

Yin Shen

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,469
citations

471061

17
h-index

360668

35
g-index

64
all docs

64
docs citations

64
times ranked

1813
citing authors

#	ARTICLE	IF	CITATIONS
1	A Transient Receptor Potential-Like Channel Mediates Synaptic Transmission in Rod Bipolar Cells. <i>Journal of Neuroscience</i> , 2009, 29, 6088-6093.	1.7	192
2	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> , 2021, 5, 533-545.	11.6	121
3	Deep Learning-Based Automated Classification of Multi-Categorical Abnormalities From Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , 2018, 7, 41.	1.1	105
4	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> , 2011, 31, 10060-10066.	1.7	92
5	Applications of Artificial Intelligence in Ophthalmology: General Overview. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-15.	0.6	85
6	G-protein-mediated inhibition of the Trp channel TRPM1 requires the $G\beta\gamma$ dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8752-8757.	3.3	82
7	Ocular Blood Flow Autoregulation Mechanisms and Methods. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-7.	0.6	78
8	Application of machine learning in ophthalmic imaging modalities. <i>Eye and Vision (London, England)</i> , 2020, 7, 22.	1.4	65
9	N -methyl- N -nitrosourea-induced retinal degeneration in mice. <i>Experimental Eye Research</i> , 2014, 121, 102-113.	1.2	59
10	Depolarizing bipolar cell dysfunction due to a Trpm1 point mutation. <i>Journal of Neurophysiology</i> , 2012, 108, 2442-2451.	0.9	42
11	Automated identification of retinopathy of prematurity by image-based deep learning. <i>Eye and Vision (London, England)</i> , 2020, 7, 40.	1.4	40
12	Generation of self-organized sensory ganglion organoids and retinal ganglion cells from fibroblasts. <i>Science Advances</i> , 2020, 6, eaaz5858.	4.7	33
13	Clinical characteristics and surgical outcomes of acute acquired Comitant Esotropia. <i>BMC Ophthalmology</i> , 2019, 19, 173.	0.6	30
14	Altered functional connectivity of primary visual cortex in late blindness. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 3317-3327.	1.0	28
15	Application of targeted panel sequencing and whole exome sequencing for 76 Chinese families with retinitis pigmentosa. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1131.	0.6	27
16	Structural and functional characterization of the bestrophin-2 anion channel. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 382-391.	3.6	25
17	Neuroprotective effect of cannabinoid receptor 1 antagonist in the MNU-induced retinal degeneration model. <i>Experimental Eye Research</i> , 2018, 167, 145-151.	1.2	19
18	Rod bipolar cells dysfunction occurs before ganglion cells loss in excitotoxin-damaged mouse retina. <i>Cell Death and Disease</i> , 2019, 10, 905.	2.7	18

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19	Targeted next-generation sequencing as a comprehensive test for Mendelian diseases: a cohort diagnostic study. <i>Scientific Reports</i> , 2018, 8, 11646.	1.6	17
20	The neuroprotective effects of novel estrogen receptor GPER1 in mouse retinal ganglion cell degeneration. <i>Experimental Eye Research</i> , 2019, 189, 107826.	1.2	17
21	Factors associated with acute cardiac injury and their effects on mortality in patients with COVID-19. <i>Scientific Reports</i> , 2020, 10, 20452.	1.6	16
22	COVID-2019 Associated with Acquired Monocular Blindness. <i>Current Eye Research</i> , 2021, 46, 1247-1250.	0.7	16
23	Expression of NMDA receptor subunit 1 in the rat retina. <i>Acta Histochemica</i> , 2013, 115, 42-47.	0.9	15
24	<p>Disrupted topological organization of human brain connectome in diabetic retinopathy patients</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 2487-2502.	1.0	15
25	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> , 2019, 159, 68-75.	0.7	14
26	<p>Altered Intrinsic Brain Activities in Patients with Diabetic Retinopathy Using Amplitude of Low-frequency Fluctuation: A Resting-state fMRI Study</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 2833-2842.	1.1	14
27	Large-Scale Neuronal Network Dysfunction in Diabetic Retinopathy. <i>Neural Plasticity</i> , 2020, 2020, 1-13.	1.0	14
28	Inhibition of Oxygen-Induced Ischemic Retinal Neovascularization with Adenoviral 15-Lipoxygenase-1 Gene Transfer via Up-Regulation of PPAR- β and Down-Regulation of VEGFR-2 Expression. <i>PLoS ONE</i> , 2014, 9, e85824.	1.1	14
29	Abnormal intrinsic brain activity in individuals with peripheral vision loss because of retinitis pigmentosa using amplitude of low-frequency fluctuations. <i>NeuroReport</i> , 2018, 29, 1323-1332.	0.6	13
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> , 2021, 12, 660554.	2.2	12
31	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> , 2020, 20, 959.	1.3	11
32	Distinct expression requirements and rescue strategies for BEST1 loss- and gain-of-function mutations. <i>ELife</i> , 2021, 10, .	2.8	11
33	Dynamic Changes of Amplitude of Low-Frequency Fluctuations in Patients With Diabetic Retinopathy. <i>Frontiers in Neurology</i> , 2021, 12, 611702.	1.1	10
34	Altered Functional Connectivity Strength of Primary Visual Cortex in Subjects with Diabetic Retinopathy. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3209-3219.	1.1	10
35	Visual function restoration with a highly sensitive and fast Channelrhodopsin in blind mice. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 104.	7.1	10
36	Eye damage due to cosmetic ultrasound treatment: a case report. <i>BMC Ophthalmology</i> , 2018, 18, 214.	0.6	9

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37	GABAergic retinal ganglion cells regulate innate defensive responses. <i>NeuroReport</i> , 2021, 32, 643-649.	0.6	8
38	Abnormal intrinsic functional network hubs and connectivity following peripheral visual loss because of inherited retinal degeneration. <i>NeuroReport</i> , 2019, 30, 295-304.	0.6	7
39	Elavl2 Regulates Retinal Function Via Modulating the Differentiation of Amacrine Cells Subtype. , 2021, 62, 1.		7
40	Overexpression of BMP4 protects retinal ganglion cells in a mouse model of experimental glaucoma. <i>Experimental Eye Research</i> , 2021, 210, 108728.	1.2	7
41	A cell-permeable peptide inhibitor of p55PIK signaling alleviates ocular inflammation in mouse models of uveitis. <i>Experimental Eye Research</i> , 2020, 199, 108180.	1.2	6
42	A Novel CNGA1 Gene Mutation (c.G622A) of Autosomal Recessive Retinitis Pigmentosa Leads to the CNGA1 Protein Reduction on Membrane. <i>Biochemical Genetics</i> , 2019, 57, 540-554.	0.8	5
43	Altered Temporal Dynamic Intrinsic Brain Activity in Late Blindness. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	5
44	Disrupted Neural Activity in Individuals With Iridocyclitis Using Regional Homogeneity: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Frontiers in Neurology</i> , 2021, 12, 609929.	1.1	5
45	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Reveals Resting Cerebral Blood Flow Alterations Specific to Retinitis Pigmentosa Patients. <i>Current Eye Research</i> , 2019, 44, 1353-1359.	0.7	4
46	Assessment of cerebral low-frequency oscillations in patients with retinal vein occlusion: a preliminary functional MRI study. <i>Acta Radiologica</i> , 2020, 61, 813-820.	0.5	4
47	Application of targeted exome and whole-exome sequencing for Chinese families with Stargardt disease. <i>Annals of Human Genetics</i> , 2020, 84, 177-184.	0.3	4
48	Abnormal intrinsic functional network hubs in diabetic retinopathy patients. <i>NeuroReport</i> , 2021, 32, 498-506.	0.6	4
49	Impaired interhemispheric synchrony in late blindness. <i>Acta Radiologica</i> , 2020, 61, 414-423.	0.5	3
50	CM082, a novel VEGF receptor tyrosine kinase inhibitor, can inhibit angiogenesis in vitro and in vivo. <i>Microvascular Research</i> , 2021, 136, 104146.	1.1	3
51	Associations Between Fundus Types and Clinical Manifestations in Patients with RDH12 Gene Mutations. <i>Brain Topography</i> , 2022, 35, 525-535.	0.8	3
52	Immunohistochemical profile of long-standing traumatic retinal detachment in atrophic globe in a young patient. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 2387-2391.	0.8	2
53	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> , 2020, 40, .	1.1	2
54	Numb deficiency impairs retinal structure and visual function in mice. <i>Experimental Eye Research</i> , 2022, 219, 109066.	1.2	2

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55	Altered resting cerebral blood flow specific to patients with diabetic retinopathy revealed by arterial spin labeling perfusion magnetic resonance imaging. <i>Acta Radiologica</i> , 2021, 62, 524-532.	0.5	1
56	Sox2 knockdown in the neonatal retina causes cell fate to switch from amacrine to bipolar. <i>Brain Research</i> , 2021, 1752, 147265.	1.1	1
57	Assessment of spontaneous brain activity patterns in patients with iridocyclitis: a resting-state study. <i>NeuroReport</i> , 2021, 32, 612-620.	0.6	1
58	COVID-2019 Associated with Acquired Monocular Blindness: Could Be Central Artery Occlusion or Viral Uveitis ?. <i>Current Eye Research</i> , 2021, , 1-2.	0.7	1
59	Acquired Monocular Blindness Associated with Retinitis and Optic Neuritis in COVID-19. <i>Current Eye Research</i> , 2021, , 1-2.	0.7	0
60	Mapping Regional Homogeneity and Functional Connectivity of the Visual Cortex in Resting-State fMRI. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0