. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 6088-93	6.6	169
59	A role for nyctalopin, a small leucine-rich repeat protein, in localizing the TRP melastatin 1 channel to retinal depolarizing bipolar cell dendrites. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 10060-6	6.6	66
58	Deep Learning-Based Automated Classification of Multi-Categorical Abnormalities From Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 41	3.3	64
57	G-protein-mediated inhibition of the Trp channel TRPM1 requires the Gβ1 dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8752-7	11.5	59
56	Ocular Blood Flow Autoregulation Mechanisms and Methods. <i>Journal of Ophthalmology</i> , <b>2015</b> , 2015, 864871	2	49
55	Applications of Artificial Intelligence in Ophthalmology: General Overview. <i>Journal of Ophthalmology</i> , <b>2018</b> , 2018, 5278196	2	49
54	N -methyl- N -nitrosourea-induced retinal degeneration in mice. <i>Experimental Eye Research</i> , <b>2014</b> , 121, 102-13	3.7	47
53	Depolarizing bipolar cell dysfunction due to a Trpm1 point mutation. <i>Journal of Neurophysiology</i> , <b>2012</b> , 108, 2442-51	3.2	40
52	Application of machine learning in ophthalmic imaging modalities. <i>Eye and Vision (London, England)</i> , <b>2020</b> , 7, 22	4.9	24
51	Altered functional connectivity of primary visual cortex in late blindness. <i>Neuropsychiatric Disease and Treatment</i> , <b>2018</b> , 14, 3317-3327	3.1	19
50	Deep-learning models for the detection and incidence prediction of chronic kidney disease and type 2 diabetes from retinal fundus images. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 533-545	19	16
49	Application of targeted panel sequencing and whole exome sequencing for 76 Chinese families with retinitis pigmentosa. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2020</b> , 8, e1131	2.3	15
48	Neuroprotective effect of cannabinoid receptor 1 antagonist in the MNU-induced retinal degeneration model. <i>Experimental Eye Research</i> , <b>2018</b> , 167, 145-151	3.7	13
47	Expression of NMDA receptor subunit 1 in the rat retina. <i>Acta Histochemica</i> , <b>2013</b> , 115, 42-7	2	12
46	Structural and functional characterization of the bestrophin-2 anion channel. <i>Nature Structural and Molecular Biology</i> , <b>2020</b> , 27, 382-391	17.6	11
45	Inhibition of oxygen-induced ischemic retinal neovascularization with adenoviral 15-lipoxygenase-1 gene transfer via up-regulation of PPAR- $\alpha$ and down-regulation of VEGFR-2 expression. <i>PLoS ONE</i> , <b>2014</b> , 9, e85824	3.7	11
44	Generation of self-organized sensory ganglion organoids and retinal ganglion cells from fibroblasts. <i>Science Advances</i> , <b>2020</b> , 6, eaaz5858	14.3	10

43	Clinical characteristics and surgical outcomes of acute acquired Comitant Esotropia. <i>BMC Ophthalmology</i> , <b>2019</b> , 19, 173	2.3	10
42	Disrupted topological organization of human brain connectome in diabetic retinopathy patients. <i>Neuropsychiatric Disease and Treatment</i> , <b>2019</b> , 15, 2487-2502	3.1	9
41	Factors associated with acute cardiac injury and their effects on mortality in patients with COVID-19. <i>Scientific Reports</i> , <b>2020</b> , 10, 20452	4.9	9
40	Automated identification of retinopathy of prematurity by image-based deep learning. <i>Eye and Vision (London, England)</i> , <b>2020</b> , 7, 40	4.9	9
39	Altered intra- and inter-regional functional connectivity of the visual cortex in individuals with peripheral vision loss due to retinitis pigmentosa. <i>Vision Research</i> , <b>2019</b> , 159, 68-75	2.1	8
38	Rod bipolar cells dysfunction occurs before ganglion cells loss in excitotoxin-damaged mouse retina. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 905	9.8	8
37	The neuroprotective effects of novel estrogen receptor GPER1 in mouse retinal ganglion cell degeneration. <i>Experimental Eye Research</i> , <b>2019</b> , 189, 107826	3.7	7
36	Altered Intrinsic Brain Activities in Patients with Diabetic Retinopathy Using Amplitude of Low-frequency Fluctuation: A Resting-state fMRI Study. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2020</b> , 13, 2833-2842	3.4	7
35	Derivation and validation of a prognostic model for predicting in-hospital mortality in patients admitted with COVID-19 in Wuhan, China: the PLANS (platelet lymphocyte age neutrophil sex) model. <i>BMC Infectious Diseases</i> , <b>2020</b> , 20, 959	4	7
34	Abnormal intrinsic brain activity in individuals with peripheral vision loss because of retinitis pigmentosa using amplitude of low-frequency fluctuations. <i>NeuroReport</i> , <b>2018</b> , 29, 1323-1332	1.7	7
33	COVID-2019 Associated with Acquired Monocular Blindness. <i>Current Eye Research</i> , <b>2021</b> , 46, 1247-1250	2.9	6
32	Eye damage due to cosmetic ultrasound treatment: a case report. <i>BMC Ophthalmology</i> , <b>2018</b> , 18, 214	2.3	6
31	A cell-permeable peptide inhibitor of p55PIK signaling alleviates ocular inflammation in mouse models of uveitis. <i>Experimental Eye Research</i> , <b>2020</b> , 199, 108180	3.7	4
30	Altered Functional Connectivity of the Primary Visual Cortex in Patients With Iridocyclitis and Assessment of Its Predictive Value Using Machine Learning. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 660554	8.4	4
29	A Novel CNGA1 Gene Mutation (c.G622A) of Autosomal Recessive Retinitis Pigmentosa Leads to the CNGA1 Protein Reduction on Membrane. <i>Biochemical Genetics</i> , <b>2019</b> , 57, 540-554	2.4	3
28	Large-Scale Neuronal Network Dysfunction in Diabetic Retinopathy. <i>Neural Plasticity</i> , <b>2020</b> , 2020, 6872508	9.8	3
27	Targeted next-generation sequencing as a comprehensive test for Mendelian diseases: a cohort diagnostic study. <i>Scientific Reports</i> , <b>2018</b> , 8, 11646	4.9	3
26	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Reveals Resting Cerebral Blood Flow Alterations Specific to Retinitis Pigmentosa Patients. <i>Current Eye Research</i> , <b>2019</b> , 44, 1353-1359	2.9	3

25	Impact of Hypertension on Progression and Prognosis in Patients with COVID-19 A Retrospective Cohort Study in 1031 Hospitalized Cases in Wuhan, China		3
24	Application of targeted exome and whole-exome sequencing for Chinese families with Stargardt disease. <i>Annals of Human Genetics</i> , <b>2020</b> , 84, 177-184	2.2	3
23	Assessment of cerebral low-frequency oscillations in patients with retinal vein occlusion: a preliminary functional MRI study. <i>Acta Radiologica</i> , <b>2020</b> , 61, 813-820	2	3
22	Altered Functional Connectivity Strength of Primary Visual Cortex in Subjects with Diabetic Retinopathy. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2021</b> , 14, 3209-3219	3.4	3
21	Abnormal intrinsic functional network hubs and connectivity following peripheral visual loss because of inherited retinal degeneration. <i>NeuroReport</i> , <b>2019</b> , 30, 295-304	1.7	2
20	GABAergic retinal ganglion cells regulate innate defensive responses. <i>NeuroReport</i> , <b>2021</b> , 32, 643-649	1.7	2
19	Distinct expression requirements and rescue strategies for loss- and gain-of-function mutations. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
18	Immunohistochemical profile of long-standing traumatic retinal detachment in atrophic globe in a young patient. <i>Experimental and Therapeutic Medicine</i> , <b>2018</b> , 16, 2387-2391	2.1	2
17	Whole exome sequencing of a family revealed a novel variant in the CHM gene, c.22delG p.(Glu8Serfs*4), which co-segregated with choroideremia. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	1
16	Altered Temporal Dynamic Intrinsic Brain Activity in Late Blindness. <i>BioMed Research International</i> , <b>2020</b> , 2020, 1913805	3	1
15	Elavl2 Regulates Retinal Function Via Modulating the Differentiation of Amacrine Cells Subtype <b>2021</b> , 62, 1		1
14	CM082, a novel VEGF receptor tyrosine kinase inhibitor, can inhibit angiogenesis in vitro and in vivo. <i>Microvascular Research</i> , <b>2021</b> , 136, 104146	3.7	1
13	COVID-2019 Associated with Acquired Monocular Blindness: Could Be Central Artery Occlusion or Viral Uveitis ?. <i>Current Eye Research</i> , <b>2021</b> , 1-2	2.9	1
12	Altered resting cerebral blood flow specific to patients with diabetic retinopathy revealed by arterial spin labeling perfusion magnetic resonance imaging. <i>Acta Radiologica</i> , <b>2021</b> , 62, 524-532	2	1
11	Disrupted Neural Activity in Individuals With Iridocyclitis Using Regional Homogeneity: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 609929	4.1	1
10	Dynamic Changes of Amplitude of Low-Frequency Fluctuations in Patients With Diabetic Retinopathy. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 611702	4.1	1
9	Associations Between Fundus Types and Clinical Manifestations in Patients with RDH12 Gene Mutations.. <i>Brain Topography</i> , <b>2022</b> , 1	4.3	0
8	Abnormal intrinsic functional network hubs in diabetic retinopathy patients. <i>NeuroReport</i> , <b>2021</b> , 32, 498-506		0

7	Assessment of spontaneous brain activity patterns in patients with iridocyclitis: a resting-state study. <i>NeuroReport</i> , <b>2021</b> , 32, 612-620	1.7	o
6	Impaired interhemispheric synchrony in late blindness. <i>Acta Radiologica</i> , <b>2020</b> , 61, 414-423	2	o
5	Overexpression of BMP4 protects retinal ganglion cells in a mouse model of experimental glaucoma. <i>Experimental Eye Research</i> , <b>2021</b> , 210, 108728	3.7	o
4	Acquired Monocular Blindness Associated with Retinitis and Optic Neuritis in COVID-19. <i>Current Eye Research</i> , <b>2021</b> , 1-2	2.9	
3	Sox2 knockdown in the neonatal retina causes cell fate to switch from amacrine to bipolar. <i>Brain Research</i> , <b>2021</b> , 1752, 147265	3.7	
2	Visual function restoration with a highly sensitive and fast Channelrhodopsin in blind mice.. <i>Signal Transduction and Targeted Therapy</i> , <b>2022</b> , 7, 104	2.1	
1	Numb deficiency impairs retinal structure and visual function in mice.. <i>Experimental Eye Research</i> , <b>2022</b> , 109066	3.7	