

Müller cells in the healthy and diseased retina

Progress in Retinal and Eye Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ischemia-reperfusion alters the immunolocalization of glial aquaporins in rat retina. <i>Neuroscience Letters</i> , 2006, 408, 108-112.	1.0	53
2	Regeneration of Inner Retinal Neurons after Intravitreal Injection of Ouabain in Zebrafish. <i>Journal of Neuroscience</i> , 2007, 27, 1712-1724.	1.7	283
3	Comparison between the Gene Expression Profile of Human Müller Cells and Two Spontaneous Müller Cell Lines. , 2007, 48, 5229.		11
4	Porcine Müller Glial Cells Increase Expression of BKCaChannels in Retinal Detachment. <i>Current Eye Research</i> , 2007, 32, 143-151.	0.7	9
5	Neuron-Glial Communication at Synapses: Insights From Vertebrates and Invertebrates. <i>Neuroscientist</i> , 2007, 13, 657-666.	2.6	21
6	Clinical Light Exposure, Photoreceptor Degeneration, and AP-1 Activation: A Cell Death or Cell Survival Signal in the Rhodopsin Mutant Retina?. , 2007, 48, 4907.		26
7	Flupirtine attenuates sodium nitroprusside-induced damage to retinal photoreceptors, in situ. <i>Brain Research Bulletin</i> , 2007, 73, 278-288.	1.4	15
8	Retinal Mueller Glial Cells Trigger the Hallmark Inflammatory Process in Autoimmune Uveitis. <i>Journal of Proteome Research</i> , 2007, 6, 2121-2131.	1.8	54
9	Muller cells are living optical fibers in the vertebrate retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8287-8292.	3.3	356
10	Embryonic stem cells and retinal repair. <i>Mechanisms of Development</i> , 2007, 124, 807-829.	1.7	71
11	Late-Stage Neuronal Progenitors in the Retina Are Radial Muller Glia That Function as Retinal Stem Cells. <i>Journal of Neuroscience</i> , 2007, 27, 7028-7040.	1.7	580
12	Blindness Caused by Deficiency in AE3 Chloride/Bicarbonate Exchanger. <i>PLoS ONE</i> , 2007, 2, e839.	1.1	39
13	Association between Multifocal ERG Implicit Time Delays and Adaptation in Patients with Diabetes. , 2007, 48, 5250.		18
14	Crb1 is a determinant of retinal apical Müller glia cell features. <i>Glia</i> , 2007, 55, 1486-1497.	2.5	62
15	Transgenic mice for conditional gene manipulation in astroglial cells. <i>Glia</i> , 2007, 55, 1565-1576.	2.5	137
16	Neuronal and glial cell changes are determined by retinal vascularization in retinopathy of prematurity. <i>Journal of Comparative Neurology</i> , 2007, 504, 404-417.	0.9	57
17	Glia: the fulcrum of brain diseases. <i>Cell Death and Differentiation</i> , 2007, 14, 1324-1335.	5.0	234
18	Epigallocatechin gallate, an active ingredient from green tea, attenuates damaging influences to the retina caused by ischemia/reperfusion. <i>Brain Research</i> , 2007, 1159, 40-53.	1.1	90

#	ARTICLE	IF	CITATIONS
19	GABA uptake by purified avian Müller glia cells in culture. <i>Neurotoxicity Research</i> , 2007, 12, 145-153.	1.3	13
21	Functional study in NSE-Hu-Bcl-2 transgenic mice: a model for retinal diseases starting in Müller cells. <i>Documenta Ophthalmologica</i> , 2007, 115, 203-209.	1.0	2
22	Müller cells as players in retinal degeneration and edema. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 627-636.	1.0	232
23	Müller Glia as an Active Compartment Modulating Nervous Activity in the Vertebrate Retina: Neurotransmitters and Trophic Factors. <i>Neurochemical Research</i> , 2008, 33, 1466-1474.	1.6	66
24	K ⁺ currents fail to change in reactive retinal glial cells in a mouse model of glaucoma. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2008, 246, 1249-1254.	1.0	29
25	Sox9 is expressed in mouse multipotent retinal progenitor cells and functions in Müller Glial cell development. <i>Journal of Comparative Neurology</i> , 2008, 510, 237-250.	0.9	145
26	Complex rectification of Müller cell Kir currents. <i>Glia</i> , 2008, 56, 775-790.	2.5	27
27	Cross-species Comparison of Metabolite Profiles in Chemosensory Epithelia: An Indication of Metabolite Roles in Chemosensory Cells. <i>Anatomical Record</i> , 2008, 291, 410-432.	0.8	4
28	Osmotic swelling characteristics of glial cells in the murine hippocampus, cerebellum, and retina in situ. <i>Journal of Neurochemistry</i> , 2008, 105, 1405-1417.	2.1	48
29	A review of the role of glial cells in understanding retinal disease. <i>Australasian journal of optometry, The</i> , 2008, 91, 67-77.	0.6	36
30	Müller glia factors induce survival and neuritogenesis of peripheral and central neurons. <i>Brain Research</i> , 2008, 1205, 1-11.	1.1	35
31	Progenitor cell-derived factors enhance photoreceptor survival in rat retinal explants. <i>Brain Research</i> , 2008, 1227, 226-233.	1.1	15
32	Nucleotides in ocular secretions: Their role in ocular physiology. , 2008, 119, 55-73.		39
33	Müller cell gliosis in retinal organ culture mimics gliotic alterations after ischemia <i>in vivo</i> . <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 745-751.	0.7	21
34	Expression of functional dopaminergic phenotype in purified cultured Müller cells from vertebrate retina. <i>Neurochemistry International</i> , 2008, 53, 63-70.	1.9	30
35	d-Serine/N-methyl-d-aspartate receptor signaling decreases DNA-binding activity of the transcriptional repressor DREAM in Müller glia from the retina. <i>Neuroscience Letters</i> , 2008, 432, 121-126.	1.0	11
36	Localization of glial aquaporin-4 and Kir4.1 in the light-injured murine retina. <i>Neuroscience Letters</i> , 2008, 434, 317-321.	1.0	32
37	Proliferative gliosis causes mislocation and inactivation of inwardly rectifying K ⁺ (Kir) channels in rabbit retinal glial cells. <i>Experimental Eye Research</i> , 2008, 86, 305-313.	1.2	25

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38	Purinergic receptor activation inhibits osmotic glial cell swelling in the diabetic rat retina. <i>Experimental Eye Research</i> , 2008, 87, 385-393.	1.2	43
39	Murine M μ ller cells are progenitor cells for neuronal cells and fibrous tissue cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 187-191.	1.0	13
40	M μ ller Cell Response to Blue Light Injury of the Rat Retina. , 2008, 49, 3559.		72
41	Long-term cellular and regional specificity of the photoreceptor toxin, iodoacetic acid (IAA), in the rabbit retina. <i>Visual Neuroscience</i> , 2008, 25, 167-177.	0.5	25
42	Interleukin-1 Stimulates Glutamate Uptake in Glial Cells by Accelerating Membrane Trafficking of Na ⁺ /K ⁺ -ATPase via Actin Depolymerization. <i>Molecular and Cellular Biology</i> , 2008, 28, 3273-3280.	1.1	39
43	Leukemia Inhibitory Factor Extends the Lifespan of Injured Photoreceptors <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2008, 28, 13765-13774.	1.7	122
44	Early Activation of Inflammation- and Immune Response-Related Genes after Experimental Detachment of the Porcine Retina. , 2008, 49, 1262.		56
45	Haem oxygenase-1 gene transfer protects retinal ganglion cells from ischaemia/reperfusion injury. <i>Clinical Science</i> , 2008, 115, 335-342.	1.8	16
46	Expression of CXCL8, CXCR1, and CXCR2 in Neurons and Glial Cells of the Human and Rabbit Retina. , 2008, 49, 4578.		53
47	Sialoadhesin Expression in Intact Degenerating Retinas and Following Transplantation. , 2008, 49, 5602.		13
48	Steroids Do Not Prevent Photoreceptor Degeneration in the Light-Exposed T4R Rhodopsin Mutant Dog Retina Irrespective of AP-1 Inhibition. , 2009, 50, 3482.		16
49	Retinal Gene Expression and M μ ller Cell Responses after Branch Retinal Vein Occlusion in the Rat. , 2009, 50, 2359.		90
50	Vasoregression Linked to Neuronal Damage in the Rat with Defect of Polycystin-2. <i>PLoS ONE</i> , 2009, 4, e7328.	1.1	54
51	Disease Boundaries in the Retina of Patients with Usher Syndrome Caused by <i>MYO7A</i> Gene Mutations. , 2009, 50, 1886.		83
52	EPO reduces reactive gliosis and stimulates neurotrophin expression in Muller cells. <i>Frontiers in Bioscience - Elite</i> , 2009, E3, 1541.	0.9	0
53	A role for aquaporin-4 in fluid regulation in the inner retina. <i>Visual Neuroscience</i> , 2009, 26, 159-165.	0.5	66
54	M μ ller Cells. , 2009, , 1083-1093.		2
55	Bicarbonate homeostasis in excitable tissues: role of AE3 Cl ⁻ /HCO ₃ ⁻ exchanger and carbonic anhydrase XIV interaction. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, 1091-1102.	2.1	40

#	ARTICLE	IF	CITATIONS
56	Excitotoxic Death of Retinal Neurons <i>In Vivo</i> Occurs via a Non-Cell-Autonomous Mechanism. <i>Journal of Neuroscience</i> , 2009, 29, 5536-5545.	1.7	167
57	Expression of Prostaglandin PGE ₂ Receptors under Conditions of Aging and Stress and the Protective Effect of the EP ₂ Agonist Butaprost on Retinal Ischemia. , 2009, 50, 3238.		15
58	<i>Rbp1</i> Promoter Drives Robust Müller Glial GFP Expression in Transgenic Mice. , 2009, 50, 3996.		45
59	Development and neurogenic potential of Müller glial cells in the vertebrate retina. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 249-262.	7.3	199
60	Cellular signaling and factors involved in Müller cell gliosis: Neuroprotective and detrimental effects. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 423-451.	7.3	607
61	Adaptive changes of inner retina function in response to sustained pattern stimulation. <i>Vision Research</i> , 2009, 49, 505-513.	0.7	17
62	Expression of Cre recombinase in retinal Müller cells. <i>Vision Research</i> , 2009, 49, 615-621.	0.7	33
63	Astrocytes as gate-keepers in optic nerve regeneration – A mini-review. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 135-138.	0.8	32
64	Expression and function of P ₂ Y receptors on Müller cells of the postnatal rat retina. <i>Glia</i> , 2009, 57, 1680-1690.	2.5	40
65	Retinal neurogenesis and ontogenetic changes in the visual system of the brown banded bamboo shark, <i>Chiloscyllium punctatum</i> (hemiscyllidae, elasmobranchii). <i>Journal of Comparative Neurology</i> , 2009, 513, 83-97.	0.9	35
66	Retinal vascular changes after glial disruption in rats. <i>Journal of Neuroscience Research</i> , 2010, 88, 1485-1499.	1.3	52
67	Involvement of Müller glial cells in epiretinal membrane formation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 865-883.	1.0	160
68	Near-infrared reflectance imaging of neovascular age-related macular degeneration. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 1625-1633.	1.0	35
69	Fibronectin and Focal Adhesion Kinase Small Interfering RNA Modulate Rat Retinal Müller Cells Adhesion and Migration. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 549-556.	1.7	5
70	Characterization of Calcium-Mediated Intracellular and Intercellular Signaling in the rMC-1 Glial Cell Line. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 144-155.	1.0	12
71	Differential expression of two glutamate transporters, GLAST and GLT-1, in an experimental rat model of glaucoma. <i>Experimental Brain Research</i> , 2009, 197, 101-109.	0.7	25
72	Roles of glial cells in synapse development. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2037-2047.	2.4	69
73	Light stimulation evokes two different calcium responses in Müller glial cells of the guinea pig retina. <i>European Journal of Neuroscience</i> , 2009, 29, 1165-1176.	1.2	34

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74	Glutamate and nitric oxide modulate ERK and CREB phosphorylation in the avian retina: evidence for direct signaling from neurons to Müller glial cells. <i>Journal of Neurochemistry</i> , 2009, 108, 417-429.	2.1	29
75	NCAM and polysialyltransferase profiles match dopaminergic marker gene expression but polysialic acid is dispensable for development of the midbrain dopamine system. <i>Journal of Neurochemistry</i> , 2009, 110, 1661-1673.	2.1	29
76	Retinal ganglion cell death and optic nerve degeneration by genetic ablation in adult mice. <i>Experimental Eye Research</i> , 2009, 88, 542-552.	1.2	15
77	High-salt loading exacerbates increased retinal content of aquaporins AQP1 and AQP4 in rats with diabetic retinopathy. <i>Experimental Eye Research</i> , 2009, 89, 741-747.	1.2	28
78	Optic nerve lesion increases cell proliferation and nestin expression in the adult mouse eye in vivo. <i>Experimental Neurology</i> , 2009, 219, 175-186.	2.0	34
79	Neuroprotective effect of transcorneal electrical stimulation on light-induced photoreceptor degeneration. <i>Experimental Neurology</i> , 2009, 219, 439-452.	2.0	98
80	Choroideremia: New Findings from Ocular Pathology and Review of Recent Literature. <i>Survey of Ophthalmology</i> , 2009, 54, 401-407.	1.7	101
81	Purinergic signaling in special senses. <i>Trends in Neurosciences</i> , 2009, 32, 128-141.	4.2	174
82	Subsets of retinal neurons and glia express P2Y1 receptors. <i>Neuroscience</i> , 2009, 160, 555-566.	1.1	23
83	Neuronal and glial cell expression of angiotensin II type 1 (AT1) and type 2 (AT2) receptors in the rat retina. <i>Neuroscience</i> , 2009, 161, 195-213.	1.1	56
84	Inhibition of p75NTR in glia potentiates TrkA-mediated survival of injured retinal ganglion cells. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 410-420.	1.0	92
85	Role of retinal glial cells in neurotransmitter uptake and metabolism. <i>Neurochemistry International</i> , 2009, 54, 143-160.	1.9	226
86	Calcium responses mediated by type 2 IP3-receptors are required for osmotic volume regulation of retinal glial cells in mice. <i>Neuroscience Letters</i> , 2009, 457, 85-88.	1.0	17
87	Vitreomacular Adhesion in Active and End-Stage Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2009, 148, 79-82.e2.	1.7	141
88	Strategies for retinal repair: cell replacement and regeneration. <i>Progress in Brain Research</i> , 2009, 175, 23-31.	0.9	75
89	ADOLESCENTS WITH TYPE 2 DIABETES. <i>Retina</i> , 2009, 29, 618-626.	1.0	78
90	Dark side of glia: non-cell-autonomous mechanisms of neural death and implications for neurodegenerative diseases. <i>Future Neurology</i> , 2009, 4, 531-534.	0.9	0
91	Pericyte Loss in the Diabetic Retina. <i>Frontiers in Diabetes</i> , 2010, , 61-78.	0.4	3

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92	KR-31378, a Potassium-Channel Opener, Induces the Protection of Retinal Ganglion Cells in Rat Retinal Ischemic Models. <i>Journal of Pharmacological Sciences</i> , 2009, 109, 511-517.	1.1	13
93	Regulatory and Pathogenic Roles of Müller Glial Cells in Retinal Neovascular Processes and Their Potential for Retinal Regeneration. <i>Frontiers in Diabetes</i> , 2009, , 98-108.	0.4	3
94	In vitro organotypic cultivation of adult newt and rat retinas. <i>Biology Bulletin</i> , 2010, 37, 327-338.	0.1	3
95	The biophysics of neuronal growth. <i>Reports on Progress in Physics</i> , 2010, 73, 094601.	8.1	131
96	Hyperglycaemia-induced pro-inflammatory responses by retinal Müller glia are regulated by the receptor for advanced glycation end-products (RAGE). <i>Diabetologia</i> , 2010, 53, 2656-2666.	2.9	156
97	Astrocytes: biology and pathology. <i>Acta Neuropathologica</i> , 2010, 119, 7-35.	3.9	3,978
98	Amelioration of diabetic retinopathy by engrafted human adipose-derived mesenchymal stem cells in streptozotocin diabetic rats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 1415-1422.	1.0	84
99	Hypoxia-inducible factor and vascular endothelial growth factor in the neuroretina and retinal blood vessels after retinal ischemia. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , 2010, 3, 20-29.	0.2	13
100	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. <i>Documenta Ophthalmologica</i> , 2010, 120, 67-86.	1.0	53
101	The renin-angiotensin system in retinal health and disease: Its influence on neurons, glia and the vasculature. <i>Progress in Retinal and Eye Research</i> , 2010, 29, 284-311.	7.3	123
102	Parallel visual cycles in the zebrafish retina. <i>Progress in Retinal and Eye Research</i> , 2010, 29, 476-486.	7.3	37
103	Genesis of rods in the zebrafish retina occurs in a microenvironment provided by polysialic acid-expressing Müller glia. <i>Journal of Comparative Neurology</i> , 2010, 518, 636-646.	0.9	12
104	A novel type of glial cell in the retina is stimulated by insulin-like growth factor 1 and may exacerbate damage to neurons and Müller glia. <i>Glia</i> , 2010, 58, 633-649.	2.5	62
105	Deletion of aquaporin-4 renders retinal glial cells more susceptible to osmotic stress. <i>Journal of Neuroscience Research</i> , 2010, 88, 2877-2888.	1.3	59
106	Endogenous purinergic signaling is required for osmotic volume regulation of retinal glial cells. <i>Journal of Neurochemistry</i> , 2010, 112, 1261-1272.	2.1	49
107	Photoreceptor rescue and toxicity induced by different calpain inhibitors. <i>Journal of Neurochemistry</i> , 2010, 115, 930-940.	2.1	71
108	Zebrafish Class 1 Phosphatidylinositol Transfer Proteins: PIP ² and Double Cone Cell Outer Segment Integrity in Retina. <i>Traffic</i> , 2010, 11, 1151-1167.	1.3	54
109	Non-Invasive Stem Cell Therapy in a Rat Model for Retinal Degeneration and Vascular Pathology. <i>PLoS ONE</i> , 2010, 5, e9200.	1.1	129

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110	Spectral OCT Analysis in Bietti Crystalline Dystrophy. <i>European Journal of Ophthalmology</i> , 2010, 20, 612-614.	0.7	14
111	Transcorneal electrical stimulation increases chorioretinal blood flow in normal human subjects. <i>Clinical Ophthalmology</i> , 2010, 4, 1441.	0.9	50
112	Differential effects of amyloid-beta peptide aggregation status on in vivo retinal neurotoxicity. <i>Eye and Brain</i> , 2010, 2, 121.	3.8	4
113	A Conditional Immortalized Mouse Müller Glial Cell Line Expressing Glial and Retinal Stem Cell Genes. , 2010, 51, 5991.		31
114	ACS67, a Hydrogen Sulfide-Releasing Derivative of Latanoprost Acid, Attenuates Retinal Ischemia and Oxidative Stress to RGC-5 Cells in Culture. , 2010, 51, 284.		61
115	Meteorin promotes the formation of GFAP-positive glia via activation of the Jak-STAT3 pathway. <i>Journal of Cell Science</i> , 2010, 123, 1959-1968.	1.2	49
116	Retinal Glial (Müller) Cells: Sensing and Responding to Tissue Stretch. , 2010, 51, 1683.		138
117	Quantification of the Effect of Different Levels of IOP in the Astroglia of the Rat Retina Ipsilateral and Contralateral to Experimental Glaucoma. , 2010, 51, 5690.		77
118	Retinal development and function in a "blind" mole. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1513-1522.	1.2	11
119	The ins and outs of cholesterol in the vertebrate retina. <i>Journal of Lipid Research</i> , 2010, 51, 3399-3413.	2.0	123
120	Effects of Acutely Elevated Hydrostatic Pressure in a Rat Ex Vivo Retinal Preparation. , 2010, 51, 6414.		27
121	Effects of Ischemic Preconditioning and Bevacizumab on Apoptosis and Vascular Permeability Following Retinal Ischemia-Reperfusion Injury. , 2010, 51, 5920.		70
122	Withaferin A Targets Intermediate Filaments Glial Fibrillary Acidic Protein and Vimentin in a Model of Retinal Gliosis. <i>Journal of Biological Chemistry</i> , 2010, 285, 7657-7669.	1.6	64
123	Brief Exposure to Damaging Light Causes Focal Recruitment of Macrophages, and Long-Term Destabilization of Photoreceptors in the Albino Rat Retina. <i>Current Eye Research</i> , 2010, 35, 631-643.	0.7	90
124	Molecular Mechanisms of EAST/SeSAME Syndrome Mutations in Kir4.1 (KCNJ10). <i>Journal of Biological Chemistry</i> , 2010, 285, 36040-36048.	1.6	93
125	Altered Expression of Metallothionein-I and -II and Their Receptor Megalin in Inherited Photoreceptor Degeneration. , 2010, 51, 4809.		25
126	Diabetic eNOS-Knockout Mice Develop Accelerated Retinopathy. , 2010, 51, 5240.		101
127	Injury and Repair Responses: Retinal Detachment. , 2010, , 428-438.		2

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129	Notch Signaling Influences Neuroprotective and Proliferative Properties of Mature Müller Glia. <i>Journal of Neuroscience</i> , 2010, 30, 3101-3112.	1.7	101
130	The Genomic, Biochemical, and Cellular Responses of the Retina in Inherited Photoreceptor Degenerations and Prospects for the Treatment of These Disorders. <i>Annual Review of Neuroscience</i> , 2010, 33, 441-472.	5.0	143
131	Tissue Biology of Proliferation and Cell Death Among Retinal Progenitor Cells. , 2010, , 191-230.		0
132	Regenerative medicine for retinal diseases: activating endogenous repair mechanisms. <i>Trends in Molecular Medicine</i> , 2010, 16, 193-202.	3.5	196
133	Alterations in protein expression and membrane properties during Müller cell gliosis in a murine model of transient retinal ischemia. <i>Neuroscience Letters</i> , 2010, 472, 73-78.	1.0	40
134	Signalling of sphingosine-1-phosphate in Müller glial cells via the S1P/EDG-family of G-protein-coupled receptors. <i>Neuroscience Letters</i> , 2010, 480, 101-105.	1.0	9
135	Proliferative retinopathies: Angiogenesis that blinds. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 5-12.	1.2	120
136	Reaction of Müller cells in an experimental rat model of increased intraocular pressure following timolol, latanoprost and brimonidine. <i>Brain Research Bulletin</i> , 2010, 82, 18-24.	1.4	41
137	Pax6a and Pax6b are required at different points in neuronal progenitor cell proliferation during zebrafish photoreceptor regeneration. <i>Experimental Eye Research</i> , 2010, 90, 572-582.	1.2	116
138	Longitudinal in vivo imaging of retinal gliosis in a diabetic mouse model. <i>Experimental Eye Research</i> , 2010, 91, 530-536.	1.2	37
139	TRPV1 receptors are involved in protein nitration and Müller cell reaction in the acutely axotomized rat retina. <i>Experimental Eye Research</i> , 2010, 91, 755-768.	1.2	24
140	Characterization of transgenic mouse lines expressing Cre recombinase in the retina. <i>Neuroscience</i> , 2010, 165, 233-243.	1.1	72
141	Perifoveal Müller Cell Depletion in a Case of Macular Telangiectasia Type 2. <i>Ophthalmology</i> , 2010, 117, 2407-2416.	2.5	234
142	Perspectives of Stem Cells. , 2010, , .		0
143	Viability of the inner retina in a novel mouse model of retinitis pigmentosa. , 2010, 2010, 553-6.		3
144	The neuroretina is a novel mineralocorticoid target: aldosterone up-regulates ion and water channels in Müller glial cells. <i>FASEB Journal</i> , 2010, 24, 3405-3415.	0.2	129
145	Norrin Mediates Neuroprotective Effects on Retinal Ganglion Cells via Activation of the Wnt/ β -Catenin Signaling Pathway and the Induction of Neuroprotective Growth Factors in Müller Cells. <i>Journal of Neuroscience</i> , 2010, 30, 5998-6010.	1.7	120
146	Pharmacological Inhibition of N-Methyl D-Aspartate Receptor Promotes Secretion of Vascular Endothelial Growth Factor in Müller Cells: Effects of Hyperglycemia and Hypoxia. <i>Current Eye Research</i> , 2010, 35, 733-741.	0.7	19

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147	Spatial mapping of the mechanical properties of the living retina using scanning force microscopy. <i>Soft Matter</i> , 2011, 7, 3147.	1.2	90
148	Expression of Aquaporins in the Retina of Diabetic Rats. <i>Current Eye Research</i> , 2011, 36, 850-856.	0.7	37
149	Upregulation of Antibody Response to Heat Shock Proteins and Tissue Antigens in an Ocular Ischemia Model. , 2011, 52, 3468.		19
150	Neurotrophic factor delivery as a protective treatment for glaucoma. <i>Experimental Eye Research</i> , 2011, 93, 196-203.	1.2	97
151	Involvement of oxidative stress and mitochondrial dysfunction in the osmotic swelling of retinal glial cells from diabetic rats. <i>Experimental Eye Research</i> , 2011, 92, 87-93.	1.2	36
152	Neuroprotective effect of transcorneal electrical stimulation on ischemic damage in the rat retina. <i>Experimental Eye Research</i> , 2011, 93, 753-760.	1.2	48
153	Expression and high glucose-mediated regulation of K ⁺ channel interacting protein 3 (KCHIP3) and KV4 channels in retinal M μ ller glial cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 678-683.	1.0	11
154	Release of ATP from avian M μ ller glia cells in culture. <i>Neurochemistry International</i> , 2011, 58, 414-422.	1.9	40
155	Regulation of glutamate metabolism by hydrocortisone and branched chain keto acids in cultured rat retinal M μ ller cells (TR-MUL). <i>Neurochemistry International</i> , 2011, 59, 656-663.	1.9	35
156	Immunolocalization of aquaporin-6 in the rat retina. <i>Neuroscience Letters</i> , 2011, 490, 130-134.	1.0	23
157	PE-11, a peptide derived from chromogranin B, in the rat eye. <i>Peptides</i> , 2011, 32, 1201-1206.	1.2	6
158	Radial Glia: Progenitor, Pathway, and Partner. <i>Neuroscientist</i> , 2011, 17, 288-302.	2.6	68
159	Toward a Better Understanding of Human Eye Disease. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 100, 287-330.	0.9	88
160	Response of Retinal Connexin43 to Optic Nerve Injury. , 2011, 52, 3620.		15
161	Human Choroidretinal Layer Thicknesses Measured in Macula-wide, High-Resolution Histologic Sections. , 2011, 52, 3943.		206
162	EPO reduces reactive gliosis and stimulates neurotrophin expression in Muller cells. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 1541-1555.	0.9	20
163	Early Inner Retinal Astrocyte Dysfunction during Diabetes and Development of Hypoxia, Retinal Stress, and Neuronal Functional Loss. , 2011, 52, 9316.		140
164	Submacular DL-Î±-Amino adipic Acid Eradicates Primate Photoreceptors but Does Not Affect Luteal Pigment or the Retinal Vasculature. , 2011, 52, 119.		17

#	ARTICLE	IF	CITATIONS
165	Effects of Ischemiaâ€“Reperfusion on Physiological Properties of MÃ¼ller Glial Cells in the Porcine Retina. , 2011, 52, 3360.		45
166	Calpain, Not Caspase, Is the Causative Protease for Hypoxic Damage in Cultured Monkey Retinal Cells. , 2011, 52, 7059.		33
167	Genetic Deletion of Laminin Isoforms Î²2 and Î²3 Induces a Reduction in Kir4.1 and Aquaporin-4 Expression and Function in the Retina. PLoS ONE, 2011, 6, e16106.	1.1	28
168	Lycium Barbarum Polysaccharides Reduce Neuronal Damage, Blood-Retinal Barrier Disruption and Oxidative Stress in Retinal Ischemia/Reperfusion Injury. PLoS ONE, 2011, 6, e16380.	1.1	144
169	Ciliary Neurotrophic Factor Induces Genes Associated with Inflammation and Gliosis in the Retina: A Gene Profiling Study of Flow-Sorted, MÃ¼ller Cells. PLoS ONE, 2011, 6, e20326.	1.1	48
170	Inhibition of Reactive Gliosis Prevents Neovascular Growth in the Mouse Model of Oxygen-Induced Retinopathy. PLoS ONE, 2011, 6, e22244.	1.1	17
171	An alternative isomerohydrolase in the retinal MÃ¼ller cells of a coneâ€“dominant species. FEBS Journal, 2011, 278, 2913-2926.	2.2	24
172	Purinergic signaling involved in MÃ¼ller cell function in the mammalian retina. Progress in Retinal and Eye Research, 2011, 30, 324-342.	7.3	71
173	Transplanted olfactory ensheathing cells reduce the gliotic injury response of MÃ¼ller cells in a rat model of retinitis pigmentosa. Brain Research, 2011, 1382, 238-244.	1.1	18
174	Localization of 4-hydroxy 2-nonenal immunoreactivity in aging human retinal MÃ¼ller cells. Annals of Anatomy, 2011, 193, 205-210.	1.0	22
175	Effects of intravitreal triamcinolone acetonide on retinal gene expression in a rat model of central retinal vein occlusion. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1175-1183.	1.0	20
176	Effects of intravitreal bevacizumab (Avastin) on the porcine retina. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1821-1829.	1.0	13
177	Sox2 Up-regulation and Glial Cell Proliferation Following Degeneration of Spiral Ganglion Neurons in the Adult Mouse Inner Ear. JARO - Journal of the Association for Research in Otolaryngology, 2011, 12, 151-171.	0.9	78
178	MÃ¼ller glial dysfunction during diabetic retinopathy in rats is linked to accumulation of advanced glycation end-products and advanced lipoxidation end-products. Diabetologia, 2011, 54, 690-698.	2.9	102
179	24S-hydroxycholesterol and cholesterol-24S-hydroxylase (CYP46A1) in the retina: from cholesterol homeostasis to pathophysiology of glaucoma. Chemistry and Physics of Lipids, 2011, 164, 496-499.	1.5	16
180	Adaptive MÃ¼ller cell responses to microglial activation mediate neuroprotection and coordinate inflammation in the retina. Journal of Neuroinflammation, 2011, 8, 173.	3.1	187
181	Clinical, electroretinographic and histomorphometric evaluation of the retina in sheep with natural scrapie. BMC Veterinary Research, 2011, 7, 25.	0.7	12
182	Adult Human MÃ¼ller Glia Cells Are a Highly Efficient Source of Rod Photoreceptors. Stem Cells, 2011, 29, 344-356.	1.4	122

#	ARTICLE	IF	CITATIONS
183	Effects of epidermal growth factor and erythropoietin on M μ ller glial activation and phenotypic plasticity in the adult mammalian retina. <i>Journal of Neuroscience Research</i> , 2011, 89, 1018-1030.	1.3	19
184	Glial cell modulation of circadian rhythms. <i>Glia</i> , 2011, 59, 1341-1350.	2.5	58
185	Differential expression of inwardly rectifying K ⁺ channels and aquaporins 4 and 5 in autoimmune uveitis indicates misbalance in M μ ller glial cell μ dependent ion and water homeostasis. <i>Glia</i> , 2011, 59, 697-707.	2.5	44
186	GDNF μ induced osteopontin from M μ ller glial cells promotes photoreceptor survival in the Pde6b ^{rd1} mouse model of retinal degeneration. <i>Glia</i> , 2011, 59, 821-832.	2.5	70
187	Role of M μ ller cells in cone mosaic rearrangement in a rat model of retinitis pigmentosa. <i>Glia</i> , 2011, 59, 1107-1117.	2.5	34
188	Characterization of retinal function and glial cell response in a mouse model of oxygen μ induced retinopathy. <i>Journal of Comparative Neurology</i> , 2011, 519, 506-527.	0.9	99
189	Purinergic regulation of high-glucose-induced caspase-1 activation in the rat retinal M μ ller cell line rMC-1. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1213-C1223.	2.1	42
190	AAV Mediated GDNF Secretion From Retinal Glia Slows Down Retinal Degeneration in a Rat Model of Retinitis Pigmentosa. <i>Molecular Therapy</i> , 2011, 19, 1602-1608.	3.7	98
191	Studies on Experimental Models. , 2011, , .		1
192	Primary culture of rabbit retinal M μ ller cells in vitro and the identification. , 2011, , .		0
193	Toll-like Receptor 3 Is Required for Development of Retinopathy Caused by Impaired All-trans-retinal Clearance in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 15543-15555.	1.6	56
194	Expression of Complement Component 3 (C3) from an Adenovirus Leads to Pathology in the Murine Retina. , 2011, 52, 3436.		42
195	TLR2 Mediates the Innate Response of Retinal Muller Glia to <i>Staphylococcus aureus</i> . <i>Journal of Immunology</i> , 2011, 186, 7089-7097.	0.4	58
196	Differential Regulations of AQP4 and Kir4.1 by Triamcinolone Acetonide and Dexamethasone in the Healthy and Inflamed Retina. , 2011, 52, 6340.		63
197	Loss of Shp2-Mediated Mitogen-Activated Protein Kinase Signaling in M μ ller Glial Cells Results in Retinal Degeneration. <i>Molecular and Cellular Biology</i> , 2011, 31, 2973-2983.	1.1	32
198	Localization of a Wide-Ranging Panel of Antigens in the Rat Retina by Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2011, 59, 884-898.	1.3	40
199	Genistein Blunts the Negative Effect of Ischaemia to the Retina Caused by an Elevation of Intraocular Pressure. <i>Ophthalmic Research</i> , 2011, 45, 65-72.	1.0	10
200	Continuous electrical stimulation decreases retinal excitability but does not alter retinal morphology. <i>Journal of Neural Engineering</i> , 2011, 8, 045003.	1.8	13

#	ARTICLE	IF	CITATIONS
201	Stem cell therapy for glaucoma: possibilities and practicalities. Expert Review of Ophthalmology, 2011, 6, 165-174.	0.3	26
202	Reactive glial cells: increased stiffness correlates with increased intermediate filament expression. FASEB Journal, 2011, 25, 624-631.	0.2	148
203	Microangiopathy and visual deficits characterize the retinopathy of a spontaneously hypertensive rat model with type 2 diabetes and metabolic syndrome. Hypertension Research, 2011, 34, 103-112.	1.5	7
204	Increased Müller Cell De-Differentiation After Grafting of Retinal Stem Cell in the Sub-Retinal Space of Royal College of Surgeons Rats. Tissue Engineering - Part A, 2011, 17, 2523-2532.	1.6	15
205	Müller Glia: A Promising Target for Therapeutic Regeneration. , 2011, 52, 5758.		63
206	The Sand Rat, <i>Psammomys obesus</i> , Develops Type 2 Diabetic Retinopathy Similar to Humans. , 2011, 52, 8993.		32
207	Animal Models of Retinal Disease. Progress in Molecular Biology and Translational Science, 2011, 100, 211-286.	0.9	89
208	Quantitative Morphometry of Perifoveal Capillary Networks in the Human Retina. , 2012, 53, 5502.		161
209	Neuronal Programmed Cell Death-1 Ligand Expression Regulates Retinal Ganglion Cell Number in Neonatal and Adult Mice. Journal of Neuro-Ophthalmology, 2012, 32, 227-237.	0.4	12
210	Loss of Caveolin-1 Impairs Retinal Function Due to Disturbance of Subretinal Microenvironment. Journal of Biological Chemistry, 2012, 287, 16424-16434.	1.6	50
211	Müller Glial Cells in Retinal Disease. Ophthalmologica, 2012, 227, 1-19.	1.0	325
212	Conditional Müller Cell Ablation Causes Independent Neuronal and Vascular Pathologies in a Novel Transgenic Model. Journal of Neuroscience, 2012, 32, 15715-15727.	1.7	207
213	Group I mGluR-Mediated Inhibition of Kir Channels Contributes to Retinal Müller Cell Gliosis in a Rat Chronic Ocular Hypertension Model. Journal of Neuroscience, 2012, 32, 12744-12755.	1.7	69
214	Cell Swelling Contributes to Thickening of Low-Dose N-methyl-D-Aspartate-Induced Retinal Edema. , 2012, 53, 2777.		8
215	Hydrocortisone Stimulates Neurite Outgrowth from Mouse Retinal Explants by Modulating Macroglial Activity. , 2012, 53, 2046.		15
216	Aquaporin Changes during Diabetic Retinopathy in Rats Are Accelerated by Systemic Hypertension and Are Linked to the Renin-Angiotensin System. , 2012, 53, 3047.		17
217	Aldose Reductase Deficiency Reduced Vascular Changes in Neonatal Mouse Retina in Oxygen-Induced Retinopathy. , 2012, 53, 5698.		32
218	Melatonin-Mediated Cytoprotection against Hyperglycemic Injury in Müller Cells. PLoS ONE, 2012, 7, e50661.	1.1	40

#	ARTICLE	IF	CITATIONS
219	Injury-independent induction of reactive gliosis in retina by loss of function of the LIM homeodomain transcription factor Lhx2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4657-4662.	3.3	86
220	Steady-state levels of retinal 24S-hydroxycholesterol are maintained by glial cells intervention after elevation of intraocular pressure in the rat. <i>Acta Ophthalmologica</i> , 2012, 90, e560-7.	0.6	27
221	Electrical stimulation ameliorates light-induced photoreceptor degeneration in vitro via suppressing the proinflammatory effect of microglia and enhancing the neurotrophic potential of Müller cells. <i>Experimental Neurology</i> , 2012, 238, 192-208.	2.0	65
222	Intravitreal delivery of mesenchymal stem cells loaded onto hydrogel affects the regulatory expression of endogenous NGF and BDNF in ischemic rat retina. <i>Tissue Engineering and Regenerative Medicine</i> , 2012, 9, 249-258.	1.6	16
223	Eye Development and Retinogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008391-a008391.	2.3	208
224	Foveal avascular zone and foveal pit formation after preterm birth. <i>British Journal of Ophthalmology</i> , 2012, 96, 961-966.	2.1	110
225	Retinal Proteome Analysis in a Mouse Model of Oxygen-Induced Retinopathy. <i>Journal of Proteome Research</i> , 2012, 11, 5186-5203.	1.8	23
226	Relevance of Exocytotic Glutamate Release from Retinal Glia. <i>Neuron</i> , 2012, 74, 504-516.	3.8	69
227	Intravitreal interleukin-2 treatment and inflammation modulates glial cells activation and uncrossed retinotectal development. <i>Neuroscience</i> , 2012, 200, 223-236.	1.1	11
228	Hyporeflective Wedge-Shaped Band in Geographic Atrophy Secondary to Age-related Macular Degeneration. <i>Ophthalmology</i> , 2012, 119, 1412-1419.	2.5	43
229	Oxidative and Endoplasmic Reticulum Stresses Mediate Apoptosis Induced by Modified LDL in Human Retinal Müller Cells. , 2012, 53, 4595.		61
230	Distinct effects of inflammation on gliosis, osmohomeostasis, and vascular integrity during amyloid beta-induced retinal degeneration. <i>Aging Cell</i> , 2012, 11, 683-693.	3.0	23
231	Hyperglycemia induces early upregulation of the calcium sensor KChIP3/DREAM/calsenilin in the rat retina. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 420-425.	1.0	6
232	Elevated histone acetylations in Müller cell contribute to inflammation: A novel inhibitory effect of minocycline. <i>Glia</i> , 2012, 60, 1896-1905.	2.5	38
233	IOP induces upregulation of GFAP and MHC-II and microglia reactivity in mice retina contralateral to experimental glaucoma. <i>Journal of Neuroinflammation</i> , 2012, 9, 92.	3.1	196
234	The effect of glial fibrillary acidic protein expression on neurite outgrowth from retinal explants in a permissive environment. <i>BMC Research Notes</i> , 2012, 5, 693.	0.6	15
235	Novel adeno-associated viral vectors for retinal gene therapy. <i>Gene Therapy</i> , 2012, 19, 162-168.	2.3	109
236	Microvascular remodeling and wound healing: A role for pericytes. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1800-1812.	1.2	140

#	ARTICLE	IF	CITATIONS
237	Retinal regeneration and stem cell therapy in retinitis pigmentosa. Taiwan Journal of Ophthalmology, 2012, 2, 41-44.	0.3	3
238	Transcriptional Regulation of Aquaporins in the Ischemic Rat Retina: Upregulation of Aquaporin-9. Current Eye Research, 2012, 37, 524-531.	0.7	25
239	Neural Development and Stem Cells. , 2012, , .		0
240	Beyond Polarity: Functional Membrane Domains in Astrocytes and Müller Cells. Neurochemical Research, 2012, 37, 2513-2523.	1.6	32
241	Retinal Development. Methods in Molecular Biology, 2012, , .	0.4	4
242	Embryonic Stem Cell-Derived Microvesicles Induce Gene Expression Changes in Müller Cells of the Retina. PLoS ONE, 2012, 7, e50417.	1.1	81
243	Anti-Inflammatory Effects of Lutein in Retinal Ischemic/Hypoxic Injury: In Vivo and In Vitro Studies. , 2012, 53, 5976.		118
244	Physiologic Properties of Müller Cells from Human Eyes Affected with Uveal Melanoma. , 2012, 53, 4170.		12
245	Nestin expressing progenitor cells during establishment of the neural retina and its vasculature. Anatomy and Cell Biology, 2012, 45, 38.	0.5	18
246	Effects of Hypercholesterolaemia in the Retina. , 2012, , .		1
247	Reactive Oxygen Species Regulate Prosurvival ERK1/2 Signaling and bFGF Expression in Gliosis within the Retina. , 2012, 53, 6645.		35
248	The Effect of Melatonin on Retinal Ganglion Cell Survival in Ischemic Retina. Chonnam Medical Journal, 2012, 48, 116.	0.5	25
249	TMP Prevents Retinal Neovascularization and Imparts Neuroprotection in an Oxygen-Induced Retinopathy Model. , 2012, 53, 2157.		42
250	Direct comparison of MS-based label-free and SILAC quantitative proteome profiling strategies in primary retinal Müller cells. Proteomics, 2012, 12, 1902-1911.	1.3	114
251	The axon guidance molecule Netrin-4 is expressed by Müller cells and contributes to angiogenesis in the retina. Glia, 2012, 60, 1567-1578.	2.5	33
252	P53 is required for the developmental restriction in Müller glial proliferation in mouse retina. Glia, 2012, 60, 1579-1589.	2.5	50
253	Endocannabinoids alleviate proinflammatory conditions by modulating innate immune response in muller glia during inflammation. Glia, 2012, 60, 1629-1645.	2.5	55
254	Effect of Intravitreal Anti-Vascular Endothelial Growth Factor Treatment on the Retinal Gene Expression in Acute Experimental Central Retinal Vein Occlusion. Ophthalmic Research, 2012, 47, 157-162.	1.0	14

#	ARTICLE	IF	CITATIONS
255	Tailoring Substrates for Long-Term Organotypic Culture of Adult Neuronal Tissue. <i>Advanced Materials</i> , 2012, 24, 2399-2403.	11.1	16
256	Pharmacologic Induction of Heme Oxygenase-1 Plays a Protective Role in Diabetic Retinopathy in Rats. , 2012, 53, 6541.		81
257	Transcriptional regulation of aquaporin-3 in human retinal pigment epithelial cells. <i>Molecular Biology Reports</i> , 2012, 39, 7949-7956.	1.0	14
258	Pigment Epithelium-Derived Factor Released by Müller Glial Cells Exerts Neuroprotective Effects on Retinal Ganglion Cells. <i>Neurochemical Research</i> , 2012, 37, 1524-1533.	1.6	59
259	Purinergic trophic signalling in glial cells: functional effects and modulation of cell proliferation, differentiation, and death. <i>Purinergic Signalling</i> , 2012, 8, 539-557.	1.1	38
260	Systemic corticosteroids reduce the risk of cellophane membranes after retinal detachment surgery: a prospective randomized placebo-controlled double-blind clinical trial. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 981-987.	1.0	39
261	The changes of potassium currents in RCS rat Müller cell during retinal degeneration. <i>Brain Research</i> , 2012, 1427, 78-87.	1.1	15
262	Neovascularization in retinopathy of prematurity: opposing actions of neuronal factors GPR91 and semaphorins 3A. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, 819-826.	0.7	18
263	670-nm Red Light Preconditioning Supports Müller Cell Function: Evidence from the White Light-Induced Damage Model in the Rat Retina. <i>Photochemistry and Photobiology</i> , 2012, 88, 1418-1427.	1.3	58
264	From oxygen to erythropoietin: Relevance of hypoxia for retinal development, health and disease. <i>Progress in Retinal and Eye Research</i> , 2012, 31, 89-119.	7.3	133
265	Neurogenic potential of stem/progenitor-like cells in the adult mammalian eye. <i>Progress in Retinal and Eye Research</i> , 2012, 31, 213-242.	7.3	56
266	Isolation, characterization and establishment of an equine retinal glial cell line: a prerequisite to investigate the physiological function of Müller cells in the retina. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 260-269.	1.0	14
267	The role of glia in retinal vascular disease. <i>Australasian journal of optometry, The</i> , 2012, 95, 266-281.	0.6	107
268	The visual system of zebrafish and its use to model human ocular Diseases. <i>Developmental Neurobiology</i> , 2012, 72, 302-327.	1.5	156
269	Regulation of proton-coupled folate transporter in retinal Müller cells by the antipsoriatic drug monomethylfumarate. <i>Glia</i> , 2012, 60, 333-342.	2.5	14
270	Hypoxia-induced upregulation of pigment epithelium-derived factor by retinal glial (Müller) cells. <i>Journal of Neuroscience Research</i> , 2012, 90, 257-266.	1.3	18
271	Mechanisms of VEGF- and Glutamate-Induced Inhibition of Osmotic Swelling of Murine Retinal Glial (Müller) Cells: Indications for the Involvement of Vesicular Glutamate Release and Connexin-Mediated ATP Release. <i>Neurochemical Research</i> , 2012, 37, 268-278.	1.6	29
272	Progressive morphological changes and impaired retinal function associated with temporal regulation of gene expression after retinal ischemia/reperfusion injury in mice. <i>Molecular Neurodegeneration</i> , 2013, 8, 21.	4.4	75

#	ARTICLE	IF	CITATIONS
273	New functions of Müller cells. <i>Glia</i> , 2013, 61, 651-678.	2.5	564
274	Stem Cell Biology and Regenerative Medicine in Ophthalmology. , 2013, , .		3
275	Synthesis, characterization and in vitro studies of celecoxib-loaded poly(ortho ester) nanoparticles targeted for intraocular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 474-482.	2.5	23
276	Osteopontin inhibits osmotic swelling of retinal glial (Müller) cells by inducing release of VEGF. <i>Neuroscience</i> , 2013, 246, 59-72.	1.1	30
277	Differential neuronal expression of receptor interacting protein 3 in rat retina: involvement in ischemic stress response. <i>BMC Neuroscience</i> , 2013, 14, 16.	0.8	54
278	Constitutive overexpression of Norrin activates Wnt/ β -catenin and endothelin-2 signaling to protect photoreceptors from light damage. <i>Neurobiology of Disease</i> , 2013, 50, 1-12.	2.1	51
279	Müller Glia Cells Activation in Rat Retina After Optic Nerve Injury: Spatiotemporal Correlation with Transcription Initiation Factor IIB. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 37-46.	1.1	9
280	The role of Müller glia and microglia in glaucoma. <i>Cell and Tissue Research</i> , 2013, 353, 339-345.	1.5	78
281	Advanced glycation end products and diabetic retinopathy. <i>Amino Acids</i> , 2013, 44, 1397-1407.	1.2	76
282	Idiopathic macular telangiectasia type 2 (idiopathic juxtafoveolar retinal telangiectasis type 2A, Mac) Tj ETQq1 1 0.784314 rgBT /Over	1.7	66
283	Nestin expression in the retina of rats with inherited retinal degeneration. <i>Experimental Eye Research</i> , 2013, 110, 26-34.	1.2	14
284	Environmental light and endogenous antioxidants as the main determinants of non-cancer ocular diseases. <i>Mutation Research - Reviews in Mutation Research</i> , 2013, 752, 153-171.	2.4	68
285	Intrinsic axonal degeneration pathways are critical for glaucomatous damage. <i>Experimental Neurology</i> , 2013, 246, 54-61.	2.0	86
286	Ageing is not a disease: Distinguishing age-related macular degeneration from aging. <i>Progress in Retinal and Eye Research</i> , 2013, 37, 68-89.	7.3	203
287	Optical Coherence Tomography as a Diagnostic Tool for Retinal Pathologies in Avian Ophthalmology. , 2013, 54, 8259.		28
288	The expression of Toll-like receptors in murine Müller cells, the glial cells in retina. <i>Neurological Sciences</i> , 2013, 34, 1339-1346.	0.9	24
289	Early remodeling of Müller cells in the <i>rd/rd</i> mouse model of retinal dystrophy. <i>Journal of Comparative Neurology</i> , 2013, 521, 2439-2453.	0.9	30
290	Upregulation of Glutamate-Aspartate Transporter by Glial Cell Line-Derived Neurotrophic Factor Ameliorates Cell Apoptosis in Neural Retina in Streptozotocin-Induced Diabetic Rats. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 945-953.	1.9	23

#	ARTICLE	IF	CITATIONS
291	Prostaglandin E ₂ ; Enhances Proliferation, Dedifferentiation and Stem-Like Properties of Rat Retinal Müller Glial Cells in vitro. <i>Ophthalmic Research</i> , 2013, 49, 100-107.	1.0	6
292	Pathogenesis of Proliferative Vitreoretinopathy. , 2013, , 1640-1646.		6
293	Activation of retinal microglial cells is not associated with Müller cell reactivity in vitrectomized rabbit eyes. <i>Acta Ophthalmologica</i> , 2013, 91, e48-55.	0.6	8
294	Aquaporins 6-12 in the human eye. <i>Acta Ophthalmologica</i> , 2013, 91, 557-563.	0.6	34
295	Neuroprotective effects of lutein in a rat model of retinal detachment. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 41-51.	1.0	43
296	Spatiotemporal pattern of rod degeneration in the S334ter-line-3 rat model of retinitis pigmentosa. <i>Cell and Tissue Research</i> , 2013, 351, 29-40.	1.5	29
297	Macular telangiectasia type 2. <i>Progress in Retinal and Eye Research</i> , 2013, 34, 49-77.	7.3	311
298	ERK1/2 pathway is activated in degenerated Rpe65-deficient mice. <i>Experimental Eye Research</i> , 2013, 116, 86-95.	1.2	3
299	Endogenous regeneration of damaged retinal pigment epithelium following low dose sodium iodate administration: An insight into the role of glial cells in retinal repair. <i>Experimental Eye Research</i> , 2013, 112, 68-78.	1.2	34
300	Chloroquine causes similar electroretinogram modifications, neuronal phospholipidosis and marked impairment of synaptic vesicle transport in Albino and Pigmented Rats. <i>Toxicology</i> , 2013, 308, 50-59.	2.0	11
301	Adaptation of the central retina for high acuity vision: Cones, the fovea and the avascular zone. <i>Progress in Retinal and Eye Research</i> , 2013, 35, 63-81.	7.3	210
302	Molecular basis of the inner blood-retinal barrier and its breakdown in diabetic macular edema and other pathological conditions. <i>Progress in Retinal and Eye Research</i> , 2013, 34, 19-48.	7.3	539
303	Therapeutic potential of targeting lipid aldehydes and lipoxidation end-products in the treatment of ocular disease. <i>Future Medicinal Chemistry</i> , 2013, 5, 189-211.	1.1	9
304	Tumor Necrosis Factor-Alpha Is Produced by Dying Retinal Neurons and Is Required for Müller Glia Proliferation during Zebrafish Retinal Regeneration. <i>Journal of Neuroscience</i> , 2013, 33, 6524-6539.	1.7	197
305	Long-distance axonal regeneration induced by CNTF gene transfer is impaired by axonal misguidance in the injured adult optic nerve. <i>Neurobiology of Disease</i> , 2013, 51, 202-213.	2.1	116
306	Hypoosmotic and glutamate-induced swelling of bipolar cells in the rat retina: comparison with swelling of Müller glial cells. <i>Journal of Neurochemistry</i> , 2013, 126, 372-381.	2.1	22
307	Detergent resistant membrane fractions are involved in calcium signaling in Müller glial cells of retina. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1758-1766.	1.2	8
308	MicroRNA-200b Downregulates Oxidation Resistance 1 (<i>Oxr1</i>) Expression in the Retina of Type 1 Diabetes Model. , 2013, 54, 1689.		88

#	ARTICLE	IF	CITATIONS
309	Morphological Change of Inner Retinal Layer on Spectral-Domain Optical Coherence Tomography following Macular Hole Surgery. <i>Ophthalmologica</i> , 2013, 230, 18-26.	1.0	9
310	SOX2 maintains the quiescent progenitor cell state of postnatal retinal Müller glia. <i>Development (Cambridge)</i> , 2013, 140, 1445-1456.	1.2	95
311	GABA and Glutamate Uptake and Metabolism in Retinal Glial (Müller) Cells. <i>Frontiers in Endocrinology</i> , 2013, 4, 48.	1.5	130
312	THE RELATIONSHIP BETWEEN INNER RETINAL CAVITATION, PHOTORECEPTOR DISRUPTION, AND THE INTEGRITY OF THE OUTER LIMITING MEMBRANE IN MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , 2013, 33, 1547-1550.	1.0	20
313	A self-renewing division of zebrafish Müller glial cells generates neuronal progenitors that require N-cadherin to regenerate retinal neurons. <i>Development (Cambridge)</i> , 2013, 140, 4510-4521.	1.2	176
314	Insulin-like Growth Factor I (IGF-I)-induced Chronic Gliosis and Retinal Stress Lead to Neurodegeneration in a Mouse Model of Retinopathy. <i>Journal of Biological Chemistry</i> , 2013, 288, 17631-17642.	1.6	20
315	Differential Gene Expression Profiling after Conditional Müller-Cell Ablation in a Novel Transgenic Model. , 2013, 54, 2142.		13
316	Disruption of Endogenous Purinergic Signaling Inhibits Vascular Endothelial Growth Factor- and Glutamate-Induced Osmotic Volume Regulation of Müller Glial Cells in Knockout Mice. <i>Ophthalmic Research</i> , 2013, 50, 209-214.	1.0	8
317	Abnormalities in Glutamate Metabolism and Excitotoxicity in the Retinal Diseases. <i>Scientifica</i> , 2013, 2013, 1-13.	0.6	89
318	What neurochemistry tells us about the retina. <i>Australasian journal of optometry, The</i> , 2013, 96, 257-258.	0.6	0
319	Green Tea Is Neuroprotective in Diabetic Retinopathy. , 2013, 54, 1325.		98
320	Involvement of NT3 and P75NTR in photoreceptor degeneration following selective Müller cell ablation. <i>Journal of Neuroinflammation</i> , 2013, 10, 137.	3.1	35
321	A Novel Light Damage Paradigm for Use in Retinal Regeneration Studies in Adult Zebrafish. <i>Journal of Visualized Experiments</i> , 2013, , e51017.	0.2	13
322	EPIRETINAL CELL PROLIFERATION IN MACULAR PUCKER AND VITREOMACULAR TRACTION SYNDROME. <i>Retina</i> , 2013, 33, 77-88.	1.0	121
323	Mechanical stretching induces matrix metalloproteinase-2 expression in rat retinal glial (Müller) cells. <i>NeuroReport</i> , 2013, 24, 224-228.	0.6	16
324	Laser Capture Microdissection-Directed Profiling of Glycolytic and mTOR Pathways in Areas of Selectively Ablated Müller Cells in the Murine Retina. , 2013, 54, 6578.		13
325	Stretch to See: Lateral Tension Strongly Determines Cell Survival in Long-Term Cultures of Adult Porcine Retina. , 2013, 54, 1845.		25
326	Glial Cell and Inflammatory Responses to Retinal Laser Treatment: Comparison of a Conventional Photocoagulator and a Novel, 3-Nanosecond Pulse Laser. , 2013, 54, 2319.		36

#	ARTICLE	IF	CITATIONS
327	SIK2 Is Involved in the Negative Modulation of Insulin-Dependent Müller Cell Survival and Implicated in Hyperglycemia-Induced Cell Death. , 2013, 54, 3526.		21
329	Techniques for Processing Eyes Implanted With a Retinal Prosthesis for Localized Histopathological Analysis. Journal of Visualized Experiments, 2013, , .	0.2	8
330	Cell Volume Regulation in Cultured Human Retinal Müller Cells Is Associated with Changes in Transmembrane Potential. PLoS ONE, 2013, 8, e57268.	1.1	18
331	Müller Cell Reactivity in Response to Photoreceptor Degeneration in Rats with Defective Polycystin-2. PLoS ONE, 2013, 8, e61631.	1.1	22
332	Gene Expression Changes under Cyclic Mechanical Stretching in Rat Retinal Glial (Müller) Cells. PLoS ONE, 2013, 8, e63467.	1.1	18
333	Adeno-Associated Virus Mediated Delivery of a Non-Membrane Targeted Human Soluble CD59 Attenuates Some Aspects of Diabetic Retinopathy in Mice. PLoS ONE, 2013, 8, e79661.	1.1	30
334	Characterization of Light Lesion Paradigms and Optical Coherence Tomography as Tools to Study Adult Retina Regeneration in Zebrafish. PLoS ONE, 2013, 8, e80483.	1.1	32
335	Müller Glia in Retinal Innate Immunity: A Perspective on Their Roles in Endophthalmitis. Critical Reviews in Immunology, 2013, 33, 119-135.	1.0	72
336	Reactive Müller Glia as Potential Retinal Progenitors. , 2013, , .		3
337	Photoreceptor Degeneration in Two Mouse Models for Congenital Stationary Night Blindness Type 2. PLoS ONE, 2014, 9, e86769.	1.1	53
338	Neuronal Injury External to the Retina Rapidly Activates Retinal Glia, Followed by Elevation of Markers for Cell Cycle Re-Entry and Death in Retinal Ganglion Cells. PLoS ONE, 2014, 9, e101349.	1.1	25
339	Environmental Enrichment Protects the Retina from Early Diabetic Damage in Adult Rats. PLoS ONE, 2014, 9, e101829.	1.1	20
340	Systemic Administration of Erythropoietin Inhibits Retinopathy in RCS Rats. PLoS ONE, 2014, 9, e104759.	1.1	21
341	Potential Role of Cyr61 Induced Degeneration of Human Müller Cells in Diabetic Retinopathy. PLoS ONE, 2014, 9, e109418.	1.1	4
342	Intersublamina Vascular Plexus: The Correlation of Retinal Blood Vessels With Functional Sublaminae of the Inner Plexiform Layer. , 2014, 55, 78.		15
343	Transactivation of EGF Receptors in Chicken Müller Cells by Î±2A-Adrenergic Receptors Stimulated by Brimonidine. , 2014, 55, 3385.		15
344	Epiretinal membrane formation associated with idiopathic macular telangiectasia: case report. Arquivos Brasileiros De Oftalmologia, 2014, 77, 264-6.	0.2	5
345	A Quantitative Approach to Identify Morphological Features Relevant for Visual Function in Ranibizumab Therapy of Neovascular AMD. , 2014, 55, 6623.		25

#	ARTICLE	IF	CITATIONS
346	The External Limiting Membrane in Early-Onset Stargardt Disease. , 2014, 55, 6139.		54
347	Swelling and Eicosanoid Metabolites Differentially Gate TRPV4 Channels in Retinal Neurons and Glia. Journal of Neuroscience, 2014, 34, 15689-15700.	1.7	93
348	Identification of a Novel Neurotrophic Factor from Primary Retinal M μ ller Cells Using Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC). Molecular and Cellular Proteomics, 2014, 13, 2371-2381.	2.5	17
349	The Retinal Pigment Epithelium Utilizes Fatty Acids for Ketogenesis. Journal of Biological Chemistry, 2014, 289, 20570-20582.	1.6	136
350	Defects in the retina of Niemann-pick type C 1 mutant mice. BMC Neuroscience, 2014, 15, 126.	0.8	25
351	Inhibition of cyclophilin D by cyclosporin A promotes retinal ganglion cell survival by preventing mitochondrial alteration in ischemic injury. Cell Death and Disease, 2014, 5, e1105-e1105.	2.7	51
352	Differential effects of P2Y1 deletion on glial activation and survival of photoreceptors and amacrine cells in the ischemic mouse retina. Cell Death and Disease, 2014, 5, e1353-e1353.	2.7	29
353	Thrombospondin-1 Is Produced by Retinal Glial Cells and Inhibits the Growth of Vascular Endothelial Cells. Ophthalmic Research, 2014, 52, 81-88.	1.0	19
354	Regenerative Biology of the Eye. Pancreatic Islet Biology, 2014, , .	0.1	4
355	The Role of Inflammation in the Pathogenesis of Macular Edema Secondary to Retinal Vascular Diseases. Mediators of Inflammation, 2014, 2014, 1-6.	1.4	51
356	Purinergic Receptors in Ocular Inflammation. Mediators of Inflammation, 2014, 2014, 1-11.	1.4	22
358	Neuropeptides, Trophic Factors, and Other Substances Providing Morphofunctional and Metabolic Protection in Experimental Models of Diabetic Retinopathy. International Review of Cell and Molecular Biology, 2014, 311, 1-121.	1.6	21
359	Altered aquaporin expression in glaucoma eyes. Apmis, 2014, 122, 772-780.	0.9	18
360	Proteome of brain glia: The molecular basis of diverse glial phenotypes. Proteomics, 2014, 14, 378-398.	1.3	16
362	Tumor necrosis factor α mediates activation of $\text{NF-}\kappa\text{B}$ and JNK signaling cascades in retinal ganglion cells and astrocytes in opposite ways. European Journal of Neuroscience, 2014, 40, 3171-3178.	1.2	59
363	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. Progress in Retinal and Eye Research, 2014, 43, 17-75.	7.3	338
364	Unidirectional Photoreceptor-to-M μ ller Glia Coupling and Unique K $^{+}$ Channel Expression in Caiman Retina. PLoS ONE, 2014, 9, e97155.	1.1	21
365	The Neuroprotective Potential of Retinal M μ ller Glial Cells. Advances in Experimental Medicine and Biology, 2014, 801, 381-387.	0.8	13

#	ARTICLE	IF	CITATIONS
366	Erythropoietin Exerts a Neuroprotective Function Against Glutamate Neurotoxicity in Experimental Diabetic Retina. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8208-8222.	3.3	44
367	The Clinical Spectrum of Microcystic Macular Edema. , 2014, 55, 952.		97
368	GLIAL CELLS AND COLLAGENS IN EPIRETINAL MEMBRANES ASSOCIATED WITH IDIOPATHIC MACULAR HOLES. <i>Retina</i> , 2014, 34, 897-906.	1.0	38
369	ROLE OF POSTERIOR VITREOUS DETACHMENT ON OUTCOME OF ANTI-“VASCULAR ENDOTHELIAL GROWTH FACTOR TREATMENT IN AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2014, 34, 32-37.	1.0	35
370	Thiol-dependent antioxidant activity of interphotoreceptor retinoid-binding protein. <i>Experimental Eye Research</i> , 2014, 120, 167-174.	1.2	22
371	A new angle on blood–CNS interfaces: A role for connexins?. <i>FEBS Letters</i> , 2014, 588, 1259-1270.	1.3	72
372	A comparative analysis of Müller glia-mediated regeneration in the vertebrate retina. <i>Experimental Eye Research</i> , 2014, 123, 121-130.	1.2	80
373	Cholesterol in the retina: The best is yet to come. <i>Progress in Retinal and Eye Research</i> , 2014, 41, 64-89.	7.3	229
374	Retinal Stem Cells and Regeneration of Vision System. <i>Anatomical Record</i> , 2014, 297, 137-160.	0.8	16
375	Immunocytochemical analysis of misplaced rhodopsin-positive cells in the developing rodent retina. <i>Cell and Tissue Research</i> , 2014, 356, 49-63.	1.5	6
376	Microglia-Müller Cell Interactions in the Retina. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 333-338.	0.8	98
377	Effect of glucocorticoids on neuronal and vascular pathology in a transgenic model of selective Müller cell ablation. <i>Glia</i> , 2014, 62, 1110-1124.	2.5	32
378	Murine dopaminergic Müller cells restore motor function in a model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2014, 128, 829-840.	2.1	17
379	New clinical and experimental insights into Old World and neotropical ocular toxoplasmosis. <i>International Journal for Parasitology</i> , 2014, 44, 99-107.	1.3	67
380	Müller glia: Stem cells for generation and regeneration of retinal neurons in teleost fish. <i>Progress in Retinal and Eye Research</i> , 2014, 40, 94-123.	7.3	273
381	Preventive and therapeutic effects of SkQ1-containing Visomitin eye drops against light-induced retinal degeneration. <i>Biochemistry (Moscow)</i> , 2014, 79, 1101-1110.	0.7	22
382	Feet on the Ground: Physical Support of the Inner Retina Is a Strong Determinant for Cell Survival and Structural Preservation In Vitro. , 2014, 55, 2200.		25
383	Repressing Notch Signaling and Expressing TNF± Are Sufficient to Mimic Retinal Regeneration by Inducing Müller Glial Proliferation to Generate Committed Progenitor Cells. <i>Journal of Neuroscience</i> , 2014, 34, 14403-14419.	1.7	121

#	ARTICLE	IF	CITATIONS
384	The Hormone Prolactin Is a Novel, Endogenous Trophic Factor Able to Regulate Reactive Glia and to Limit Retinal Degeneration. <i>Journal of Neuroscience</i> , 2014, 34, 1868-1878.	1.7	34
385	Intrinsically different retinal progenitor cells produce specific types of progeny. <i>Nature Reviews Neuroscience</i> , 2014, 15, 615-627.	4.9	302
386	Retinal neuroprotective effects of quercetin in streptozotocin-induced diabetic rats. <i>Experimental Eye Research</i> , 2014, 125, 193-202.	1.2	128
387	Dysregulation of neurotrophic and inflammatory systems accompanied by decreased CREB signaling in ischemic rat retina. <i>Experimental Eye Research</i> , 2014, 125, 156-163.	1.2	33
388	Immunolocalization of the P2X4 receptor on neurons and glia in the mammalian retina. <i>Neuroscience</i> , 2014, 277, 55-71.	1.1	26
389	Gap Junction-Mediated Death of Retinal Neurons Is Connexin and Insult Specific: A Potential Target for Neuroprotection. <i>Journal of Neuroscience</i> , 2014, 34, 10582-10591.	1.7	54
390	From Mechanosensitivity to Inflammatory Responses: New Players in the Pathology of Glaucoma. <i>Current Eye Research</i> , 2014, 39, 105-119.	0.7	146
391	Human dental pulp stem cells respond to cues from the rat retina and differentiate to express the retinal neuronal marker rhodopsin. <i>Neuroscience</i> , 2014, 280, 142-155.	1.1	44
392	Effects of arteriolar constriction on retinal gene expression and M μ ller cell responses in a rat model of branch retinal vein occlusion. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 257-265.	1.0	16
393	Abnormal glutamate metabolism in the retina of aquaporin 4 (AQP4) knockout mice upon light damage. <i>Neurological Sciences</i> , 2014, 35, 847-853.	0.9	20
394	Antibacterial responses of retinal M μ ller glia: production of antimicrobial peptides, oxidative burst and phagocytosis. <i>Journal of Neuroinflammation</i> , 2014, 11, 33.	3.1	36
395	Inner retinal preservation in rat models of retinal degeneration implanted with subretinal photovoltaic arrays. <i>Experimental Eye Research</i> , 2014, 128, 34-42.	1.2	8
396	Testing the effects of the dye Acid violet-17 on retinal function for an intraocular application in vitreo-retinal surgery. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 1927-1937.	1.0	11
397	Enhanced survival of retinal ganglion cells is mediated by M μ ller glial cell-derived PEDF. <i>Experimental Eye Research</i> , 2014, 127, 206-214.	1.2	37
398	Aquaporins in the eye: Expression, function, and roles in ocular disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1513-1523.	1.1	100
399	Short-term psychosocial stress protects photoreceptors from damage via corticosterone-mediated activation of the AKT pathway. <i>Experimental Neurology</i> , 2014, 252, 28-36.	2.0	14
400	Pseudocystic Foveal Cavitation in Tamoxifen Retinopathy. <i>American Journal of Ophthalmology</i> , 2014, 157, 1291-1298.e3.	1.7	67
401	High Glucose Alters Cx43 Expression and Gap Junction Intercellular Communication in Retinal M μ ller Cells: Promotes M μ ller Cell and Pericyte Apoptosis. , 2014, 55, 4327.		52

#	ARTICLE	IF	CITATIONS
402	Müller cell activation and photoreceptor depletion in a mice model of congenital ocular toxoplasmosis. <i>Experimental Parasitology</i> , 2014, 144, 22-26.	0.5	8
403	Specific tools for targeting and expression in Müller glial cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14009.	1.8	46
404	Effect of Müller cells on the survival and neuritogenesis in retinal ganglion cells. <i>Archivos De La Sociedad Espanola De Oftalmologia</i> , 2015, 90, 522-526.	0.1	7
405	Dysregulation of interphotoreceptor retinoid-binding protein (IRBP) after induced Müller cell disruption. <i>Journal of Neurochemistry</i> , 2015, 133, 909-918.	2.1	10
406	Using Adeno-associated Virus as a Tool to Study Retinal Barriers in Disease. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	6
407	Who let the dogs out?: detrimental role of Galectin-3 in hypoperfusion-induced retinal degeneration. <i>Journal of Neuroinflammation</i> , 2015, 12, 92.	3.1	26
408	Monomethyl fumarate promotes Nrf2-dependent neuroprotection in retinal ischemia-reperfusion. <i>Journal of Neuroinflammation</i> , 2015, 12, 239.	3.1	64
409	Adenovirus-mediated delivery of Factor H attenuates complement C3 induced pathology in the murine retina: a potential gene therapy for age-related macular degeneration. <i>Journal of Gene Medicine</i> , 2015, 17, 229-243.	1.4	17
410	IGF-1 Regulates the Extracellular Level of Active MMP-2 and Promotes Müller Glial Cell Motility. , 2015, 56, 6948.		18
411	Immunohistochemical Evaluation of Idiopathic Epiretinal Membranes and In Vitro Studies on the Effect of TGF- β^2 on Müller Cells. , 2015, 56, 6506.		47
412	Differential Expression of IL-6/gp130 Cytokines, Jak-STAT Signaling and Neuroprotection After Müller Cell Ablation in a Transgenic Mouse Model. , 2015, 56, 2151.		10
413	Inner retinal change in a novel rd1-FTL mouse model of retinal degeneration. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 293.	1.8	13
414	Astrocytes and Müller Cell Alterations During Retinal Degeneration in a Transgenic Rat Model of Retinitis Pigmentosa. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 484.	1.8	86
415	Fully Automatic Segmentation of Fluorescein Leakage in Subjects With Diabetic Macular Edema. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1482-1492.	3.3	68
416	Sphingosine-1-Phosphate Is a Crucial Signal for Migration of Retina Müller Glial Cells. , 2015, 56, 5808.		29
417	Aqueous Humor Biomarkers of Müller Cell Activation in Diabetic Eyes. , 2015, 56, 3913.		76
418	The Role of LOX and LOXL2 in the Pathogenesis of an Experimental Model of Choroidal Neovascularization. , 2015, 56, 5280.		24
419	The Effects of Sonic Hedgehog on Retinal Müller Cells Under High-Glucose Stress. , 2015, 56, 2773.		13

#	ARTICLE	IF	CITATIONS
420	Primary Retinal Cultures as a Tool for Modeling Diabetic Retinopathy: An Overview. <i>BioMed Research International</i> , 2015, 2015, 1-16.	0.9	20
421	Role of Glial Cells in Regulating Retinal Blood Flow During Flicker-Induced Hyperemia in Cats. , 2015, 56, 7551.		14
422	Assessment of Retinal Function and Morphology in Aging Ccl2 Knockout Mice. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1238-1252.	3.3	32
423	Retinal Vascular Layers in Macular Telangiectasia Type 2 Imaged by Optical Coherence Tomographic Angiography. <i>JAMA Ophthalmology</i> , 2015, 133, 66.	1.4	198
425	Glial cell regulation of neuronal activity and blood flow in the retina by release of gliotransmitters. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140195.	1.8	146
426	Intracellular spermine prevents acid-induced uncoupling of Cx43 gap junction channels. <i>NeuroReport</i> , 2015, 26, 528-532.	0.6	29
427	Inhibition of NOX1/4 with GKT137831: a potential novel treatment to attenuate neuroglial cell inflammation in the retina. <i>Journal of Neuroinflammation</i> , 2015, 12, 136.	3.1	65
428	Retinal development impairment and degenerative alterations in adult rats subjected to postnatal malnutrition. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 172-182.	0.7	5
429	Group I metabotropic glutamate receptor agonist DHPG modulates Kir4.1 protein and mRNA in cultured rat retinal Müller cells. <i>Neuroscience Letters</i> , 2015, 588, 12-17.	1.0	18
430	First Responders: Dynamics of Pre-Gliotic Müller Cell Responses in The Isolated Adult Rat Retina. <i>Current Eye Research</i> , 2015, 40, 1245-1260.	0.7	13
432	Chemical stimulation of rat retinal neurons: feasibility of an epiretinal neurotransmitter-based prosthesis. <i>Journal of Neural Engineering</i> , 2015, 12, 016010.	1.8	22
433	Cellular strategies for retinal repair by photoreceptor replacement. <i>Progress in Retinal and Eye Research</i> , 2015, 46, 31-66.	7.3	114
434	Involvement of nucleotides in glial growth following scratch injury in avian retinal cell monolayer cultures. <i>Purinergic Signalling</i> , 2015, 11, 183-201.	1.1	6
435	Characterizing spatial distributions of astrocytes in the mammalian retina. <i>Bioinformatics</i> , 2015, 31, 2024-2031.	1.8	19
436	A transient wave of BMP signaling in the retina is necessary for Müller glial differentiation. <i>Development (Cambridge)</i> , 2015, 142, 533-543.	1.2	28
437	Diacylglycerol Kinase (DGK) Inhibitor II (R59949) Could Suppress Retinal Neovascularization and Protect Retinal Astrocytes in an Oxygen-Induced Retinopathy Model. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 78-88.	1.1	19
438	Nonvesicular Release of ATP from Rat Retinal Glial (Müller) Cells is Differentially Mediated in Response to Osmotic Stress and Glutamate. <i>Neurochemical Research</i> , 2015, 40, 651-660.	1.6	30
439	Protein misfolding and the pathogenesis of ABCA4-associated retinal degenerations. <i>Human Molecular Genetics</i> , 2015, 24, 3220-3237.	1.4	69

#	ARTICLE	IF	CITATIONS
440	Preoperative findings and visual outcome associated with retinal reattachment surgery in dogs: 217 cases (275 eyes). <i>Veterinary Ophthalmology</i> , 2015, 18, 485-496.	0.6	13
441	Effect of adenosine and adenosine receptor antagonist on M μ 411er cell potassium channel in Rat chronic ocular hypertension models. <i>Scientific Reports</i> , 2015, 5, 11294.	1.6	11
442	Retinal Glia. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2015, 2, 1-644.	0.5	5
443	A novel method for co-culture with M μ 411er cells and microglia in rat retina in vitro. <i>Biomedical Reports</i> , 2015, 3, 25-27.	0.9	6
444	Vinpocetine modulates metabolic activity and function during retinal ischemia. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C737-C749.	2.1	13
445	Hedgehog-signaling stimulates the formation of proliferating M μ 411er glia-derived progenitor cells in the retina. <i>Development (Cambridge)</i> , 2015, 142, 2610-22.	1.2	58
446	Neuroprotective effect of memantine on the retinal ganglion cells of APP ^{swe} /PS1 ^{E9} mice and its immunomodulatory mechanisms. <i>Experimental Eye Research</i> , 2015, 135, 47-58.	1.2	46
447	Acute retinal injury and the relationship between nerve growth factor, Notch1 transcription and short-lived dedifferentiation transient changes of mammalian M μ 411er cells. <i>Vision Research</i> , 2015, 110, 107-117.	0.7	20
448	Carbamylated erythropoietin mediates retinal neuroprotection in streptozotocin-induced early-stage diabetic rats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1263-1272.	1.0	20
449	Assessment of retinal pigment epithelial cells in epiretinal membrane formation. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 370-373.	0.6	14
450	Upregulation of SYF2 Relates to Retinal Ganglion Cell Apoptosis and Retinal Glia Cell Proliferation After Light-Induced Retinal Damage. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 480-490.	1.1	7
451	En Face Optical Coherence Tomography of Foveal Microstructure in Full-Thickness Macular Hole: A Model to Study Perifoveal M μ 411er Cells. <i>American Journal of Ophthalmology</i> , 2015, 159, 1142-1151.e3.	1.7	52
452	The extracellular matrix compartment of neural stem and glial progenitor cells. <i>Glia</i> , 2015, 63, 1330-1349.	2.5	102
453	Regional Variations in Correlation between Photopic Negative Response of Focal Electoretinograms and Ganglion Cell Complex in Glaucoma. <i>Current Eye Research</i> , 2015, 40, 439-449.	0.7	30
454	Heterozygous modulation of TGF- β 2 signaling does not influence M μ 411er glia cell reactivity or proliferation following NMDA-induced damage. <i>Histochemistry and Cell Biology</i> , 2015, 144, 443-455.	0.8	21
455	Kernel regression based segmentation of optical coherence tomography images with diabetic macular edema. <i>Biomedical Optics Express</i> , 2015, 6, 1172.	1.5	265
456	TRPV4 links inflammatory signaling and neuroglial swelling. <i>Channels</i> , 2015, 9, 70-72.	1.5	23
457	Involvement of hydrogen sulfide in perivascular and hypoxia-induced inhibition of endothelin contraction in porcine retinal arterioles. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 50, 1-9.	1.2	7

#	ARTICLE	IF	CITATIONS
458	Pigment Epithelium-Derived Factor Regulates Glutamine Synthetase and γ -Glutamate/ γ -Aspartate Transporter in Retinas with Oxygen-induced Retinopathy. <i>Current Eye Research</i> , 2015, 40, 1232-1244.	0.7	12
459	Retinal functional alterations in mice lacking intermediate filament proteins glial fibrillary acidic protein and vimentin. <i>FASEB Journal</i> , 2015, 29, 4815-4828.	0.2	26
460	Müller glia provide essential tensile strength to the developing retina. <i>Journal of Cell Biology</i> , 2015, 210, 1075-1083.	2.3	99
461	A New CRB1 Rat Mutation Links Müller Glial Cells to Retinal Telangiectasia. <i>Journal of Neuroscience</i> , 2015, 35, 6093-6106.	1.7	54
462	Elevated vitreous body glial fibrillary acidic protein in retinal diseases. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 2181-2186.	1.0	26
463	Deficiency of aldose reductase attenuates inner retinal neuronal changes in a mouse model of retinopathy of prematurity. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1503-1513.	1.0	21
464	β -Adrenergic modulation of the glutamate receptor and transporter function in a chronic ocular hypertension model. <i>European Journal of Pharmacology</i> , 2015, 765, 274-283.	1.7	12
465	Dasatinib affects focal adhesion and myosin regulation to inhibit matrix contraction by Müller cells. <i>Experimental Eye Research</i> , 2015, 139, 90-96.	1.2	5
466	Increased expression of the proton-sensing G protein-coupled receptor Gpr65 during retinal degeneration. <i>Neuroscience</i> , 2015, 301, 496-507.	1.1	4
467	Efecto de las células de Müller en la supervivencia y neuritogénesis de las células ganglionares de la retina. <i>Archivos De La Sociedad Espanola De Oftalmología</i> , 2015, 90, 522-526.	0.1	20
468	Case report: successful closure of a large macular hole secondary to uveitis using the inverted internal limiting membrane flap technique. <i>BMC Ophthalmology</i> , 2015, 15, 83.	0.6	27
469	Remote Ischemic Preconditioning Protects Retinal Photoreceptors: Evidence From a Rat Model of Light-Induced Photoreceptor Degeneration. , 2016, 57, 5302.		18
470	<i>Sox2</i> -Deficient Müller Glia Disrupt the Structural and Functional Maturation of the Mammalian Retina. , 2016, 57, 1488.		21
471	Asymmetrical Functional Deficits of ON and OFF Retinal Processing in the mdx^{3Cv} Mouse Model of Duchenne Muscular Dystrophy. , 2016, 57, 5788.		13
472	Relationship Between Presumptive Inner Nuclear Layer Thickness and Geographic Atrophy Progression in Age-Related Macular Degeneration. , 2016, 57, OCT299.		21
473	Epiretinal Proliferation Associated with Macular Hole and Intraoperative Perifoveal Crown Phenomenon. <i>Korean Journal of Ophthalmology: KJO</i> , 2016, 30, 399.	0.5	25
474	Rapid, Dynamic Activation of Müller Glial Stem Cell Responses in Zebrafish. , 2016, 57, 5148.		74
475	DNA Damage Response in Proliferating Müller Glia in the Mammalian Retina. , 2016, 57, 1169.		21

#	ARTICLE	IF	CITATIONS
476	Two-Photon Autofluorescence Imaging Reveals Cellular Structures Throughout the Retina of the Living Primate Eye. , 2016, 57, 632.		56
477	Different Ipsi- and Contralateral Glial Responses to Anti-VEGF and Triamcinolone Intravitreal Injections in Rats. , 2016, 57, 3533.		27
478	Neuroprotective effects of memantine in the retina of glaucomatous rats: An electron microscopic study. Journal of Ophthalmic and Vision Research, 2016, 11, 174.	0.7	9
479	Glial Endothelin-1 Regulates Retinal Blood Flow During Hyperoxia in Cats. , 2016, 57, 4962.		10
480	Alterations to retinal architecture prior to photoreceptor loss in a mouse model of retinitis pigmentosa. International Journal of Developmental Biology, 2016, 60, 127-139.	0.3	37
481	PKC- η Regulates Thrombin-Induced Proliferation of Human M μ ller Glial Cells. , 2016, 57, 3769.		6
482	Early Functional and Morphologic Abnormalities in the Diabetic<i>Nyx</i> Mouse Retina. , 2016, 57, 3496.		18
483	Bioactive Glass Nanoparticles-Loaded Poly(ϵ -caprolactone) Nanofiber as Substrate for ARPE-19 Cells. Journal of Nanomaterials, 2016, 2016, 1-12.	1.5	11
484	Activated M μ ller Cells Involved in ATP-Induced Upregulation of P2X ₇ Receptor Expression and Retinal Ganglion Cell Death. BioMed Research International, 2016, 2016, 1-9.	0.9	8
485	Retinal Macroglial Responses in Health and Disease. BioMed Research International, 2016, 2016, 1-13.	0.9	133
486	α -Aminoadipic acid protects against retinal disruption through attenuating M μ ller cell gliosis in a rat model of acute ocular hypertension. Drug Design, Development and Therapy, 2016, Volume 10, 3449-3457.	2.0	4
487	Cellular Stress Response and Immune Signaling in Retinal Ischemiaâ€“Reperfusion Injury. Frontiers in Immunology, 2016, 7, 444.	2.2	68
488	Identification of Radial Glia Progenitors in the Developing and Adult Retina of Sharks. Frontiers in Neuroanatomy, 2016, 10, 65.	0.9	19
489	Retinal Remodeling and Metabolic Alterations in Human AMD. Frontiers in Cellular Neuroscience, 2016, 10, 103.	1.8	73
490	Oct4 Methylation-Mediated Silencing As an Epigenetic Barrier Preventing M μ ller Glia Dedifferentiation in a Murine Model of Retinal Injury. Frontiers in Neuroscience, 2016, 10, 523.	1.4	26
491	Retinal Morphology and Sensitivity Are Primarily Impaired in Eyes with Neuromyelitis Optica Spectrum Disorder (NMOSD). PLoS ONE, 2016, 11, e0167473.	1.1	7
492	Biomarkers for Diabetic Retinopathy â€“ Could Endothelin 2 Be Part of the Answer?. PLoS ONE, 2016, 11, e0160442.	1.1	10
493	Corticosteroids and the retina. Current Opinion in Neurology, 2016, 29, 49-54.	1.8	29

#	ARTICLE	IF	CITATIONS
494	CORRELATION OF OPTICAL COHERENCE TOMOGRAPHY AND MACULAR PIGMENT OPTICAL DENSITY MEASUREMENTS IN TYPE 2 IDIOPATHIC MACULAR TELANGIECTASIA. <i>Retina</i> , 2016, 36, 535-544.	1.0	4
495	miR-124* potentiates A-scl1-induced reprogramming of cultured Müller glia. <i>Glia</i> , 2016, 64, 743-762.	2.5	60
496	Neuroprotective therapies in glaucoma: I. Neurotrophic factor delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 240-254.	3.3	22
497	Increased steroidogenesis promotes early-onset and severe vision loss in females with OPA1 dominant optic atrophy. <i>Human Molecular Genetics</i> , 2016, 25, ddw117.	1.4	17
498	Müller glia as an important source of cytokines and inflammatory factors present in the gliotic retina during proliferative vitreoretinopathy. <i>Glia</i> , 2016, 64, 495-506.	2.5	100
499	In vitro biomechanical modulation of retinal detachment in a box. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 475-487.	1.0	6
500	Effects of IP3R2 Receptor Deletion in the Ischemic Mouse Retina. <i>Neurochemical Research</i> , 2016, 41, 677-686.	1.6	4
501	Amyloid β Peptide Induces Apoptosis Through P2X7 Cell Death Receptor in Retinal Cells: Modulation by Marine Omega-3 Fatty Acid DHA and EPA. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 368-381.	1.4	17
502	Subclinical primary retinal pathology in neuromyelitis optica spectrum disorder. <i>Journal of Neurology</i> , 2016, 263, 1343-1348.	1.8	67
503	Novelties in Diabetic Retinopathy. <i>Endocrine Development</i> , 2016, 31, 84-96.	1.3	25
504	Cre recombinase expression or topical tamoxifen treatment do not affect retinal structure and function, neuronal vulnerability or glial reactivity in the mouse eye. <i>Neuroscience</i> , 2016, 325, 188-201.	1.1	18
505	Intravitreal Injection of Interleukin-6 Leads to a Sprouting in the Retinotectal Pathway at Different Stages of Development. <i>NeuroImmunoModulation</i> , 2016, 23, 81-87.	0.9	6
506	Retinal ganglion cell death in glaucoma: Exploring the role of neuroinflammation. <i>European Journal of Pharmacology</i> , 2016, 787, 134-142.	1.7	89
507	Impaired Purinergic Regulation of the Glial (Müller) Cell Volume in the Retina of Transgenic Rats Expressing Defective Polycystin-2. <i>Neurochemical Research</i> , 2016, 41, 1784-1796.	1.6	10
508	Complimentary action: C1q increases ganglion cell survival in an in vitro model of retinal degeneration. <i>Journal of Neuroimmunology</i> , 2016, 298, 117-129.	1.1	3
509	Pharmacologic inhibition of reactive gliosis blocks TNF- α -mediated neuronal apoptosis. <i>Cell Death and Disease</i> , 2016, 7, e2386-e2386.	2.7	39
510	Involvement of P2X 7 receptors in retinal ganglion cell apoptosis induced by activated Müller cells. <i>Experimental Eye Research</i> , 2016, 153, 42-50.	1.2	32
511	Neuroprotective effects of antibodies on retinal ganglion cells in an adolescent retina organ culture. <i>Journal of Neurochemistry</i> , 2016, 139, 256-269.	2.1	26

#	ARTICLE	IF	CITATIONS
512	Müller glial cell-dependent regeneration of the neural retina: An overview across vertebrate model systems. <i>Developmental Dynamics</i> , 2016, 245, 727-738.	0.8	110
513	p75 ^{NTR} and Its Ligand ProNGF Activate Paracrine Mechanisms Etiological to the Vascular, Inflammatory, and Neurodegenerative Pathologies of Diabetic Retinopathy. <i>Journal of Neuroscience</i> , 2016, 36, 8826-8841.	1.7	58
514	Visual Acuity Is Correlated with the Area of the Foveal Avascular Zone in Diabetic Retinopathy and Retinal Vein Occlusion. <i>Ophthalmology</i> , 2016, 123, 2352-2367.	2.5	278
515	The importance of glial cells in the homeostasis of the retinal microenvironment and their pivotal role in the course of diabetic retinopathy. <i>Life Sciences</i> , 2016, 162, 54-59.	2.0	97
516	Salient features and management options of macular telangiectasia type 2: a review and update. <i>Expert Review of Ophthalmology</i> , 2016, 11, 429-441.	0.3	3
517	Characteristics of Müller glial cells in MNU-induced retinal degeneration. <i>Visual Neuroscience</i> , 2016, 33, E013.	0.5	5
518	Overexpression of Soluble Fas Ligand following Adeno-Associated Virus Gene Therapy Prevents Retinal Ganglion Cell Death in Chronic and Acute Murine Models of Glaucoma. <i>Journal of Immunology</i> , 2016, 197, 4626-4638.	0.4	43
519	RNCR3 knockdown inhibits diabetes mellitus-induced retinal reactive gliosis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 198-203.	1.0	37
521	Glia and glial polyamines. Role in brain function in health and disease. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 73-98.	0.3	18
522	Primary open-angle glaucoma. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16067.	18.1	319
523	The microRNA expression profile of mouse Müller glia in vivo and in vitro. <i>Scientific Reports</i> , 2016, 6, 35423.	1.6	49
524	Role of Purines in Müller Glia. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 518-533.	0.6	21
525	Differential expression of microRNAs in retinal vasculopathy caused by selective Müller cell disruption. <i>Scientific Reports</i> , 2016, 6, 28993.	1.6	23
526	Comparative study of the effect of low-dose versus high-dose aspirin on the retina of aged male albino rats. <i>Egyptian Journal of Histology</i> , 2016, 39, 269-280.	0.0	0
527	Changes in aquaporin-4 and Kir4.1 expression in rats with inherited retinal dystrophy. <i>Experimental Eye Research</i> , 2016, 148, 33-44.	1.2	11
528	Reticulon 4A/Nogo-A influences the distribution of Kir4.1 but is not essential for potassium conductance in retinal Müller glia. <i>Neuroscience Letters</i> , 2016, 627, 168-177.	1.0	4
529	Cannabinoid receptor agonists modulate calcium channels in rat retinal Müller cells. <i>Neuroscience</i> , 2016, 313, 213-224.	1.1	13
530	Alterations in glutamate cysteine ligase content in the retina of two retinitis pigmentosa animal models. <i>Free Radical Biology and Medicine</i> , 2016, 96, 245-254.	1.3	22

#	ARTICLE	IF	CITATIONS
531	Poly(ADP-Ribose) Polymerase-1 (PARP-1) Inhibitors Reduce Reactive Gliosis and Improve Angiostatin Levels in Retina of Diabetic Rats. <i>Neurochemical Research</i> , 2016, 41, 2526-2537.	1.6	31
532	Correlation of Histologic Features with In Vivo Imaging of Reticular Pseudodrusen. <i>Ophthalmology</i> , 2016, 123, 1320-1331.	2.5	107
533	The broad-spectrum chemokine inhibitor NR58-3.14.3 modulates macrophage-mediated inflammation in the diseased retina. <i>Journal of Neuroinflammation</i> , 2016, 13, 47.	3.1	35
534	Aquaporin 11, a regulator of water efflux at retinal Müller glial cell surface decreases concomitant with immune-mediated gliosis. <i>Journal of Neuroinflammation</i> , 2016, 13, 89.	3.1	17
535	Intravitreal administration of multipotent mesenchymal stromal cells triggers a cytoprotective microenvironment in the retina of diabetic mice. <i>Stem Cell Research and Therapy</i> , 2016, 7, 42.	2.4	94
536	Purinergic signaling in retinal degeneration and regeneration. <i>Neuropharmacology</i> , 2016, 104, 194-211.	2.0	67
537	Atoh7 promotes retinal Müller cell differentiation into retinal ganglion cells. <i>Cytotechnology</i> , 2016, 68, 267-277.	0.7	19
538	Fyn kinase genetic ablation causes structural abnormalities in mature retina and defective Müller cell function. <i>Molecular and Cellular Neurosciences</i> , 2016, 72, 91-100.	1.0	3
539	Macromolecular markers in normal human retina and applications to human retinal disease. <i>Experimental Eye Research</i> , 2016, 150, 135-148.	1.2	14
540	Ischemic regulation of brain-derived neurotrophic factor-mediated cell volume and TrkB expression in glial (Müller) and bipolar cells of the rat retina. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 497-503.	1.0	3
541	Angiopoietin 2 induces astrocyte apoptosis via $\alpha_5\beta_1$ -integrin signaling in diabetic retinopathy. <i>Cell Death and Disease</i> , 2016, 7, e2101-e2101.	2.7	58
542	Store-Operated Calcium Entry in Müller Glia Is Controlled by Synergistic Activation of TRPC and Orai Channels. <i>Journal of Neuroscience</i> , 2016, 36, 3184-3198.	1.7	53
543	Expression of Aquaporin-6 in Rat Retinal Ganglion Cells. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 965-970.	1.7	4
544	Inhibiting Matrix Metalloproteinase 3 Ameliorates Neuronal Loss in the Ganglion Cell Layer of Rats in Retinal Ischemia/Reperfusion. <i>Neurochemical Research</i> , 2016, 41, 1107-1118.	1.6	9
545	Epo inhibits the fibrosis and migration of Müller glial cells induced by TGF- β^2 and high glucose. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 881-890.	1.0	20
546	Reactive gliosis in the adult zebrafish retina. <i>Experimental Eye Research</i> , 2016, 143, 98-109.	1.2	83
547	IL-33 amplifies an innate immune response in the degenerating retina. <i>Journal of Experimental Medicine</i> , 2016, 213, 189-207.	4.2	68
548	The Retina. , 2016, , 105-142.		0

#	ARTICLE	IF	CITATIONS
549	Global metabolomics reveals metabolic dysregulation in ischemic retinopathy. <i>Metabolomics</i> , 2016, 12, 15.	1.4	80
550	Anti-angiogenic and anti-inflammatory effect of Magnolol in the oxygen-induced retinopathy model. <i>Inflammation Research</i> , 2016, 65, 81-93.	1.6	31
551	Ocular and Visual Physiology. , 2016, , .		19
552	The Proteome of Native Adult Müller Glial Cells From Murine Retina. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 462-480.	2.5	136
553	Connexin43 in retinal injury and disease. <i>Progress in Retinal and Eye Research</i> , 2016, 51, 41-68.	7.3	86
554	Glia-neuron interactions in the mammalian retina. <i>Progress in Retinal and Eye Research</i> , 2016, 51, 1-40.	7.3	593
555	Proliferative vitreoretinopathy: A new concept of disease pathogenesis and practical consequences. <i>Progress in Retinal and Eye Research</i> , 2016, 51, 125-155.	7.3	238
556	Intraretinal changes in the presence of epiretinal traction. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 31-38.	1.0	20
557	Müller glia reactivity follows retinal injury despite the absence of the glial fibrillary acidic protein gene in <i>Xenopus</i> . <i>Developmental Biology</i> , 2017, 426, 219-235.	0.9	26
558	TRPV4 Contributes to Resting Membrane Potential in Retinal Müller Cells: Implications in Cell Volume Regulation. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2302-2313.	1.2	17
559	Deletional tolerance prevents AQP4-directed autoimmunity in mice. <i>European Journal of Immunology</i> , 2017, 47, 458-469.	1.6	19
560	Ischemic optic neuropathy as a model of neurodegenerative disorder: A review of pathogenic mechanism of axonal degeneration and the role of neuroprotection. <i>Journal of the Neurological Sciences</i> , 2017, 375, 430-441.	0.3	27
561	Retinal biomarkers provide insight into cortical pharmacology and disease. , 2017, 175, 151-177.		34
562	Investigations into Retinal Pathology in the Early Stages of a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 655-675.	1.2	40
563	Biomarkers for glaucoma: from the lab to the clinic. <i>Eye</i> , 2017, 31, 225-231.	1.1	26
565	The natural retinoprotectant chrysophanol attenuated photoreceptor cell apoptosis in an N-methyl-N-nitrosourea-induced mouse model of retinal degeneration. <i>Scientific Reports</i> , 2017, 7, 41086.	1.6	24
566	The Role of Mitochondria, Oxidative Stress, and the Radical-binding Protein A1M in Cultured Porcine Retina. <i>Current Eye Research</i> , 2017, 42, 948-961.	0.7	8
567	Prospective purification and characterization of Müller glia in the mouse retina regeneration assay. <i>Glia</i> , 2017, 65, 828-847.	2.5	11

#	ARTICLE	IF	CITATIONS
568	Microstructural visual system changes in AQP4-antibody-seropositive NMOSD. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017, 4, e334.	3.1	128
569	Accelerated retinal aging in PACAP knock-out mice. <i>Neuroscience</i> , 2017, 348, 1-10.	1.1	26
570	Neurotransmitter-Regulated Regeneration in the Zebrafish Retina. <i>Stem Cell Reports</i> , 2017, 8, 831-842.	2.3	30
571	Immunocytochemical Profiling of Cultured Mouse Primary Retinal Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 223-239.	1.3	16
572	Ocular safety of Intravitreal Clindamycin Hydrochloride Released by PLGA Implants. <i>Pharmaceutical Research</i> , 2017, 34, 1083-1092.	1.7	10
573	Genome-wide analyses identify common variants associated with macular telangiectasia type 2. <i>Nature Genetics</i> , 2017, 49, 559-567.	9.4	105
574	Glucocorticoid-induced leucine zipper overexpression inhibits lipopolysaccharide-induced retinal inflammation in rats. <i>Experimental Eye Research</i> , 2017, 165, 151-163.	1.2	12
575	AAV- Nrf2 Promotes Protection and Recovery in Animal Models of Oxidative Stress. <i>Molecular Therapy</i> , 2017, 25, 765-779.	3.7	23
576	Evaluation of polyesteramide (PEA) and polyester (PLGA) microspheres as intravitreal drug delivery systems in albino rats. <i>Biomaterials</i> , 2017, 124, 157-168.	5.7	37
577	Aquaporins. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	20
578	Aquaporins in the Eye. <i>Advances in Experimental Medicine and Biology</i> , 2017, 969, 193-198.	0.8	10
579	Mitochondrial function in Müller cells - Does it matter?. <i>Mitochondrion</i> , 2017, 36, 43-51.	1.6	49
580	Lin28b stimulates the reprogramming of rat Müller glia to retinal progenitors. <i>Experimental Cell Research</i> , 2017, 352, 164-174.	1.2	12
581	Apigenin-7-diglucuronide protects retinas against bright light-induced photoreceptor degeneration through the inhibition of retinal oxidative stress and inflammation. <i>Brain Research</i> , 2017, 1663, 141-150.	1.1	16
582	Macular Edema of Choroidal Origin. <i>Developments in Ophthalmology</i> , 2017, 58, 202-219.	0.1	6
583	Emerging Insights into Pathogenesis. <i>Developments in Ophthalmology</i> , 2017, 60, 16-27.	0.1	27
584	Mechanisms of Retinal Damage after Ocular Alkali Burns. <i>American Journal of Pathology</i> , 2017, 187, 1327-1342.	1.9	59
585	Cellular stress response in human Müller cells (MIO-M1) after bevacizumab treatment. <i>Experimental Eye Research</i> , 2017, 160, 1-10.	1.2	8

#	ARTICLE	IF	CITATIONS
586	Insights into the Physiopathology of Inflammatory Macular Edema. <i>Developments in Ophthalmology</i> , 2017, 58, 168-177.	0.1	19
587	New elements in the interreceptor matrix: a comparative study of <i>Megavilli</i> and <i>Landolt's club</i> . <i>Microscopy Research and Technique</i> , 2017, 80, 525-529.	1.2	0
588	Expression of peptidylarginine deiminase 4 in an alkali injury model of retinal gliosis. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 134-139.	1.0	14
589	The pathology associated with diabetic retinopathy. <i>Vision Research</i> , 2017, 139, 7-14.	0.7	319
590	Involvement of the MEK-ERK/p38-CREB/c-fos signaling pathway in Kir channel inhibition-induced rat retinal Müller cell gliosis. <i>Scientific Reports</i> , 2017, 7, 1480.	1.6	23
591	The Retina of Asian and African Elephants: Comparison of Newborn and Adult. <i>Brain, Behavior and Evolution</i> , 2017, 89, 84-103.	0.9	7
592	Hydrogen peroxide modulates energy metabolism and oxidative stress in cultures of permanent human Müller cells. <i>Journal of Biophotonics</i> , 2017, 10, 1180-1188.	1.1	6
593	The link between morphology and complement in ocular disease. <i>Molecular Immunology</i> , 2017, 89, 84-99.	1.0	21
594	Loss of Function of P2X7 Receptor Scavenger Activity in Aging Mice. <i>American Journal of Pathology</i> , 2017, 187, 1670-1685.	1.9	34
595	Cholesterol metabolism and glaucoma: Modulation of Müller cell membrane organization by 24S-hydroxycholesterol. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 179-191.	1.5	15
596	Lasting Retinal Injury in a Mouse Model of Blast-Induced Trauma. <i>American Journal of Pathology</i> , 2017, 187, 1459-1472.	1.9	27
597	Retinal Microvasculature in Nonproliferative Diabetic Retinopathy: Automated Quantitative Optical Coherence Tomography Angiography Assessment. <i>Ophthalmic Research</i> , 2017, 58, 131-141.	1.0	31
598	NASA's Research Approach to the Visual Impairment Intracranial Pressure Risk., 2017, , 123-171.		0
599	Impaired vitreous composition and retinal pigment epithelium function in the FoxG1::LRP2 myopic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1242-1254.	1.8	19
600	<i>Lycium barbarum</i> polysaccharide extracts preserve retinal function and attenuate inner retinal neuronal damage in a mouse model of transient retinal ischaemia. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 717-729.	1.3	34
601	Suppression of SNARE-dependent exocytosis in retinal glial cells and its effect on ischemia-induced neurodegeneration. <i>Glia</i> , 2017, 65, 1059-1071.	2.5	17
602	Retinal Degeneration and Regeneration: Lessons From Fishes and Amphibians. <i>Current Pathobiology Reports</i> , 2017, 5, 67-78.	1.6	52
603	Col4a1 mutation generates vascular abnormalities correlated with neuronal damage in a mouse model of HANAC syndrome. <i>Neurobiology of Disease</i> , 2017, 100, 52-61.	2.1	9

#	ARTICLE	IF	CITATIONS
604	Absence of Alzheimer Disease Neuropathologic Changes in Eyes of Subjects With Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 376-383.	0.9	50
605	Macular cystic changes as predictive factor for the recurrence of macular oedema in branch retinal vein occlusion. <i>Acta Ophthalmologica</i> , 2017, 95, e592-e596.	0.6	7
606	Implication of VEGF and aquaporin 4 mediating Müller cell swelling to diabetic retinal edema. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1149-1157.	1.0	25
607	Lutein facilitates physiological revascularization in a mouse model of retinopathy of prematurity. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 529-538.	1.3	15
608	Pharmacokinetic aspects of retinal drug delivery. <i>Progress in Retinal and Eye Research</i> , 2017, 57, 134-185.	7.3	454
609	Hyaluronan as a promising excipient for ocular drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 113, 34-49.	2.0	47
610	Specific inhibition of TRPV4 enhances retinal ganglion cell survival in adult porcine retinal explants. <i>Experimental Eye Research</i> , 2017, 154, 10-21.	1.2	30
611	Feline Infectious Peritonitis: Immunohistochemical Features of Ocular Inflammation and the Distribution of Viral Antigens in Structures of the Eye. <i>Veterinary Pathology</i> , 2017, 54, 933-944.	0.8	22
612	Mechanisms of Müller glial cell morphogenesis. <i>Current Opinion in Neurobiology</i> , 2017, 47, 31-37.	2.0	25
613	Nitrosative Stress in the Rat Retina at the Onset of Streptozotocin-Induced Diabetes. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 2353-2363.	1.1	21
614	Photobiomodulation with 670Ånm light ameliorates Müller cell-mediated activation of microglia and macrophages in retinal degeneration. <i>Experimental Eye Research</i> , 2017, 165, 78-89.	1.2	18
615	Metabolomics of Diabetic Retinopathy. <i>Current Diabetes Reports</i> , 2017, 17, 102.	1.7	34
616	Tropism of engineered and evolved recombinant AAV serotypes in the rd1 mouse and ex vivo primate retina. <i>Gene Therapy</i> , 2017, 24, 787-800.	2.3	55
617	Müller cells and diabetic retinopathy. <i>Vision Research</i> , 2017, 139, 93-100.	0.7	207
618	Characteristics of retinal vessels in surgically closed macular hole: an optical coherence tomography angiography study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1923-1934.	1.0	20
619	Müller glia and phagocytosis of cell debris in retinal tissue. <i>Journal of Anatomy</i> , 2017, 231, 471-483.	0.9	55
620	Using Electrical Stimulation to Enhance the Efficacy of Cell Transplantation Therapies for Neurodegenerative Retinal Diseases: Concepts, Challenges, and Future Perspectives. <i>Cell Transplantation</i> , 2017, 26, 949-965.	1.2	12
621	Improved retinal function in RCS rats after suppressing the over-activation of mGluR5. <i>Scientific Reports</i> , 2017, 7, 3546.	1.6	17

#	ARTICLE	IF	CITATIONS
622	In vitro studies on nobletin isolated from citrus plants and the bioactive metabolites, inhibitory action against gelatinase enzymatic activity and the molecular mechanisms in human retinal M μ ller cell line. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 70-80.	2.5	11
623	Erythropoietin in diabetic retinopathy. <i>Vision Research</i> , 2017, 139, 237-242.	0.7	18
624	M μ ller Cell-Derived PEDF Mediates Neuroprotection via STAT3 Activation. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1411-1424.	1.1	25
625	M μ ller glial microRNAs are required for the maintenance of glial homeostasis and retinal architecture. <i>Nature Communications</i> , 2017, 8, 1603.	5.8	42
627	MIF Inhibitor ISO-1 Protects Photoreceptors and Reduces Gliosis in Experimental Retinal Detachment. <i>Scientific Reports</i> , 2017, 7, 14336.	1.6	14
628	Cell-cell communication in diabetic retinopathy. <i>Vision Research</i> , 2017, 139, 115-122.	0.7	36
629	Microglia activation is essential for BMP7-mediated retinal reactive gliosis. <i>Journal of Neuroinflammation</i> , 2017, 14, 76.	3.1	26
630	Melatonin delays photoreceptor degeneration in a mouse model of autosomal recessive retinitis pigmentosa. <i>Journal of Pineal Research</i> , 2017, 63, e12428.	3.4	26
631	Mesenchymal stem cells attenuate hydrogen peroxide-induced oxidative stress and enhance neuroprotective effects in retinal ganglion cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 328-335.	0.7	31
632	Comparative electrophysiology of retinal M μ ller glial cellsâ€”A survey on vertebrate species. <i>Glia</i> , 2017, 65, 533-568.	2.5	17
633	Carbon nanotube electrodes for retinal implants: A study of structural and functional integration over time. <i>Biomaterials</i> , 2017, 112, 108-121.	5.7	39
634	Immunohistochemical Localization of GFAP and Glutamate Regulatory Proteins in Chick Retina and Their Levels of Expressions in Altered Photoperiods. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 1029-1042.	1.7	5
635	The Regulation of Notch Signaling in Retinal Development and Regeneration. <i>Current Pathobiology Reports</i> , 2017, 5, 323-331.	1.6	31
636	In retinitis pigmentosa TrkC.T1-dependent vectorial Erk activity upregulates glial TNF- β , causing selective neuronal death. <i>Cell Death and Disease</i> , 2017, 8, 3222.	2.7	9
637	Mesenchymal marker expression is elevated in M μ ller cells exposed to high glucose and in animal models of diabetic retinopathy. <i>Oncotarget</i> , 2017, 8, 4582-4594.	0.8	27
638	Regulation of Stem Cell Properties of M μ ller Glia by JAK/STAT and MAPK Signaling in the Mammalian Retina. <i>Stem Cells International</i> , 2017, 2017, 1-15.	1.2	30
639	Viral Retinopathy in Experimental Models of Zika Infection. , 2017, 58, 4355.		50
640	High Glucose Induces Mitochondrial Dysfunction in Retinal M μ ller Cells: Implications for Diabetic Retinopathy. , 2017, 58, 2915.		83

#	ARTICLE	IF	CITATIONS
641	Local and Systemic Inflammatory Biomarkers of Diabetic Retinopathy: An Integrative Approach. , 2017, 58, BIO68.		103
642	Tumor Necrosis Factor Alpha (TNF- α) Disrupts Kir4.1 Channel Expression Resulting in M μ ller Cell Dysfunction in the Retina. , 2017, 58, 2473.		16
643	Autocrine and Paracrine Secretion of Vascular Endothelial Growth Factor in the Pre-Hypoxic Diabetic Retina. Current Diabetes Reviews, 2017, 13, 161-174.	0.6	14
644	Onset of microglial entry into developing quail retina coincides with increased expression of active caspase-3 and is mediated by extracellular ATP and UDP. PLoS ONE, 2017, 12, e0182450.	1.1	20
645	Opportunities for CRISPR/Cas9 Gene Editing in Retinal Regeneration Research. Frontiers in Cell and Developmental Biology, 2017, 5, 99.	1.8	13
646	Effects of Ranibizumab and Aflibercept on Human M μ ller Cells and Photoreceptors under Stress Conditions. International Journal of Molecular Sciences, 2017, 18, 533.	1.8	8
647	The G-Protein-Coupled Chemoattractant Receptor Fpr2 Exacerbates High Glucose-Mediated Proinflammatory Responses of M μ ller Glial Cells. Frontiers in Immunology, 2017, 8, 1852.	2.2	13
648	Early Events in Retinal Degeneration Caused by Rhodopsin Mutation or Pigment Epithelium Malfunction: Differences and Similarities. Frontiers in Neuroanatomy, 2017, 11, 14.	0.9	51
649	A Critical Analysis of the Available<i>In Vitro</i>and<i>Ex Vivo</i>Methods to Study Retinal Angiogenesis. Journal of Ophthalmology, 2017, 2017, 1-19.	0.6	32
650	Retinal Degeneration Triggers the Activation of YAP/TEAD in Reactive M μ ller Cells. , 2017, 58, 1941.		44
651	Tyrosine-mutated AAV2-mediated shRNA silencing of PTEN promotes axon regeneration of adult optic nerve. PLoS ONE, 2017, 12, e0174096.	1.1	21
652	Oroxylin A promotes retinal ganglion cell survival in a rat optic nerve crush model. PLoS ONE, 2017, 12, e0178584.	1.1	9
653	Anisotropic M μ ller glial scaffolding supports a multiplex lattice mosaic of photoreceptors in zebrafish retina. Neural Development, 2017, 12, 20.	1.1	29
654	Subretinal Glial Membranes in Eyes With Geographic Atrophy. , 2017, 58, 1352.		47
655	Organotypic Cultures of Adult Mouse Retina: Morphologic Changes and Gene Expression. , 2017, 58, 1930.		34
656	Conditional M μ ller Cell Ablation Leads to Retinal Iron Accumulation. , 2017, 58, 4223.		28
657	Rearing Light Intensity Affects Inner Retinal Pathology in a Mouse Model of X-Linked Retinoschisis but Does Not Alter Gene Therapy Outcome. , 2017, 58, 1656.		5
658	Microglia Activation and Recruitment of Circulating Macrophages During Ischemic Experimental Branch Retinal Vein Occlusion. , 2017, 58, 944.		48

#	ARTICLE	IF	CITATIONS
659	The Urokinase Receptor-Derived Peptide UPARANT Recovers Dysfunctional Electroretinogram and Bloodâ€“Retinal Barrier Leakage in a Rat Model of Diabetes. , 2017, 58, 3138.		14
660	Dopamine D1 receptorâ€“mediated upregulation of BK_{Ca} currents modifies MÃ¼ller cell gliosis in a rat chronic ocular hypertension model. <i>Glia</i> , 2018, 66, 1507-1519.	2.5	4
661	Essential Roles of Lactate in MÃ¼ller Cell Survival and Function. <i>Molecular Neurobiology</i> , 2018, 55, 9108-9121.	1.9	22
662	Cystoid edema, neovascularization and inflammatory processes in the murine Norrin-deficient retina. <i>Scientific Reports</i> , 2018, 8, 5970.	1.6	4
663	Regulation and function of neurogenesis in the adult mammalian hypothalamus. <i>Progress in Neurobiology</i> , 2018, 170, 53-66.	2.8	110
664	A Proteomics Approach to Identify Candidate Proteins Secreted by MÃ¼ller Glia that Protect Ganglion Cells in the Retina. <i>Proteomics</i> , 2018, 18, e1700321.	1.3	36
665	Retinal neuroinflammatory induced neuronal degeneration - Role of toll-like receptor-4 and relationship with gliosis. <i>Experimental Eye Research</i> , 2018, 169, 99-110.	1.2	14
666	Regionâ€“specific ischemia, neovascularization and macular oedema in treatmentâ€“naÃ“ve proliferative diabetic retinopathy. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 757-766.	1.3	22
667	Involvement of mGluR I in EphB/ephrinB reverse signaling activation induced retinal ganglion cell apoptosis in a rat chronic hypertension model. <i>Brain Research</i> , 2018, 1683, 27-35.	1.1	16
668	RBX2 maintains final retinal cell position in a DAB1-dependent and -independent fashion. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	13
669	Fenofibrate ameliorates diabetic retinopathy by modulating Nrf2 signaling and NLRP3 inflammasome activation. <i>Molecular and Cellular Biochemistry</i> , 2018, 445, 105-115.	1.4	71
670	Phenotypic characterization of P23H and S334ter rhodopsin transgenic rat models of inherited retinal degeneration. <i>Experimental Eye Research</i> , 2018, 167, 56-90.	1.2	72
671	Green tea extract attenuates LPS-induced retinal inflammation in rats. <i>Scientific Reports</i> , 2018, 8, 429.	1.6	37
672	Endothelin-2 Injures the Bloodâ€“Retinal Barrier and Macrogial MÃ¼ller Cells. <i>American Journal of Pathology</i> , 2018, 188, 805-817.	1.9	17
673	LncRNAs in genetic basis of glaucoma. <i>BMJ Open Ophthalmology</i> , 2018, 3, e000131.	0.8	15
674	Development of macular retinoschisis long after the onset of retinal arterial occlusion (RAO): a retrospective study. <i>BMC Ophthalmology</i> , 2018, 18, 59.	0.6	4
675	Increased endothelinâ€“mediated vasoconstriction after organ culture in rat and pig ocular arteries can be suppressed with MEK/ERK1/2 inhibitors. <i>Acta Ophthalmologica</i> , 2018, 96, e619-e625.	0.6	9
676	The primate fovea: Structure, function and development. <i>Progress in Retinal and Eye Research</i> , 2018, 66, 49-84.	7.3	221

#	ARTICLE	IF	CITATIONS
677	Re-programming immunosurveillance in persistent non-infectious ocular inflammation. <i>Progress in Retinal and Eye Research</i> , 2018, 65, 93-106.	7.3	10
678	Hyaluronic acid coated albumin nanoparticles for targeted peptide delivery in the treatment of retinal ischaemia. <i>Biomaterials</i> , 2018, 168, 10-23.	5.7	66
679	Time- and dose-related effects of amyloid beta1-40 on retina and optic nerve morphology in rats. <i>International Journal of Neuroscience</i> , 2018, 128, 952-965.	0.8	9
680	Light and the laboratory mouse. <i>Journal of Neuroscience Methods</i> , 2018, 300, 26-36.	1.3	152
681	Epigenetic control of early neurodegenerative events in diabetic retinopathy by the histone deacetylase <sc>SIRT</sc>6. <i>Journal of Neurochemistry</i> , 2018, 144, 128-138.	2.1	40
682	Microglial-induced MÃ¼ller cell gliosis is attenuated by progesterone in a mouse model of retinitis pigmentosa. <i>Glia</i> , 2018, 66, 295-310.	2.5	52
683	microRNA expression in the neural retina: Focus on MÃ¼ller glia. <i>Journal of Neuroscience Research</i> , 2018, 96, 362-370.	1.3	10
684	A Perspective on the MÃ¼ller Cell-Neuron Metabolic Partnership in the Inner Retina. <i>Molecular Neurobiology</i> , 2018, 55, 5353-5361.	1.9	28
685	miR-365 promotes diabetic retinopathy through inhibiting Timp3 and increasing oxidative stress. <i>Experimental Eye Research</i> , 2018, 168, 89-99.	1.2	49
686	Proliferative Cells Isolated from the Adult Human Peripheral Retina only Transiently Upregulate Key Retinal Markers upon Induced Differentiation. <i>Current Eye Research</i> , 2018, 43, 340-349.	0.7	6
687	Vanadium inhalation induces retinal MÃ¼ller glial cell (MGC) alterations in a murine model. <i>Cutaneous and Ocular Toxicology</i> , 2018, 37, 200-206.	0.5	4
688	Mechanisms of macular edema: Beyond the surface. <i>Progress in Retinal and Eye Research</i> , 2018, 63, 20-68.	7.3	422
690	CRISPR-mediated SOX9 knockout inhibits GFAP expression in retinal glial (MÃ¼ller) cells. <i>NeuroReport</i> , 2018, 29, 1504-1508.	0.6	13
691	Report on the National Eye Institute's Audacious Goals Initiative: Creating a Cellular Environment for Neuroregeneration. <i>ENeuro</i> , 2018, 5, ENEURO.0035-18.2018.	0.9	9
692	Characterization of retinal regeneration in adult zebrafish following multiple rounds of phototoxic lesion. <i>PeerJ</i> , 2018, 6, e5646.	0.9	35
693	Morphologic, Biomechanical, and Compositional Features of the Internal Limiting Membrane in Pathologic Myopic Foveoschisis. , 2018, 59, 5569.		20
694	Monocyte infiltration rather than microglia proliferation dominates the early immune response to rapid photoreceptor degeneration. <i>Journal of Neuroinflammation</i> , 2018, 15, 344.	3.1	46
695	Dexamethasone protects retinal ganglion cells but not MÃ¼ller glia against hyperglycemia in vitro. <i>PLoS ONE</i> , 2018, 13, e0207913.	1.1	22

#	ARTICLE	IF	CITATIONS
696	Research progress on the role of connective tissue growth factor in fibrosis of diabetic retinopathy. <i>International Journal of Ophthalmology</i> , 2018, 11, 1550-1554.	0.5	9
697	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
698	Intraretinal changes in idiopathic versus diabetic epiretinal membranes after macular peeling. <i>PLoS ONE</i> , 2018, 13, e0197065.	1.1	17
699	Search for the Source of the Retinal Relaxing Factor. <i>Current Eye Research</i> , 2018, 43, 1383-1388.	0.7	0
700	EphrinB/EphB forward signaling in M μ ller cells causes apoptosis of retinal ganglion cells by increasing tumor necrosis factor alpha production in rat experimental glaucomatous model. <i>Acta Neuropathologica Communications</i> , 2018, 6, 111.	2.4	27
701	Glial Cells in the Fish Retinal Nerve Fiber Layer Form Tight Junctions, Separating and Surrounding Axons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 367.	1.4	10
702	Principles of OCTA and Applications in Clinical Neurology. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 96.	2.0	50
703	The EYE-MI Pilot Study: A Prospective Acute Coronary Syndrome Cohort Evaluated With Retinal Optical Coherence Tomography Angiography. , 2018, 59, 4299.		75
704	Effect of Adenosine and Adenosine Receptor Antagonists on Retinal M μ ller Cell Inwardly Rectifying Potassium Channels under Exogenous Glutamate Stimulation. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	4
705	Protective effect of crocin against the declining of high spatial frequency-based visual performance in mice. <i>Journal of Functional Foods</i> , 2018, 49, 314-323.	1.6	9
706	New GABA modulators protect photoreceptor cells from light-induced degeneration in mouse models. <i>FASEB Journal</i> , 2018, 32, 3289-3300.	0.2	14
707	Biochemical and Functional Interplay Between Ion Channels and the Components of the Dystrophin-Associated Glycoprotein Complex. <i>Journal of Membrane Biology</i> , 2018, 251, 535-550.	1.0	22
708	A novel model of persistent retinal neovascularization for the development of sustained anti-VEGF therapies. <i>Experimental Eye Research</i> , 2018, 174, 98-106.	1.2	29
709	M μ ller Glia Reactivity and Development of Gliosis in Response to Pathological Conditions. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1074, 303-308.	0.8	36
710	Macular peeling-induced retinal damage: clinical and histopathological evaluation after using different dyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1573-1580.	1.0	17
711	Intravitreal administration of endothelin type A receptor or endothelin type B receptor antagonists attenuates hypertensive and diabetic retinopathy in rats. <i>Experimental Eye Research</i> , 2018, 176, 1-9.	1.2	9
712	Nogo-A inactivation improves visual plasticity and recovery after retinal injury. <i>Cell Death and Disease</i> , 2018, 9, 727.	2.7	11
713	Age-Related Macular Degeneration: New Paradigms for Treatment and Management of AMD. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	1.9	152

#	ARTICLE	IF	CITATIONS
714	Glia maturation factor- β ; a potential therapeutic target in neurodegeneration and neuroinflammation. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 495-504.	1.0	33
715	Systemic 7,8-Dihydroxyflavone Treatment Protects Immature Retinas Against Hypoxic-Ischemic Injury via Müller Glia Regeneration and MAPK/ERK Activation. , 2018, 59, 3124.		17
716	A Synthesized Glucocorticoid- Induced Leucine Zipper Peptide Inhibits Retinal Müller Cell Gliosis. <i>Frontiers in Pharmacology</i> , 2018, 9, 331.	1.6	16
717	Macular Pigment Distribution as Prognostic Marker for Disease Progression in Macular Telangiectasia Type 2. <i>American Journal of Ophthalmology</i> , 2018, 194, 163-169.	1.7	19
718	Peripapillary Retinoschisis in Glaucoma: Association With Progression and OCT Signs of Müller Cell Involvement. , 2018, 59, 2818.		32
719	Radial Hemorrhage in Henle Layer in Macular Telangiectasia Type 2. <i>JAMA Ophthalmology</i> , 2018, 136, 1182.	1.4	14
720	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 55.	0.9	22
721	Dynamic changes in microglial and macrophage characteristics during degeneration and regeneration of the zebrafish retina. <i>Journal of Neuroinflammation</i> , 2018, 15, 163.	3.1	101
722	Role of Inflammation in Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 942.	1.8	484
723	Electrophysiological characterization of Müller cells from the ischemic retina of mice deficient in the leukemia inhibitory factor. <i>Neuroscience Letters</i> , 2018, 670, 69-74.	1.0	5
724	A non-invasive nanoparticle mediated delivery of triamcinolone acetonide ameliorates diabetic retinopathy in rats. <i>Nanoscale</i> , 2018, 10, 16485-16498.	2.8	49
725	HISTOLOGY OF GEOGRAPHIC ATROPHY SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2018, 38, 1937-1953.	1.0	108
726	SPONTANEOUS CLOSURE OF MACULAR HOLE IN A PATIENT WITH MACULAR TELANGIECTASIA TYPE 2. <i>Retinal Cases and Brief Reports</i> , 2018, Publish Ahead of Print, 369-372.	0.3	8
727	Multiplexed CRISPR/Cas9 Targeting of Genes Implicated in Retinal Regeneration and Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 88.	1.8	19
728	Nrf2 Activation Is a Potential Therapeutic Approach to Attenuate Diabetic Retinopathy. , 2018, 59, 815.		58
729	Interleukin 4 Leads to Sustained Phosphorylation of the STAT6 and ERK Pathways in the Retina and Disrupts Subcortical Visual Circuitry in Rodents. <i>NeuroImmunoModulation</i> , 2018, 25, 96-102.	0.9	4
730	Müller glial dysfunction during diabetic retinopathy in rats is reduced by the acrolein-scavenging drug, 2-hydrazino-4,6-dimethylpyrimidine. <i>Diabetologia</i> , 2018, 61, 2654-2667.	2.9	39
731	Release of taurine and glutamate contributes to cell volume regulation in human retinal Müller cells: differences in modulation by calcium. <i>Journal of Neurophysiology</i> , 2018, 120, 973-984.	0.9	13

#	ARTICLE	IF	CITATIONS
732	Neuronal degeneration and associated alterations in cytokine and protein in an experimental branch retinal venous occlusion model. <i>Experimental Eye Research</i> , 2018, 174, 133-146.	1.2	10
733	Müller glial cells contribute to dim light vision in the spectacled caiman (<i>Caiman crocodilus fuscus</i>) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	1.2	20
734	Attenuation of Retinal Vascular Development in Neonatal Mice Subjected to Hypoxic-Ischemic Encephalopathy. <i>Scientific Reports</i> , 2018, 8, 9166.	1.6	13
735	Advanced glycation end (AGE) product modification of laminin downregulates Kir4.1 in retinal Müller cells. <i>PLoS ONE</i> , 2018, 13, e0193280.	1.1	17
736	Controlled microenvironments to evaluate chemotactic properties of cultured Müller glia. <i>Experimental Eye Research</i> , 2018, 173, 129-137.	1.2	14
737	Müller glia-derived PRSS56 is required to sustain ocular axial growth and prevent refractive error. <i>PLoS Genetics</i> , 2018, 14, e1007244.	1.5	35
738	Mediterranean Diet and Diabetic Retinopathy. , 2018, , 171-181.		0
739	Characterization of canonical Wnt signalling changes after induced disruption of Müller cell in murine retina. <i>Experimental Eye Research</i> , 2018, 175, 173-180.	1.2	9
740	No association between sleep apnoea and macular telangiectasia type 2 and its markers of severity and progression: a caseâ€“control study and retrospective cohort study. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 63-68.	1.3	2
741	LONG-TERM PROGNOSTIC FACTORS FOR VISUAL IMPROVEMENT AFTER EPIRETINAL MEMBRANE REMOVAL. <i>Retina</i> , 2019, 39, 1786-1793.	1.0	30
742	Carnosine decreases retinal ganglion cell death in a mouse model of optic nerve crushing. <i>Neuroscience Letters</i> , 2019, 711, 134431.	1.0	4
743	A Defective Crosstalk Between Neurons and Müller Glial Cells in the rd1 Retina Impairs the Regenerative Potential of Glial Stem Cells. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 334.	1.8	6
744	Saffron: A Multitask Neuroprotective Agent for Retinal Degenerative Diseases. <i>Antioxidants</i> , 2019, 8, 224.	2.2	34
745	Interleukin-6 (IL-6) mediates protection against glucose toxicity in human Müller cells via activation of VEGF-A signaling. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 227-232.	1.0	15
746	Betulinic acid derivatives can protect human Müller cells from glutamate-induced oxidative stress. <i>Experimental Cell Research</i> , 2019, 383, 111509.	1.2	11
747	Duloxetine protects against experimental diabetic retinopathy in mice through retinal GFAP downregulation and modulation of neurotrophic factors. <i>Experimental Eye Research</i> , 2019, 186, 107742.	1.2	23
748	Particle-Mediated Gene Transfection and Organotypic Culture of Postmortem Human Retina. <i>Translational Vision Science and Technology</i> , 2019, 8, 7.	1.1	6
749	Age-Related Changes in the Human Retina: A Role for Oxidative Stress. , 2019, , 127-148.		0

#	ARTICLE	IF	CITATIONS
750	Anti-apoptotic effect of interleukin-17 in a mouse model of oxygen-induced retinopathy. <i>Experimental Eye Research</i> , 2019, 187, 107743.	1.2	11
751	Development and characterization of an <i>in vitro</i> system of the human retina using cultured cell lines. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 1055-1062.	1.3	10
752	Matrix-metalloproteinase expression and gelatinase activity in the avian retina and their influence on MÄ¼ller glia proliferation. <i>Experimental Neurology</i> , 2019, 320, 112984.	2.0	24
753	Single-cell transcriptomic atlas of the human retina identifies cell types associated with age-related macular degeneration. <i>Nature Communications</i> , 2019, 10, 4902.	5.8	203
754	Epiretinal Proliferation Associated with Lamellar Hole or Macular Hole: Origin and Surgical Prognosis. <i>Korean Journal of Ophthalmology: KJO</i> , 2019, 33, 142.	0.5	18
755	Pluripotent Stem Cells in Eye Disease Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	4
756	Transcriptome and DNA Methylome Signatures Associated With Retinal MÄ¼ller Glia Development, Injury Response, and Aging. , 2019, 60, 4436.		13
757	Analysis of Hyperreflective Dots Within the Central Fovea in Healthy Eyes Using En Face Optical Coherence Tomography. , 2019, 60, 4451.		8
758	Intraocular VEGF deprivation induces degeneration and fibrogenic response in retina. <i>FASEB Journal</i> , 2019, 33, 13920-13934.	0.2	5
759	Optical coherence tomography (OCT) features of cystoid spaces in choroideremia (CHM). <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 2655-2663.	1.0	5
760	The miR-216a-Dot1l Regulatory Axis Is Necessary and Sufficient for MÄ¼ller Glia Reprogramming during Retina Regeneration. <i>Cell Reports</i> , 2019, 28, 2037-2047.e4.	2.9	24
761	<p>Macular edema associated with non-infectious uveitis: pathophysiology, etiology, prevalence, impact and management challenges</p>. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 1761-1777.	0.9	31
762	More than just Stem Cells: Functional Roles of the Transcription Factor Sox2 in Differentiated Glia and Neurons. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4540.	1.8	69
763	Eye organogenesis: A hierarchical view of ocular development. <i>Current Topics in Developmental Biology</i> , 2019, 132, 351-393.	1.0	71
764	Cone-to-MÄ¼ller cell ratio in the mammalian retina: A survey of seven mammals with different lifestyle. <i>Experimental Eye Research</i> , 2019, 181, 38-48.	1.2	17
765	Characterization of the novel spontaneously immortalized rat MÄ¼ller cell line SIRMu-1. <i>Experimental Eye Research</i> , 2019, 181, 127-135.	1.2	7
766	Inhibition of miRNA-21 promotes retinal ganglion cell survival and visual function by modulating MÄ¼ller cell gliosis after optic nerve crush. <i>Experimental Cell Research</i> , 2019, 375, 10-19.	1.2	14
767	TGF-Î²-SNAIL axis induces MÄ¼ller glial-mesenchymal transition in the pathogenesis of idiopathic epiretinal membrane. <i>Scientific Reports</i> , 2019, 9, 673.	1.6	34

#	ARTICLE	IF	CITATIONS
768	Behavior of Stem-Like Cells, Precursors for Tissue Regeneration in Urodela, Under Conditions of Microgravity. <i>Stem Cells and Development</i> , 2019, 28, 423-437.	1.1	12
769	Adult Stem Cells, Tools for Repairing the Retina. <i>Current Ophthalmology Reports</i> , 2019, 7, 21-29.	0.5	19
770	Aquaporin 4 Suppresses Neural Hyperactivity and Synaptic Fatigue and Fine-Tunes Neurotransmission to Regulate Visual Function in the Mouse Retina. <i>Molecular Neurobiology</i> , 2019, 56, 8124-8135.	1.9	14
771	Nerve growth factor promotes the proliferation of Müller cells co-cultured with internal limiting membrane by regulating cell cycle via Trk-A/PI3K/Akt pathway. <i>BMC Ophthalmology</i> , 2019, 19, 130.	0.6	14
772	Plasma metabolomic profiling of proliferative diabetic retinopathy. <i>Nutrition and Metabolism</i> , 2019, 16, 37.	1.3	52
773	Eye Drop Instillation of the Rac1 Modulator CNF1 Attenuates Retinal Gliosis and Ameliorates Visual Performance in a Rat Model of Hypertensive Retinopathy. <i>Neuroscience</i> , 2019, 411, 119-129.	1.1	3
774	Transfer of the Experimental Autoimmune Glaucoma Model from Rats to Mice—New Options to Study Glaucoma Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2563.	1.8	17
775	Loss of retinal ganglion cells in a new genetic mouse model for primary open-angle glaucoma. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5497-5507.	1.6	22
776	Idiopathic Macular Hole: A Comprehensive Review of Its Pathogenesis and of Advanced Studies on Metamorphopsia. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-8.	0.6	16
777	The future of canine glaucoma therapy. <i>Veterinary Ophthalmology</i> , 2019, 22, 726-740.	0.6	44
778	Linking YAP to Müller Glia Quiescence Exit in the Degenerative Retina. <i>Cell Reports</i> , 2019, 27, 1712-1725.e6.	2.9	75
779	The expression and function of TRPV4 channels in primate retinal ganglion cells and bipolar cells. <i>Cell Death and Disease</i> , 2019, 10, 364.	2.7	23
780	The Diurnal Rhythm of Insulin Receptor Substrate-1 (IRS-1) and Kir4.1 in Diabetes: Implications for a Clock Gene <i>Bmal1</i> . , 2019, 60, 1928.		12
781	Clinical outcomes with large macular holes using the tiled transplantation internal limiting membrane pedicle flap technique. <i>International Journal of Ophthalmology</i> , 2019, 12, 246-251.	0.5	6
782	Interleukin 22 ameliorates neuropathology and protects from central nervous system autoimmunity. <i>Journal of Autoimmunity</i> , 2019, 102, 65-76.	3.0	21
783	Early impairments in the retina of rats fed with high fructose/high fat diet are associated with glucose metabolism deregulation but not dyslipidaemia. <i>Scientific Reports</i> , 2019, 9, 5997.	1.6	10
784	Hyperhomocysteinemia-induced death of retinal ganglion cells: The role of Müller glial cells and NRF2. <i>Redox Biology</i> , 2019, 24, 101199.	3.9	38
785	Phenotypes of primary retinal macroglia: Implications for purification and culture conditions. <i>Experimental Eye Research</i> , 2019, 182, 85-92.	1.2	4

#	ARTICLE	IF	CITATIONS
786	Regeneration associated transcriptional signature of retinal microglia and macrophages. <i>Scientific Reports</i> , 2019, 9, 4768.	1.6	82
787	Dual Properties of Lactate in M μ ller Cells: The Effect of GPR81 Activation. , 2019, 60, 999.		19
788	Notoginsenoside R1 Ameliorates Diabetic Retinopathy through PINK1-Dependent Activation of Mitophagy. <i>Cells</i> , 2019, 8, 213.	1.8	85
789	Targeted deletion of Î²1â€šntrophin causes a loss of Kir 4.1 from M μ ller cell endfeet in mouse retina. <i>Glia</i> , 2019, 67, 1138-1149.	2.5	7
790	Serum Metabolomic Profiling Identifies Key Metabolic Signatures Associated With Pathogenesis of Alcoholic Liver Disease in Humans. <i>Hepatology Communications</i> , 2019, 3, 542-557.	2.0	41
791	Disruption of the polyubiquitin gene <i>Ubb</i> causes retinal degeneration in mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 35-40.	1.0	7
792	Retinal microglia signaling affects M μ ller cell behavior in the zebrafish following laser injury induction. <i>Glia</i> , 2019, 67, 1150-1166.	2.5	73
793	M μ ller cells as a target for retinal therapy. <i>Drug Discovery Today</i> , 2019, 24, 1483-1498.	3.2	48
794	Anatomy of the Human Optic Nerve: Structure and Function. , 0, , .		10
795	Structure and function of the bird fovea. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2019, 48, 177-200.	0.3	41
796	Resident Immunity in Tissue Repair and Maintenance: The Zebrafish Model Coming of Age. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 12.	1.8	28
797	Organotypic Culture of Adult Mouse Retina. <i>Methods in Molecular Biology</i> , 2019, 1940, 181-191.	0.4	10
798	The agonistic TSPO ligand XBD173 attenuates the glial response thereby protecting inner retinal neurons in a murine model of retinal ischemia. <i>Journal of Neuroinflammation</i> , 2019, 16, 43.	3.1	35
799	Potassium channels and their role in glioma: A mini review. <i>Molecular Membrane Biology</i> , 2019, 35, 76-85.	2.0	19
800	Porous poly(Î¼-caprolactone) implants: A novel strategy for efficient intraocular drug delivery. <i>Journal of Controlled Release</i> , 2019, 316, 331-348.	4.8	50
801	Volume sensing in the transient receptor potential vanilloid 4 ion channel is cell typeâ€šspecific and mediated by an N-terminal volume-sensing domain. <i>Journal of Biological Chemistry</i> , 2019, 294, 18421-18434.	1.6	26
802	Role of Inflammation in Classification of Diabetic Macular Edema by Optical Coherence Tomography. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-8.	1.0	47
803	IL-33 deficiency causes persistent inflammation and severe neurodegeneration in retinal detachment. <i>Journal of Neuroinflammation</i> , 2019, 16, 251.	3.1	34

#	ARTICLE	IF	CITATIONS
804	The Proinflammatory and Proangiogenic Macrophage Migration Inhibitory Factor Is a Potential Regulator in Proliferative Diabetic Retinopathy. <i>Frontiers in Immunology</i> , 2019, 10, 2752.	2.2	50
805	The CD40-ATP-P2X7 Receptor Pathway: Cell to Cell Cross-Talk to Promote Inflammation and Programmed Cell Death of Endothelial Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2958.	2.2	25
806	Differentiation of Retinal Glial Cells From Human Embryonic Stem Cells by Promoting the Notch Signaling Pathway. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 527.	1.8	13
807	Accelerated accumulation of retinal α -synuclein (pSer129) and tau, neuroinflammation, and autophagic dysregulation in a seeded mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2019, 121, 1-16.	2.1	41
808	Alpha 2-Adrenergic Receptor Agonist Brimonidine Stimulates ERK1/2 and AKT Signaling via Transactivation of EGF Receptors in the Human MIO-M1 Müller Cell Line. <i>Current Eye Research</i> , 2019, 44, 34-45.	0.7	4
809	Müller cells in pathological retinal angiogenesis. <i>Translational Research</i> , 2019, 207, 96-106.	2.2	20
810	Pulling and Tugging on the Retina: Mechanical Impact of Glaucoma Beyond the Optic Nerve Head. , 2019, 60, 26.		33
811	Transplantation of photoreceptors into the degenerative retina: Current state and future perspectives. <i>Progress in Retinal and Eye Research</i> , 2019, 69, 1-37.	7.3	130
812	Müller Cells Derived from Adult Chicken and Mouse Retina Neurospheres Acquire the Dopaminergic Phenotype. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 99-109.	1.7	3
813	Loss of X-box binding protein 1 in Müller cells augments retinal inflammation in a mouse model of diabetes. <i>Diabetologia</i> , 2019, 62, 531-543.	2.9	28
814	Swept source optical coherence tomography analysis of choroidal thickness in macular telangiectasia type 2: a case-control study. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 567-573.	1.0	3
815	Differential expression of cyclin-dependent kinases in the adult human retina in relation to CDK inhibitor retinotoxicity. <i>Archives of Toxicology</i> , 2019, 93, 659-671.	1.9	6
816	Extensive growth is followed by neurodegenerative pathology in the continuously expanding adult zebrafish retina. <i>Biogerontology</i> , 2019, 20, 109-125.	2.0	17
817	Retinal glial changes in Alzheimer's disease – A review. <i>Journal of Optometry</i> , 2019, 12, 198-207.	0.7	28
818	Vascular anatomy and its relationship to pathology in retinoschisis. <i>Eye</i> , 2019, 33, 693-694.	1.1	3
819	Macular Thickness and Mesopic Visual Acuity in Healthy Older Subjects. <i>Current Eye Research</i> , 2019, 44, 82-88.	0.7	9
820	Loss of CRB2 in Müller glial cells modifies a CRB1-associated retinitis pigmentosa phenotype into a Leber congenital amaurosis phenotype. <i>Human Molecular Genetics</i> , 2019, 28, 105-123.	1.4	29
821	EVALUATION OF OBSTRUCTIVE SLEEP APNEA SYNDROME AS A RISK FACTOR FOR DIABETIC MACULAR EDEMA IN PATIENTS WITH TYPE II DIABETES. <i>Retina</i> , 2019, 39, 274-280.	1.0	23

#	ARTICLE	IF	CITATIONS
822	Excess homocysteine upregulates the NRF2-antioxidant pathway in retinal Müller glial cells. <i>Experimental Eye Research</i> , 2019, 178, 228-237.	1.2	28
823	DEXAMETHASONE IMPLANT FOR DIABETIC MACULAR EDEMA IN NAIVE COMPARED WITH REFRACTORY EYES. <i>Retina</i> , 2019, 39, 44-51.	1.0	130
824	Pathophysiology of primary open-angle glaucoma from a neuroinflammatory and neurotoxicity perspective: a review of the literature. <i>International Ophthalmology</i> , 2019, 39, 259-271.	0.6	102
825	CHANGES OF AQUEOUS HUMOR MÜLLER CELLS' BIOMARKERS IN HUMAN PATIENTS AFFECTED BY DIABETIC MACULAR EDEMA AFTER SUBTHRESHOLD MICROPULSE LASER TREATMENT. <i>Retina</i> , 2020, 40, 126-134.	1.0	42
826	Diabetic macular edema with neuroretinal detachment: OCT and OCT-angiography biomarkers of treatment response to anti-VEGF and steroids. <i>Acta Diabetologica</i> , 2020, 57, 287-296.	1.2	74
827	Rebuilding the Retina: Prospects for Müller Glial-mediated Self-repair. <i>Current Eye Research</i> , 2020, 45, 349-360.	0.7	18
828	Clarin-1 expression in adult mouse and human retina highlights a role of Müller glia in Usher syndrome. <i>Journal of Pathology</i> , 2020, 250, 195-204.	2.1	15
829	Disorganization of retinal inner layers as a biomarker in patients with diabetic macular oedema treated with dexamethasone implant. <i>Acta Ophthalmologica</i> , 2020, 98, e217-e223.	0.6	75
830	Interleukin-11 Overexpression and M2 Macrophage Density are Associated with Angiogenic Activity in Proliferative Diabetic Retinopathy. <i>Ocular Immunology and Inflammation</i> , 2020, 28, 575-588.	1.0	22
831	Change in phospholipid species of retinal layer in traumatic optic neuropathy model. <i>Journal of Neuroscience Research</i> , 2020, 98, 325-337.	1.3	5
832	Potential of Müller Glia for Retina Neuroprotection. <i>Current Eye Research</i> , 2020, 45, 339-348.	0.7	38
833	Galectin-1 studies in proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2020, 98, e1-e12.	0.6	17
834	Physiological assessment of high glucose neurotoxicity in mouse and rat retinal explants. <i>Journal of Comparative Neurology</i> , 2020, 528, 989-1002.	0.9	15
835	Prolactin mitigates deficiencies of retinal function associated with aging. <i>Neurobiology of Aging</i> , 2020, 85, 38-48.	1.5	8
836	Interpretation of OCT and OCTA images from a histological approach: Clinical and experimental implications. <i>Progress in Retinal and Eye Research</i> , 2020, 77, 100828.	7.3	77
837	Lactate: More Than Merely a Metabolic Waste Product in the Inner Retina. <i>Molecular Neurobiology</i> , 2020, 57, 2021-2037.	1.9	24
838	Midkine- α Is Required for Cell Cycle Progression of Müller Glia during Neuronal Regeneration in the Vertebrate Retina. <i>Journal of Neuroscience</i> , 2020, 40, 1232-1247.	1.7	30
839	Histopathological Changes and Clinical Outcomes following Intervention for Sub-Internal Limiting Membrane Haemorrhage. <i>Ophthalmologica</i> , 2020, 243, 217-223.	1.0	6

#	ARTICLE	IF	CITATIONS
840	Neuroprotective effects of DAAO are mediated via the ERK1/2 signaling pathway in a glaucomatous animal model. <i>Experimental Eye Research</i> , 2020, 190, 107892.	1.2	11
841	OPTICAL COHERENCE TOMOGRAPHY PREDICTORS OF SHORT-TERM VISUAL ACUITY IN EYES WITH MACULAR EDEMA SECONDARY TO RETINAL VEIN OCCLUSION TREATED WITH INTRAVITREAL CONBERCEPT. <i>Retina</i> , 2020, 40, 773-785.	1.0	22
842	EN FACE OPTICAL COHERENCE TOMOGRAPHY AND OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF INNER RETINAL DIMPLES AFTER INTERNAL LIMITING MEMBRANE PEELING FOR FULL-THICKNESS MACULAR HOLES. <i>Retina</i> , 2020, 40, 557-566.	1.0	16
843	COMPARISON OF INTRAVITREAL DEXAMETHASONE IMPLANT AND AFLIBERCEPT IN PATIENTS WITH TREATMENT-NAIVE DIABETIC MACULAR EDEMA WITH SEROUS RETINAL DETACHMENT. <i>Retina</i> , 2020, 40, 1044-1052.	1.0	23
844	Retinal morphology in <i>Astyanax mexicanus</i> during eye degeneration. <i>Journal of Comparative Neurology</i> , 2020, 528, 1523-1534.	0.9	6
845	Synthetic Glucocorticoid-Induced Leucine Zipper Peptide Inhibits Lipopolysaccharide-Induced Ocular Inflammation in Rats. <i>Ophthalmic Research</i> , 2020, 63, 434-442.	1.0	5
846	Preparing a Single Cell Suspension from Zebrafish Retinal Tissue for Flow Cytometric Cell Sorting of M μ ller Glia. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 638-646.	1.1	5
847	The peroxisome proliferator-activated receptor- γ antagonist GSK0660 mitigates retinal cell inflammation and leukostasis. <i>Experimental Eye Research</i> , 2020, 190, 107885.	1.2	14
848	M μ ller cells derived neurotrophin-3 inhibits hypoxia-induced photoreceptor apoptosis via the TrkC/ERK pathway. <i>Cytotechnology</i> , 2020, 72, 47-56.	0.7	5
849	Neuroinflammation in Primary Open-Angle Glaucoma. <i>Journal of Clinical Medicine</i> , 2020, 9, 3172.	1.0	42
850	Tumor necrosis factor-alpha aggravates gliosis and inflammation of activated retinal M μ ller cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 383-389.	1.0	19
851	Comparative effects of commonly used intraocular dyes on the viability of human retina M μ ller cells. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110790.	2.5	7
852	Inflammation in Glaucoma: From the back to the front of the eye, and beyond. <i>Progress in Retinal and Eye Research</i> , 2021, 83, 100916.	7.3	183
853	Optical coherence tomographic features of macular telangiectasia type 2: Korean Macular Telangiectasia Type 2 Study Report No. 1. <i>Scientific Reports</i> , 2020, 10, 16594.	1.6	16
854	Oxidative stress in the retina and retinal pigment epithelium (RPE): Role of aging, and DJ-1. <i>Redox Biology</i> , 2020, 37, 101623.	3.9	36
855	Cell Development Deficiency and Gene Expression Dysregulation of Trisomy 21 Retina Revealed by Single-Nucleus RNA Sequencing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 564057.	2.0	2
856	Potential Endogenous Cell Sources for Retinal Regeneration in Vertebrates and Humans: Progenitor Traits and Specialization. <i>Biomedicines</i> , 2020, 8, 208.	1.4	10
857	Comparative lipidomic analysis of mammalian retinal ganglion cells and M μ ller glia in situ and in vitro using High-Resolution Imaging Mass Spectrometry. <i>Scientific Reports</i> , 2020, 10, 20053.	1.6	14

#	ARTICLE	IF	CITATIONS
858	A Comparison of the Primary Sensory Neurons Used in Olfaction and Vision. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 595523.	1.8	10
859	High-Glucose-Induced Rab20 Upregulation Disrupts Gap Junction Intercellular Communication and Promotes Apoptosis in Retinal Endothelial and M μ ller Cells: Implications for Diabetic Retinopathy. <i>Journal of Clinical Medicine</i> , 2020, 9, 3710.	1.0	9
860	Acrolein: A Potential Mediator of Oxidative Damage in Diabetic Retinopathy. <i>Biomolecules</i> , 2020, 10, 1579.	1.8	22
861	Label-free adaptive optics imaging of human retinal macrophage distribution and dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30661-30669.	3.3	50
862	Photoreceptors Degenerate Through Pyroptosis After Experimental Retinal Detachment. , 2020, 61, 31.		11
863	Blockade of Adenosine A _{2A} Receptor Protects Photoreceptors after Retinal Detachment by Inhibiting Inflammation and Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	13
864	Safety Profile of Slit-Lamp-Delivered Retinal Laser Photobiomodulation. <i>Translational Vision Science and Technology</i> , 2020, 9, 22.	1.1	4
865	Fluoride Exposure Affects Glutamine Uptake in M μ ller Glia Cells. <i>Neurotoxicity Research</i> , 2020, 38, 765-774.	1.3	4
866	Activated ephrinA3/EphA4 forward signaling induces retinal ganglion cell apoptosis in experimental glaucoma. <i>Neuropharmacology</i> , 2020, 178, 108228.	2.0	10
867	CNTF Prevents Development of Outer Retinal Neovascularization Through Upregulation of CxCl10. , 2020, 61, 20.		12
868	Induction of a proliferative response in the zebrafish retina by injection of extracellular vesicles. <i>Experimental Eye Research</i> , 2020, 200, 108254.	1.2	8
869	Plasma Rich in Growth Factors Enhances Cell Survival after in Situ Retinal Degeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7442.	1.8	3
870	VEGF-B Is an Autocrine Gliotrophic Factor for M μ ller Cells under Pathologic Conditions. , 2020, 61, 35.		13
871	<p>Evaluation of Vision-Related Quality of Life after Autologous Internal Limitingâ€Membrane Transplantation for Refractory Macular Holes</p>. <i>Clinical Ophthalmology</i> , 2020, Volume 14, 2079-2085.	0.9	2
872	Evidence of subclinical quantitative retinal layer abnormalities in AQP4-IgG seropositive NMOSD. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1738-1748.	1.4	19
873	Microfluidic and Microscale Assays to Examine Regenerative Strategies in the Neuro Retina. <i>Micromachines</i> , 2020, 11, 1089.	1.4	6
874	Bioinformatic analysis and functional predictions of selected regeneration-associated transcripts expressed by zebrafish microglia. <i>BMC Genomics</i> , 2020, 21, 870.	1.2	5
875	Metabolic Dysregulation and Neurovascular Dysfunction in Diabetic Retinopathy. <i>Antioxidants</i> , 2020, 9, 1244.	2.2	37

#	ARTICLE	IF	CITATIONS
876	Elovl2 Is Required for Robust Visual Function in Zebrafish. <i>Cells</i> , 2020, 9, 2583.	1.8	7
877	Cellular Changes in Retinas From Patients With BEST1 Mutations. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573330.	1.8	2
878	Association between central retinal thickness and low luminance visual acuity in early age-related macular degeneration. <i>European Journal of Ophthalmology</i> , 2020, 31, 112067212096874.	0.7	2
879	Metabolic Syndrome Triggered by Fructose Diet Impairs Neuronal Function and Vascular Integrity in ApoE-KO Mouse Retinas: Implications of Autophagy Deficient Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573987.	1.8	8
880	Hyperreflective Stress Lines and Macular Holes. , 2020, 61, 50.		17
881	Increased Glial Fibrillary Acid Protein and Vimentin in Vitreous Fluid as a Biomarker for Proliferative Vitreoretinopathy. , 2020, 61, 22.		15
882	Role of GUCA1C in Primary Congenital Glaucoma and in the Retina: Functional Evaluation in Zebrafish. <i>Genes</i> , 2020, 11, 550.	1.0	10
883	Eyeing the Extracellular Matrix in Vascular Development and Microvascular Diseases and Bridging the Divide between Vascular Mechanics and Function. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3487.	1.8	13
884	Employing Nanostructured Scaffolds to Investigate the Mechanical Properties of Adult Mammalian Retinae Under Tension. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3889.	1.8	1
885	The Area and Number of Intraretinal Cystoid Spaces Predict the Visual Outcome after Ranibizumab Monotherapy in Diabetic Macular Edema. <i>Journal of Clinical Medicine</i> , 2020, 9, 1391.	1.0	13
886	Outer retinal involvement in <i>N-methyl-D-aspartate</i>-induced inner retinal injury in rabbits assessed by optical coherence tomography. <i>Journal of Toxicological Sciences</i> , 2020, 45, 261-269.	0.7	2
887	Midkine-a functions as a universal regulator of proliferation during epimorphic regeneration in adult zebrafish. <i>PLoS ONE</i> , 2020, 15, e0232308.	1.1	12
888	Metformin Corrects Abnormal Circadian Rhythm and Kir4.1 Channels in Diabetes. , 2020, 61, 46.		23
889	Effects of Cord Blood Serum (CBS) on viability of retinal Müller glial cells under in vitro injury. <i>PLoS ONE</i> , 2020, 15, e0234145.	1.1	7
890	Optical coherence tomography reveals light-dependent retinal responses in Alzheimer's disease. <i>NeuroImage</i> , 2020, 219, 117022.	2.1	11
891	Liraglutide Up-regulation Thioredoxin Attenuated Müller Cells Apoptosis in High Glucose by Regulating Oxidative Stress and Endoplasmic Reticulum Stress. <i>Current Eye Research</i> , 2020, 45, 1283-1291.	0.7	8
892	Effects of age on retinal macrophage responses to acute elevation of intraocular pressure. <i>Experimental Eye Research</i> , 2020, 193, 107995.	1.2	3
893	Hyperoxia induces glutamine-fuelled anaplerosis in retinal Müller cells. <i>Nature Communications</i> , 2020, 11, 1277.	5.8	20

#	ARTICLE	IF	CITATIONS
894	Focused ultrasound as a novel strategy for noninvasive gene delivery to retinal Müller glia. <i>Theranostics</i> , 2020, 10, 2982-2999.	4.6	19
895	Changes in the Inner Retinal Cells after Intense and Constant Light Exposure in Sprague-Dawley Rats. <i>Photochemistry and Photobiology</i> , 2020, 96, 1061-1073.	1.3	7
896	High Glucose-Induced TRPC6 Channel Activation Decreases Glutamate Uptake in Rat Retinal Müller Cells. <i>Frontiers in Pharmacology</i> , 2020, 10, 1668.	1.6	18
897	Glaucoma: A Degenerative Optic Neuropathy Related to Neuroinflammation?. <i>Cells</i> , 2020, 9, 535.	1.8	59
898	Nutritional and medical food therapies for diabetic retinopathy. <i>Eye and Vision (London, England)</i> , 2020, 7, 33.	1.4	41
899	Altered fovea in AQP4-IgG-seropositive neuromyelitis optica spectrum disorders. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2020, 7, .	3.1	50
900	Regulation of Spermine Oxidase through Hypoxia-Inducible Factor-1 β Signaling in Retinal Glial Cells under Hypoxic Conditions. , 2020, 61, 52.		14
902	Inflammation and matrix metalloproteinase 9 (Mmp β 9) regulate photoreceptor regeneration in adult zebrafish. <i>Glia</i> , 2020, 68, 1445-1465.	2.5	73
903	Exposure to Crude Oil Induces Retinal Apoptosis and Impairs Visual Function in Fish. <i>Environmental Science & Technology</i> , 2020, 54, 2843-2850.	4.6	47
904	Modulation of Post-Traumatic Immune Response Using the IL-1 Receptor Antagonist Anakinra for Improved Visual Outcomes. <i>Journal of Neurotrauma</i> , 2020, 37, 1463-1480.	1.7	21
905	Visualization of the Retina in Intact Eyes of Mice and Ferrets Using a Tissue Clearing Method. <i>Translational Vision Science and Technology</i> , 2020, 9, 1.	1.1	9
906	Optimization of a Method to Isolate and Culture Adult Porcine, Rats and Mice Müller Glia in Order to Study Retinal Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 7.	1.8	18
907	Keep an eye on adenosine: Its role in retinal inflammation. , 2020, 210, 107513.		34
908	Norrin Protects Retinal Ganglion Cells from Excitotoxic Damage via the Induction of Leukemia Inhibitory Factor. <i>Cells</i> , 2020, 9, 277.	1.8	5
909	Bone marrow mesenchymal stem cells enhance autophagy and help protect cells under hypoxic and retinal detachment conditions. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3346-3358.	1.6	13
910	Phosphatidylserine recognition and Rac1 activation are required for Müller glia proliferation, gliosis and phagocytosis after retinal injury. <i>Scientific Reports</i> , 2020, 10, 1488.	1.6	32
911	Reprogramming Müller Glia to Regenerate Retinal Neurons. <i>Annual Review of Vision Science</i> , 2020, 6, 171-193.	2.3	105
912	Saffron Shifts the Degenerative and Inflammatory Phenotype in Photoreceptor Degeneration. , 2020, , 163-176.		0

#	ARTICLE	IF	CITATIONS
913	Experimental Study Using Multiple Strains of Prion Disease in Cattle Reveals an Inverse Relationship between Incubation Time and Misfolded Prion Accumulation, Neuroinflammation, and Autophagy. <i>American Journal of Pathology</i> , 2020, 190, 1461-1473.	1.9	4
914	Contribution of platelet-derived growth factor signaling to retina regeneration in zebrafish. <i>Neuroscience Letters</i> , 2020, 727, 134930.	1.0	10
915	Premacular Cells as Source of Neurotrophic Factors in Idiopathic Macular Holes. <i>Current Eye Research</i> , 2020, 45, 1395-1402.	0.7	6
916	Neurotrophin gene therapy to promote survival of spiral ganglion neurons after deafness. <i>Hearing Research</i> , 2020, 394, 107955.	0.9	21
917	Coordinated Intervention of Microglial and MÃ¼ller Cells in Light-Induced Retinal Degeneration. , 2020, 61, 47.		30
918	Combined Transplantation of Olfactory Ensheathing Cells With Rat Neural Stem Cells Enhanced the Therapeutic Effect in the Retina of RCS Rats. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 52.	1.8	15
919	Primate model of chronic retinal neovascularization and vascular leakage. <i>Experimental Eye Research</i> , 2020, 195, 108031.	1.2	7
920	Diverse Signaling by TGFÎ² Isoforms in Response to Focal Injury is Associated with Either Retinal Regeneration or Reactive Gliosis. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 43-62.	1.7	20
921	Comparison of macular structural and vascular changes in neuromyelitis optica spectrum disorder and primary open angle glaucoma: a cross-sectional study. <i>British Journal of Ophthalmology</i> , 2021, 105, 354-360.	2.1	7
922	Fine structure of the human retina defined by confocal microscopic immunohistochemistry. <i>British Journal of Biomedical Science</i> , 2021, 78, 28-34.	1.2	3
923	Bilateral Macular Hole Related to Tamoxifen Low-Dose Toxicity. <i>Case Reports in Ophthalmology</i> , 2021, 11, 528-533.	0.3	5
924	TNFÎ± activates MAPK and Jak-Stat pathways to promote mouse MÃ¼ller cell proliferation. <i>Experimental Eye Research</i> , 2021, 202, 108353.	1.2	14
925	Paracentral acute middle maculopathy and the organization of the retinal capillary plexuses. <i>Progress in Retinal and Eye Research</i> , 2021, 81, 100884.	7.3	84
926	Recent advances of the function of sphingosine 1-êphosphate (S1P) receptor S1P3. <i>Journal of Cellular Physiology</i> , 2021, 236, 1564-1578.	2.0	12
927	Retina in a dish: Cell cultures, retinal explants and animal models for common diseases of the retina. <i>Progress in Retinal and Eye Research</i> , 2021, 81, 100880.	7.3	71
928	Incomplete response to Anti-VEGF therapy in neovascular AMD: Exploring disease mechanisms and therapeutic opportunities. <i>Progress in Retinal and Eye Research</i> , 2021, 82, 100906.	7.3	133
930	Platelet activating factor in the eye: Physiological roles, diseases and future perspectives. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 153, 106522.	1.0	7
931	Adipose Tissue-Derived Mesenchymal Stem Cell Concentrated Conditioned Medium Alters the Expression Pattern of Glutamate Regulatory Proteins and Aquaporin-4 in the Retina after Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1702-1716.	1.7	15

#	ARTICLE	IF	CITATIONS
932	Notch3 and ΔB maintain Müller glia quiescence and act as negative regulators of regeneration in the light-damaged zebrafish retina. <i>Glia</i> , 2021, 69, 546-566.	2.5	34
933	MiRNA Regulatory Functions in Photoreceptors. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 620249.	1.8	13
934	Immunological Insights in Equine Recurrent Uveitis. <i>Frontiers in Immunology</i> , 2020, 11, 609855.	2.2	9
935	The Visual Impairment Intracranial Pressure (VIIP) Risk in Spaceflight. , 2021, , 641-673.		2
936	Looking into the future: Gene and cell therapies for glaucoma. <i>Veterinary Ophthalmology</i> , 2021, 24, 16-33.	0.6	20
937	miRNAs and Müller Glia Reprogramming During Retina Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 632632.	1.8	18
938	A Comparative Analysis of Reactive Müller Glia Gene Expression After Light Damage and microRNA-Depleted Müller Glia—Focus on microRNAs. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 620459.	1.8	16
939	K ⁺ -dependent Müller cell-generated components of the electroretinogram. <i>Visual Neuroscience</i> , 2021, 38, E010.	0.5	8
940	Zebrafish Models of Photoreceptor Dysfunction and Degeneration. <i>Biomolecules</i> , 2021, 11, 78.	1.8	22
941	Müller Glia-Mediated Retinal Regeneration. <i>Molecular Neurobiology</i> , 2021, 58, 2342-2361.	1.9	39
942	Glucocorticoid agonists enhance retinal stem cell self-renewal and proliferation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 83.	2.4	9
943	Changes in Retinal Structure and Ultrastructure in the Aged Mice Correlate With Differences in the Expression of Selected Retinal miRNAs. <i>Frontiers in Pharmacology</i> , 2020, 11, 593514.	1.6	9
944	Evaluation of Proteoforms of the Transmembrane Chemokines CXCL16 and CX3CL1, Their Receptors, and Their Processing Metalloproteinases ADAM10 and ADAM17 in Proliferative Diabetic Retinopathy. <i>Frontiers in Immunology</i> , 2020, 11, 601639.	2.2	25
945	Retinal Gene Therapy for Usher Syndrome: Current Developments, Challenges, and Perspectives. <i>International Ophthalmology Clinics</i> , 2021, 61, 109-124.	0.3	5
946	Parallel Synaptic Acetylcholine Signals Facilitate Large Monopolar Cell Repolarization and Modulate Visual Behavior in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2021, 41, 2164-2176.	1.7	2
947	Graphene glial-interfaces: challenges and perspectives. <i>Nanoscale</i> , 2021, 13, 4390-4407.	2.8	18
948	AAV Targeting of Glial Cell Types in the Central and Peripheral Nervous System and Relevance to Human Gene Therapy. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 618020.	1.4	36
949	Macular Pucker and Vitreomacular Traction. , 2021, , 333-365.		0

#	ARTICLE	IF	CITATIONS
950	LRP1 mediates the IGF-1-induced GLUT1 expression on the cell surface and glucose uptake in Müller glial cells. <i>Scientific Reports</i> , 2021, 11, 4742.	1.6	11
951	Retinal Neurodegeneration: Correlation between Nutraceutical Treatment and Animal Model. <i>Nutrients</i> , 2021, 13, 770.	1.7	11
952	K _{ATP} Opener Attenuates Diabetic-Induced Müller Gliosis and Inflammation by Modulating Kir6.1 in Microglia. , 2021, 62, 3.		9
953	VEGF-Independent Activation of Müller Cells by the Vitreous from Proliferative Diabetic Retinopathy Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2179.	1.8	18
954	Retinal Aquaporin-4 and Regulation of Water Inflow Into the Vitreous Body. , 2021, 62, 24.		6
955	Lymphocytic microparticles suppress retinal angiogenesis via targeting Müller cells in the ischemic retinopathy mouse model. <i>Experimental Cell Research</i> , 2021, 399, 112470.	1.2	5
956	The Role of Lipoxidation in the Pathogenesis of Diabetic Retinopathy. <i>Frontiers in Endocrinology</i> , 2020, 11, 621938.	1.5	34
957	The Effect of Plasma Rich in Growth Factors on Microglial Migration, Macroglial Gliosis and Proliferation, and Neuronal Survival. <i>Frontiers in Pharmacology</i> , 2021, 12, 606232.	1.6	5
958	Chronic untreated retinal detachment in a patient with choroideremia provides insight into the disease process and potential therapy. <i>European Journal of Ophthalmology</i> , 2022, 32, NP30-NP33.	0.7	2
959	TRPV4 channels mediate the mechanoreponse in retinal microglia. <i>Glia</i> , 2021, 69, 1563-1582.	2.5	24
960	Foveal changes in aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder are independent of optic neuritis and not overtly progressive. <i>European Journal of Neurology</i> , 2021, 28, 2280-2293.	1.7	14
961	Optical coherence tomography angiography helps distinguish multiple sclerosis from AQP4-IG seropositive neuromyelitis optica spectrum disorder. <i>Brain and Behavior</i> , 2021, 11, e02125.	1.0	13
962	Plasma Rich in Growth Factors (PRGF) Increases the Number of Retinal Müller Glia in Culture but Not the Survival of Retinal Neurons. <i>Frontiers in Pharmacology</i> , 2021, 12, 606275.	1.6	9
963	Adaptive constrained constructive optimisation for complex vascularisation processes. <i>Scientific Reports</i> , 2021, 11, 6180.	1.6	16
964	Progressive Loss of Retinal Ganglion Cells in Activating Protein-2 ^{fl} Neural Crest Cell Knockout Mice. <i>Current Eye Research</i> , 2021, 46, 1509-1515.	0.7	1
965	Targeting RGD-binding integrins as an integrative therapy for diabetic retinopathy and neovascular age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2021, 85, 100966.	7.3	29
966	Hypoxia-induced inflammation: Profiling the first 24-hour posthypoxic plasma and central nervous system changes. <i>PLoS ONE</i> , 2021, 16, e0246681.	1.1	6
967	Regulation of Endothelium-Reticulum-Stress-Mediated Apoptotic Cell Death by a Polymethoxylated Flavone, Nobiletin, Through the Inhibition of Nuclear Translocation of Glyceraldehyde 3-Phosphate Dehydrogenase in Retinal Müller Cells. <i>Cells</i> , 2021, 10, 669.	1.8	6

#	ARTICLE	IF	CITATIONS
968	Metabolism in the Zebrafish Retina. <i>Journal of Developmental Biology</i> , 2021, 9, 10.	0.9	9
969	Identification of MFRP and the secreted serine proteases PRSS56 and ADAMTS19 as part of a molecular network involved in ocular growth regulation. <i>PLoS Genetics</i> , 2021, 17, e1009458.	1.5	12
970	Hybrid registration of retinal fluorescein angiography and optical coherence tomography images of patients with diabetic retinopathy. <i>Biomedical Optics Express</i> , 2021, 12, 1707.	1.5	11
971	Cell Surface Profiling of Retinal Müller Glial Cells Reveals Association to Immune Pathways after LPS Stimulation. <i>Cells</i> , 2021, 10, 711.	1.8	14
972	Glial Cells in Glaucoma: Friends, Foes, and Potential Therapeutic Targets. <i>Frontiers in Neurology</i> , 2021, 12, 624983.	1.1	50
973	Anti-VEGF therapy prevents Müller intracellular edema by decreasing VEGF-A in diabetic retinopathy. <i>Eye and Vision (London, England)</i> , 2021, 8, 13.	1.4	14
974	Protection of retinal ganglion cells in glaucoma: Current status and future. <i>Experimental Eye Research</i> , 2021, 205, 108506.	1.2	30
976	Functional 3-Dimensional Retinal Organoids: Technological Progress and Existing Challenges. <i>Frontiers in Neuroscience</i> , 2021, 15, 668857.	1.4	24
977	Microglia increase tight-junction permeability in coordination with Müller cells under hypoxic condition in an in vitro model of inner blood-retinal barrier. <i>Experimental Eye Research</i> , 2021, 205, 108490.	1.2	12
978	Inflammation Regulates the Multi-Step Process of Retinal Regeneration in Zebrafish. <i>Cells</i> , 2021, 10, 783.	1.8	23
979	Prospects for the application of Müller glia and their derivatives in retinal regenerative therapies. <i>Progress in Retinal and Eye Research</i> , 2021, 85, 100970.	7.3	37
980	The Interaction Between Microglia and Macroglia in Glaucoma. <i>Frontiers in Neuroscience</i> , 2021, 15, 610788.	1.4	30
981	Glial cells modulate retinal cell survival in rotenone-induced neural degeneration. <i>Scientific Reports</i> , 2021, 11, 11159.	1.6	4
982	Retinal toxicities of systemic anticancer drugs. <i>Survey of Ophthalmology</i> , 2022, 67, 97-148.	1.7	16
983	RNAi-mediated suppression of vimentin or glial fibrillary acidic protein prevents the establishment of Müller glial cell hypertrophy in progressive retinal degeneration. <i>Glia</i> , 2021, 69, 2272-2290.	2.5	17
984	Diabetic retinal neurodegeneration as a form of diabetic retinopathy. <i>International Ophthalmology</i> , 2021, 41, 3223-3248.	0.6	30
985	High glucose treatment promotes extracellular matrix proteome remodeling in Müller glial cells. <i>PeerJ</i> , 2021, 9, e11316.	0.9	3
986	Purinergic-Glycinergic Interaction in Neurodegenerative and Neuroinflammatory Disorders of the Retina. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6209.	1.8	6

#	ARTICLE	IF	CITATIONS
987	Hypoxic-ischemic injury causes functional and structural neurovascular degeneration in the juvenile mouse retina. <i>Scientific Reports</i> , 2021, 11, 12670.	1.6	5
988	Evaluation of non-exudative microcystoid macular abnormalities secondary to retinal vein occlusion. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 3579-3588.	1.0	1
989	The Timecourses of Functional, Morphological, and Molecular Changes Triggered by Light Exposure in Sprague-Dawley Rat Retinas. <i>Cells</i> , 2021, 10, 1561.	1.8	13
990	Macular vessel density differs in multiple sclerosis and neuromyelitis optica spectrum disorder: An optical coherence tomography angiography study. <i>PLoS ONE</i> , 2021, 16, e0253417.	1.1	13
991	Transcriptional Profiling Identifies Upregulation of Neuroprotective Pathways in Retinitis Pigmentosa. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6307.	1.8	4
992	Different glutamate sources and endogenous coagonists activate extrasynaptic NMDA receptors on amacrine cells of the rod pathway microcircuit. <i>European Journal of Neuroscience</i> , 2021, 54, 4456-4474.	1.2	3
993	Photoreceptor ablation following ATP induced injury triggers Müller glia driven regeneration in zebrafish. <i>Experimental Eye Research</i> , 2021, 207, 108569.	1.2	1
994	Multimodal imaging of macular telangiectasia type 2 in a pediatric patient. <i>American Journal of Ophthalmology Case Reports</i> , 2021, 22, 101082.	0.4	1
995	AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , 2022, 86, 100972.	7.3	30
996	HIF-1 α and HIF-2 α redundantly promote retinal neovascularization in patients with ischemic retinal disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	33
997	ATP and Adenosine in the Retina and Retinal Diseases. <i>Frontiers in Pharmacology</i> , 2021, 12, 654445.	1.6	17
998	Müller cells and astrocytes in tractional macular disorders. <i>Progress in Retinal and Eye Research</i> , 2022, 86, 100977.	7.3	29
999	Long-term multimodal imaging characterization of persistent retinal neovascularization using DL-alpha-aminoadipic acid in pigmented and white rabbits. <i>Experimental Eye Research</i> , 2021, 207, 108577.	1.2	4
1000	Kir4.1 may represent a novel therapeutic target for diabetic retinopathy (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1021.	0.8	5
1001	â12ç»†èfžă,žèſtç1/2†œã•æ€Šã¼@çŽ̄âçfäºäl/2œã¹â12ç»†èfžă'1/2è;â†³ã@šçš,,â1/2±ã“•: <i>Scientia Sinica Vitae</i> , 2021,1, .		0
1002	AUY922 induces retinal toxicity through attenuating TRPM1. <i>Journal of Biomedical Science</i> , 2021, 28, 55.	2.6	8
1003	CD146/Soluble CD146 Pathway Is a Novel Biomarker of Angiogenesis and Inflammation in Proliferative Diabetic Retinopathy. , 2021, 62, 32.		17
1004	Advanced Glycation End Products: New Clinical and Molecular Perspectives. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7236.	1.2	23

#	ARTICLE	IF	CITATIONS
1005	Matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of metalloproteinases 1 (TIMP-1) are localized in the nucleus of retinal Müller glial cells and modulated by cytokines and oxidative stress. PLoS ONE, 2021, 16, e0253915.	1.1	7
1006	Coincident PAMM and AMN and Insights Into a Common Pathophysiology. American Journal of Ophthalmology, 2022, 236, 136-146.	1.7	23
1007	Intraretinal Cysts in Macular Hole: A Structure-Function Correlation Based on En Face Imaging. Clinical Ophthalmology, 2021, Volume 15, 2953-2962.	0.9	6
1008	Composition of the Inner Nuclear Layer in Human Retina. , 2021, 62, 22.		16
1009	Development and characterization of a chronic photoreceptor degeneration model in adult zebrafish that does not trigger a regenerative response. Experimental Eye Research, 2021, 209, 108630.	1.2	8
1010	Of men and mice: Human X-linked retinoschisis and fidelity in mouse modeling. Progress in Retinal and Eye Research, 2022, 87, 100999.	7.3	12
1011	Implication of specific retinal cell-type involvement and gene expression changes in AMD progression using integrative analysis of single-cell and bulk RNA-seq profiling. Scientific Reports, 2021, 11, 15612.	1.6	20
1013	Possible roles of anti-type II collagen antibody and innate immunity in the development and progression of diabetic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, , 1.	1.0	5
1014	Autophagy positively regulates Wnt signaling in mice with diabetic retinopathy. Experimental and Therapeutic Medicine, 2021, 22, 1164.	0.8	3
1015	Molecular regulation of neuroinflammation in glaucoma: Current knowledge and the ongoing search for new treatment targets. Progress in Retinal and Eye Research, 2022, 87, 100998.	7.3	55
1016	Axonal Injuries Cast Long Shadows: Long Term Glial Activation in Injured and Contralateral Retinas after Unilateral Axotomy. International Journal of Molecular Sciences, 2021, 22, 8517.	1.8	13
1017	Exosomes: Biomarkers and Therapeutic Targets of Diabetic Vascular Complications. Frontiers in Endocrinology, 2021, 12, 720466.	1.5	12
1019	Neuroprotective effects of glial mediators in interactions between retinal neurons and Müller cells. Experimental Eye Research, 2021, 209, 108689.	1.2	6
1020	Biomechanics of the optic nerve head and sclera in canine glaucoma: A brief review. Veterinary Ophthalmology, 2021, 24, 316-325.	0.6	4
1021	Retinal Astrocytes and Microglia Activation in Diabetic Retinopathy Rhesus Monkey Models. Current Eye Research, 2022, 47, 297-303.	0.7	7
1022	Dietary Supplement Enriched in Antioxidants and Omega-3 Promotes Glutamine Synthesis in Müller Cells: A Key Process against Oxidative Stress in Retina. Nutrients, 2021, 13, 3216.	1.7	5
1023	The TGF β ² /Notch axis facilitates Müller cell-to-epithelial transition to ultimately form a chronic glial scar. Molecular Neurodegeneration, 2021, 16, 69.	4.4	18
1024	Immuno-histological detection of resistant columnar units and vulnerable networks in the rat retina after asphyxia-induced transient cardiac arrest. Restorative Neurology and Neuroscience, 2021, 39, 267-289.	0.4	1

#	ARTICLE	IF	CITATIONS
1025	Human Foveal Cone and M μ ller Cells Examined by Adaptive Optics Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2021, 10, 17.	1.1	5
1026	Retinal Stem/Progenitor Cells Derived From Adult M μ ller Glia for the Treatment of Retinal Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 749131.	1.8	9
1027	Glaucoma and neuroinflammation: An overview. <i>Survey of Ophthalmology</i> , 2021, 66, 693-713.	1.7	30
1028	Therapeutic Drugs and Devices for Tackling Ocular Hypertension and Glaucoma, and Need for Neuroprotection and Cytoprotective Therapies. <i>Frontiers in Pharmacology</i> , 2021, 12, 729249.	1.6	34
1029	Retinal optical coherence tomography and magnetic resonance imaging in neuromyelitis optica spectrum disorders and MOG-antibody associated disorders: an updated review. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 1101-1123.	1.4	7
1030	Vitreous from idiopathic epiretinal membrane patients induces glial-to-mesenchymal transition in M μ ller cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166181.	1.8	6
1031	Spontaneous Conversion of Lamellar Macular Holes to Full-Thickness Macular Holes: Clinical Features and Surgical Outcomes. <i>Ophthalmology Retina</i> , 2021, 5, 1009-1016.	1.2	12
1032	Acute Transient Macular Edema after Uneventful Cataract Surgery. <i>Oftalmologiya</i> , 2021, 18, 442-450.	0.2	1
1033	Evidence for and against subclinical disease activity and progressive disease in MOG antibody disease and neuromyelitis optica spectrum disorder. <i>Journal of Neuroimmunology</i> , 2021, 360, 577702.	1.1	13
1034	Neuroglobin effectively halts vision loss in Harlequin mice at an advanced stage of optic nerve degeneration. <i>Neurobiology of Disease</i> , 2021, 159, 105483.	2.1	2
1035	Nuclear factor of activated T-cells (NFAT) regulation of IL-1 β -induced retinal vascular inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166238.	1.8	14
1036	Primate fovea. , 2022, , 83-117.		1
1037	Introduction: Optical properties of the retina. , 2022, , 1-34.		0
1039	Retinal glia. , 2022, , 51-66.		0
1040	Tractional disorders of the human fovea. , 2022, , 139-185.		0
1041	PDGF Receptor Alpha Signaling Is Key for M μ ller Cell Homeostasis Functions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1174.	1.8	4
1042	Edaravone prevents high glucose-induced injury in retinal M μ ller cells through thioredoxin1 and the PGC-1 β /NRF1/TFAM pathway. <i>Pharmaceutical Biology</i> , 2021, 59, 1231-1242.	1.3	3
1043	Treatment of Retinal Detachment. , 2021, , 211-238.		0

#	ARTICLE	IF	CITATIONS
1044	Inhibition of GABA _A receptors induces retina regeneration in zebrafish. <i>Neural Regeneration Research</i> , 2021, 16, 367.	1.6	12
1045	The Influence of Crescent-Shaped Selective Internal Limiting Membrane Staining on Vital Dye Toxicity in Temporal Inverted Flap Technique. <i>Current Eye Research</i> , 2021, 46, 1363-1369.	0.7	1
1046	The Role of the P2X7 Receptor in the Retina: Cell Signalling and Dysfunction. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 813-819.	0.8	7
1047	Spatial and Temporal Localization of Caveolin-1 Protein in the Developing Retina. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 15-21.	0.8	27
1048	Stem Cells and Glaucoma. , 2013, , 75-97.		2
1049	The Regenerative Potential of the Vertebrate Retina: Lessons from the Zebrafish. <i>Pancreatic Islet Biology</i> , 2014, , 49-82.	0.1	5
1051	Studying the Generation of Regenerated Retinal Neuron from Müller Glia in the Mouse Eye. <i>Methods in Molecular Biology</i> , 2012, 884, 213-227.	0.4	25
1052	Immunological Considerations for Retinal Stem Cell Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1186, 99-119.	0.8	10
1053	Gliosis Can Impede Integration Following Photoreceptor Transplantation into the Diseased Retina. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 579-585.	0.8	18
1054	Near-Infrared Subretinal Imaging in Choroidal Neovascularization. <i>Essentials in Ophthalmology</i> , 2010, , 77-93.	0.0	10
1055	Pathophysiology of Vitreo-Macular Interface. <i>Essentials in Ophthalmology</i> , 2014, , 43-53.	0.0	3
1056	Paired Immunoglobulin-like Receptor B Inhibition in Müller Cells Promotes Neurite Regeneration After Retinal Ganglion Cell Injury in vitro. <i>Neuroscience Bulletin</i> , 2020, 36, 972-984.	1.5	4
1057	CENTRAL POSTERIOR LENS CAPSULE USED INSTEAD OF AN INVERTED INTERNAL LIMITING MEMBRANE FLAP: A CLINIC-PATHOLOGICAL CASE REPORT. <i>Retinal Cases and Brief Reports</i> , 2022, 16, 601-605.	0.3	3
1059	Suite of methods for assessing inner retinal temporal dynamics across spatial and temporal scales in the living human eye. <i>Neurophotonics</i> , 2020, 7, 1.	1.7	28
1060	The potential role of glutamate transporters in the pathogenesis of normal tension glaucoma. <i>Journal of Clinical Investigation</i> , 2007, 117, 1763-1770.	3.9	285
1061	Fibrosis and diseases of the eye. <i>Journal of Clinical Investigation</i> , 2007, 117, 576-586.	3.9	236
1062	Mammalian Retinal Cell Quantification. <i>Toxicologic Pathology</i> , 2021, 49, 505-520.	0.9	2
1063	Multifunctional glial support by Semper cells in the Drosophila retina. <i>PLoS Genetics</i> , 2017, 13, e1006782.	1.5	42

#	ARTICLE	IF	CITATIONS
1064	Functional Implication of Dp71 in Osmoregulation and Vascular Permeability of the Retina. PLoS ONE, 2009, 4, e7329.	1.1	36
1065	A Novel Adeno-Associated Viral Variant for Efficient and Selective Intravitreal Transduction of Rat M μ ller Cells. PLoS ONE, 2009, 4, e7467.	1.1	176
1066	GFAP-Driven GFP Expression in Activated Mouse M μ ller Glial Cells Aligning Retinal Blood Vessels Following Intravitreal Injection of AAV2/6 Vectors. PLoS ONE, 2010, 5, e12387.	1.1	39
1067	Curcumin Inhibits Neuronal and Vascular Degeneration in Retina after Ischemia and Reperfusion Injury. PLoS ONE, 2011, 6, e23194.	1.1	80
1068	Retinal Ganglion Cell Loss Is Accompanied by Antibody Depositions and Increased Levels of Microglia after Immunization with Retinal Antigens. PLoS ONE, 2012, 7, e40616.	1.1	68
1069	Basic Fibroblast Growth Factor Contributes to a Shift in the Angioregulatory Activity of Retinal Glial (M μ ller) Cells. PLoS ONE, 2013, 8, e68773.	1.1	27
1070	The Role of Peroxisome Proliferator-Activated Receptor and Effects of Its Agonist, Pioglitazone, on a Rat Model of Optic Nerve Crush: PPAR γ in Retinal Neuroprotection. PLoS ONE, 2013, 8, e68935.	1.1	29
1071	AAV-Mediated, Optogenetic Ablation of M μ ller Glia Leads to Structural and Functional Changes in the Mouse Retina. PLoS ONE, 2013, 8, e76075.	1.1	56
1072	FTO11, a Novel Cardiorenal Protective Drug, Reduces Inflammation, Gliosis and Vascular Injury in Rats with Diabetic Retinopathy. PLoS ONE, 2015, 10, e0134392.	1.1	14
1073	Enhanced Endothelin-1 Mediated Vasoconstriction of the Ophthalmic Artery May Exacerbate Retinal Damage after Transient Global Cerebral Ischemia in Rat. PLoS ONE, 2016, 11, e0157669.	1.1	8
1074	cGMP-Phosphodiesterase Inhibition Prevents Hypoxia-Induced Cell Death Activation in Porcine Retinal Explants. PLoS ONE, 2016, 11, e0166717.	1.1	16
1075	Endothelin B Receptors on Primary Chicken M μ ller Cells and the Human MIO-M1 M μ ller Cell Line Activate ERK Signaling via Transactivation of Epidermal Growth Factor Receptors. PLoS ONE, 2016, 11, e0167778.	1.1	6
1076	Role of Myo/Nog Cells in Neuroprotection: Evidence from the Light Damaged Retina. PLoS ONE, 2017, 12, e0169744.	1.1	13
1077	Assessment of the retinal posterior pole in dominant optic atrophy by spectral-domain optical coherence tomography and microperimetry. PLoS ONE, 2017, 12, e0174560.	1.1	17
1078	A novel cell exclusion zone assay with a barrier made from room temperature vulcanizing silicone rubber. PLoS ONE, 2017, 12, e0190198.	1.1	2
1079	Human embryonic stem cells extracellular vesicles and their effects on immortalized human retinal M μ ller cells. PLoS ONE, 2018, 13, e0194004.	1.1	19
1080	Promotion on the differentiation of retinal M μ ller cells into retinal ganglion cells by Brn-3b. International Journal of Ophthalmology, 2016, 9, 948-54.	0.5	9
1081	The role of Toll-like receptors in retinal ischemic diseases. International Journal of Ophthalmology, 2016, 9, 1343-51.	0.5	22

#	ARTICLE	IF	CITATIONS
1082	Glycine Supplementation Ameliorates Retinal Neuronal Damage in an Experimental Model of Diabetes in Rats: A Light and Electron Microscopic Study. <i>Journal of Ophthalmic and Vision Research</i> , 2019, 14, 448-456.	0.7	4
1083	Lin28B promotes Müller glial cell de-differentiation and proliferation in the regenerative rat retinas. <i>Oncotarget</i> , 2016, 7, 49368-49383.	0.8	13
1084	Bigh3 silencing increases retinoblastoma tumor growth in the murine SV40-TAg-Rb model. <i>Oncotarget</i> , 2017, 8, 15490-15506.	0.8	5
1085	Activation of liver X receptor delayed the retinal degeneration of rd1 mice through modulation of the immunological function of glia. <i>Oncotarget</i> , 2017, 8, 32068-32082.	0.8	21
1086	Galectin-1 expression imprints a neurovascular phenotype in proliferative retinopathies and delineates responses to anti-VEGF. <i>Oncotarget</i> , 2017, 8, 32505-32522.	0.8	27
1087	Relevance of Excitable Media Theory and Retinal Spreading Depression Experiments in Preclinical Pharmacological Research. <i>Current Neuropharmacology</i> , 2014, 12, 413-433.	1.4	7
1088	Taxane Induced Cystoid Macular Edema: Case Report and Integrated Pathogenic Theory. <i>Current Drug Safety</i> , 2019, 14, 43-47.	0.3	12
1089	Mouse Müller Cell Isolation and Culture. <i>Bio-protocol</i> , 2017, 7, .	0.2	12
1090	Pigment Epithelium-Derived Factor (PEDF) Receptors Are Involved in Survival of Retinal Neurons. <i>International Journal of Molecular Sciences</i> , 2021, 22, 369.	1.8	13
1091	PTEN knockdown with the Y444F mutant AAV2 vector promotes axonal regeneration in the adult optic nerve. <i>Neural Regeneration Research</i> , 2018, 13, 135.	1.6	11
1092	Dyslipidemia modulates Müller glial sensing and transduction of ambient information. <i>Neural Regeneration Research</i> , 2018, 13, 207.	1.6	12
1093	Neuroprotection of the inner retina: Müller cells and lactate. <i>Neural Regeneration Research</i> , 2018, 13, 1741.	1.6	21
1094	Extracellular Matrix components regulate cellular polarity and tissue structure in the developing and mature Retina. <i>Journal of Ophthalmic and Vision Research</i> , 2015, 10, 329.	0.7	24
1095	Reduced occurrence of programmed cell death and gliosis in the retinas of juvenile rabbits after short-term treatment with intravitreal bevacizumab. <i>Clinics</i> , 2012, 67, 61-67.	0.6	15
1096	Human macular Müller cells rely more on serine biosynthesis to combat oxidative stress than those from the periphery. <i>ELife</i> , 2019, 8, .	2.8	38
1097	The anatomy of the foveola reinvestigated. <i>PeerJ</i> , 2018, 6, e4482.	0.9	29
1098	Morphological Analyses on Retinal Glial Responses to Glaucomatous Injury Evoked by Venous Cauterization. <i>Applied Microscopy</i> , 2014, 44, 21-29.	0.8	4
1099	Differential Effects of Experimental Retinal Detachment on S- and M/L-Cones in Rats. <i>Molecular Neurobiology</i> , 2022, 59, 117-136.	1.9	6

#	ARTICLE	IF	CITATIONS
1100	7,8-Dihydroxiflavone Protects Adult Rat Axotomized Retinal Ganglion Cells through MAPK/ERK and PI3K/AKT Activation. International Journal of Molecular Sciences, 2021, 22, 10896.	1.8	11
1101	Müller Cells and the Retinal Pigment Epithelium. , 2008, , 1633-1655.		6
1102	Oxidative Stress in Diabetic Retinopathy. , 2008, , 217-242.		2
1103	Purinergic Signaling Involved in the Volume Regulation of Glial Cells in the Rat Retina: Alteration in Experimental Diabetes. , 2011, , 319-340.		0
1104	Retinal Stem Cells. , 2012, , 223-244.		0
1105	Dietary Omega-3 Fatty Acids Deficiency Affects the Glutamatergic Transport System in Rat Retina: Modulatory Effects after High Intraocular Pressure. Food and Nutrition Sciences (Print), 2013, 04, 195-201.	0.2	1
1106	The Vasculature in the Diseased Eye. , 2015, , 293-311.		0
1107	The possible protective effect of curcumin on monosodium glutamate-induced retinal changes in adult male albino rats. Egyptian Journal of Histology, 2016, 39, 87-95.	0.0	1
1110	Mechanisms of Macular Edema. , 2017, , 7-25.		0
1113	New Insights into Endothelin Signaling and Its Diverse Roles in the Retina. Advances in Experimental Medicine and Biology, 2019, 1185, 519-523.	0.8	1
1114	The Visual Impairment Intracranial Pressure (VIIP) Risk in Spaceflight. , 2019, , 1-26.		1
1118	OCT Angiography in Evaluation of the Macular Holes Treatment Results. Oftalmologiya, 2019, 16, 310-316.	0.2	1
1119	Importance of Müller Cells. Beyoglu Eye Journal, 2020, 5, 59-63.	0.1	3
1122	Astrocytic outer retinal layer thinning is not a feature in AQP4-IgG seropositive neuromyelitis optica spectrum disorders. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 188-195.	0.9	13
1123	Proteomic Phenotyping of Stimulated Müller Cells Uncovers Profound Pro-Inflammatory Signaling and Antigen-Presenting Capacity. Frontiers in Pharmacology, 2021, 12, 771571.	1.6	16
1124	Assessment of Vascular Changes in Patients after Pars Plana Vitrectomy Surgery Due to Macula-Off Rhegmatogenous Retinal Detachment. Journal of Clinical Medicine, 2021, 10, 5054.	1.0	7
1125	Neurons and Plasticity: What Do Glial Cells Have to Do with This?. Brain Informatics and Health, 2020, , 13-46.	0.1	0
1126	Animal and Human Models of Retinal Diseases. , 2020, , 590-613.		0

#	ARTICLE	IF	CITATIONS
1127	Visual functional changes after ocriplasmin injection for vitreomacular traction: A microperimetric analysis. <i>Taiwan Journal of Ophthalmology</i> , 2021, 11, 259.	0.3	1
1128	Whole-mount Immunohistochemistry of Adult Zebrafish Retina for Advanced Imaging. <i>Bio-protocol</i> , 2020, 10, e3848.	0.2	0
1129	Müller Cells: Genii Loci. <i>Human Physiology</i> , 2020, 46, 696-702.	0.1	0
1130	Comparison of two methods used to culture and purify rat retinal Müller cells. <i>International Journal of Ophthalmology</i> , 2013, 6, 778-84.	0.5	4
1131	Involvement of A(1) adenosine receptors in osmotic volume regulation of retinal glial cells in mice. <i>Molecular Vision</i> , 2009, 15, 1858-67.	1.1	21
1132	Müller cell activation, proliferation and migration following laser injury. <i>Molecular Vision</i> , 2009, 15, 1886-96.	1.1	52
1133	Mitogen-activated protein kinases in the porcine retinal arteries and neuroretina following retinal ischemia-reperfusion. <i>Molecular Vision</i> , 2010, 16, 392-407.	1.1	16
1134	Effects of anti-VEGF agents on rat retinal Müller glial cells. <i>Molecular Vision</i> , 2010, 16, 793-9.	1.1	13
1135	Spatial and temporal dissociation of AQP4 and Kir4.1 expression during induction of refractive errors. <i>Molecular Vision</i> , 2010, 16, 1610-9.	1.1	11
1136	Expression profiles of nestin and synemin in reactive astrocytes and Müller cells following retinal injury: a comparison with glial fibrillar acidic protein and vimentin. <i>Molecular Vision</i> , 2010, 16, 2511-23.	1.1	75
1137	Evidence supporting a role for N-(3-formyl-3,4-dehydropiperidino)lysine accumulation in Müller glia dysfunction and death in diabetic retinopathy. <i>Molecular Vision</i> , 2010, 16, 2524-38.	1.1	43
1138	Alteration of growth factors and neuronal death in diabetic retinopathy: what we have learned so far. <i>Molecular Vision</i> , 2011, 17, 300-8.	1.1	63
1139	The human Müller cell line MIO-M1 expresses opsins. <i>Molecular Vision</i> , 2011, 17, 2738-50.	1.1	38
1140	Silencing of insulin receptor substrate-1 increases cell death in retinal Müller cells. <i>Molecular Vision</i> , 2012, 18, 271-9.	1.1	22
1141	Inhibition of connective tissue growth factor by small interfering ribonucleic acid prevents increase in extracellular matrix molecules in a rodent model of diabetic retinopathy. <i>Molecular Vision</i> , 2012, 18, 874-86.	1.1	26
1142	Gene expression changes within Müller glial cells in retinitis pigmentosa. <i>Molecular Vision</i> , 2012, 18, 1197-214.	1.1	74
1143	Effect of brain-derived neurotrophic factor on c-jun expression in the rd mouse retina. <i>International Journal of Ophthalmology</i> , 2012, 5, 266-71.	0.5	6
1144	Protective effects of lipoic acid on chrysene-induced toxicity on Müller cells in vitro. <i>Molecular Vision</i> , 2013, 19, 25-38.	1.1	6

#	ARTICLE	IF	CITATIONS
1145	Adalimumab (tumor necrosis factor-blocker) reduces the expression of glial fibrillary acidic protein immunoreactivity increased by exogenous tumor necrosis factor alpha in an organotypic culture of porcine neuroretina. <i>Molecular Vision</i> , 2013, 19, 894-903.	1.1	16
1147	Bone morphogenetic protein 7 regulates reactive gliosis in retinal astrocytes and Müller glia. <i>Molecular Vision</i> , 2014, 20, 1085-108.	1.1	17
1148	Serine 307 on insulin receptor substrate 1 is required for SOCS3 and TNF- α signaling in the rMC-1 cell line. <i>Molecular Vision</i> , 2014, 20, 1463-70.	1.1	8
1149	Exendin-4 protects retinal cells from early diabetes in Goto-Kakizaki rats by increasing the Bcl-2/Bax and Bcl-xL/Bax ratios and reducing reactive gliosis. <i>Molecular Vision</i> , 2014, 20, 1557-68.	1.1	32
1150	A profile of transcriptomic changes in the rd10 mouse model of retinitis pigmentosa. <i>Molecular Vision</i> , 2014, 20, 1612-28.	1.1	26
1151	Pigment epithelium-derived factor protects the morphological structure of retinal Müller cells in diabetic rats. <i>International Journal of Ophthalmology</i> , 2014, 7, 941-6.	0.5	2
1152	Regulation of the hyperosmotic induction of aquaporin 5 and VEGF in retinal pigment epithelial cells: involvement of NFAT5. <i>Molecular Vision</i> , 2015, 21, 360-77.	1.1	33
1153	Effects of 530 nm monochromatic light on basic fibroblast growth factor and transforming growth factor- β 1 expression in Müller cells. <i>International Journal of Ophthalmology</i> , 2015, 8, 904-9.	0.5	1
1154	Intake of dietary salt and drinking water: Implications for the development of age-related macular degeneration. <i>Molecular Vision</i> , 2016, 22, 1437-1454.	1.1	12
1155	Gestational diabetes influences retinal Muller cells in rat's offspring. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 216-221.	1.0	1
1156	Reduced phosphoCREB in Müller glia during retinal degeneration in mice. <i>Molecular Vision</i> , 2017, 23, 90-102.	1.1	13
1157	Astrocytes mediated the nootropic and neurotrophic effects of Sarsasapogenin-AA13 via upregulating brain-derived neurotrophic factor. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4015-4025.	0.0	1
1158	Post-ischemic treatment with azithromycin protects ganglion cells against retinal ischemia/reperfusion injury in the rat. <i>Molecular Vision</i> , 2017, 23, 911-921.	1.1	16
1159	CYP1B1: A key regulator of redox homeostasis. <i>Trends in Cell & Molecular Biology</i> , 2018, 13, 27-45.	0.5	7
1160	Lentivirus vector-mediated knockdown of Sox9 shows neuroprotective effects on light damage in rat retinas. <i>Molecular Vision</i> , 2019, 25, 703-713.	1.1	3
1161	Long-term evaluation of retinal morphology and function in a mouse model of oxygen-induced retinopathy. <i>Molecular Vision</i> , 2020, 26, 257-276.	1.1	10
1162	A Review of Last Decade Developments on Epiretinal Membrane Pathogenesis. <i>Medical Hypothesis, Discovery, and Innovation in Ophthalmology</i> , 2020, 9, 91-110.	0.4	4
1163	Glial cells of the human fovea. <i>Molecular Vision</i> , 2020, 26, 235-245.	1.1	10

#	ARTICLE	IF	CITATIONS
1164	Neuroprotective effects of <i>Acer palmatum</i> thumb. leaf extract (KIOM-2015E) against ischemia/reperfusion-induced injury in the rat retina. <i>Molecular Vision</i> , 2020, 26, 691-704.	1.1	1
1165	Neuroprotective Effects of Fingolimod Supplement on the Retina and Optic Nerve in the Mouse Model of Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Neuroscience</i> , 2021, 15, 663541.	1.4	2
1166	Emerging roles for CNS fibroblasts in health, injury and disease. <i>Nature Reviews Neuroscience</i> , 2021, , .	4.9	2
1167	Emerging roles for CNS fibroblasts in health, injury and disease. <i>Nature Reviews Neuroscience</i> , 2022, 23, 23-34.	4.9	74
1168	Reintroduction of DJ-1 in M μ ller Cells Inhibits Retinal Degeneration in the DJ-1 Deficient Retina. <i>Antioxidants</i> , 2021, 10, 1862.	2.2	5
1169	TRPV4-induced M μ ller cell gliosis and TNF- β elevation-mediated retinal ganglion cell apoptosis in glaucomatous rats via JAK2/STAT3/NF- κ B pathway. <i>Journal of Neuroinflammation</i> , 2021, 18, 271.	3.1	36
1170	Cellular components of the idiopathic epiretinal membrane. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 1435-1444.	1.0	16
1171	Morphological Features of Astrocytes in Health and Neuropsychiatric Disorders. <i>Advances in Neurobiology</i> , 2021, 26, 75-92.	1.3	3
1172	Tissue Inhibitor of Metalloproteinase-3 Ameliorates Diabetes-Induced Retinal Inflammation. <i>Frontiers in Physiology</i> , 2021, 12, 807747.	1.3	8
1173	Compritol solid lipid nanoparticle formulations enhance the protective effect of betulinic acid derivatives in human M μ ller cells against oxidative injury. <i>Experimental Eye Research</i> , 2022, 215, 108906.	1.2	9
1174	Progressive Retinal and Optic Nerve Damage in a Mouse Model of Spontaneous Opticospinal Encephalomyelitis. <i>Frontiers in Immunology</i> , 2021, 12, 759389.	2.2	6
1175	Small-molecule-driven direct reprogramming of M μ ller cells into bipolar-like cells. <i>Cell Proliferation</i> , 2022, 55, e13184.	2.4	3
1176	Unsuspected Central Vision Decrease from Macular Ganglion Cell Loss after Posterior Segment Surgery. <i>Retina</i> , 2022, Publish Ahead of Print, .	1.0	0
1177	View on microRNAs as a potential tool to fight blindness: focus on M μ ller glia and gliosis. <i>Neural Regeneration Research</i> , 2022, 17, 1501.	1.6	3
1178	Outer retinal and choriocapillaris modifications in choroideremia: three differentially impaired retinal regions and the potential diagnostic role of the external limiting membrane. <i>Eye</i> , 2022, , .	1.1	1
1179	Mineralocorticoid pathway in retinal health and diseases. <i>British Journal of Pharmacology</i> , 2022, 179, 3190-3204.	2.7	8
1180	Primary and Secondary Cone Cell Death Mechanisms in Inherited Retinal Diseases and Potential Treatment Options. <i>International Journal of Molecular Sciences</i> , 2022, 23, 726.	1.8	8
1181	The Intrinsic Blue Light Responses of Avian M μ ller Glial Cells Imply Calcium Release from Internal Stores. <i>ASN Neuro</i> , 2022, 14, 175909142210766.	1.5	6

#	ARTICLE	IF	CITATIONS
1182	SIRT4 Is Highly Expressed in Retinal MÄ¼ller Glial Cells. <i>Frontiers in Neuroscience</i> , 2022, 16, 840443.	1.4	9
1183	Neuroprotective Effects of Fingolimod Supplement on the Retina and Optic Nerve in the Mouse Model of Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Neuroscience</i> , 2021, 15, 663541.	1.4	13
1184	CRISPR/Cas9-Mediated Models of Retinitis Pigmentosa Reveal Differential Proliferative Response of MÄ¼ller Cells between <i>Xenopus laevis</i> and <i>Xenopus tropicalis</i> . <i>Cells</i> , 2022, 11, 807.	1.8	9
1185	Variability in Retinal Neuron Populations and Associated Variations in Mass Transport Systems of the Retina in Health and Aging. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 778404.	1.7	8
1186	The role of lipopolysaccharides in diabetic retinopathy. <i>BMC Ophthalmology</i> , 2022, 22, 86.	0.6	10
1187	Characteristics of Whale MÄ¼ller Glia in Primary and Immortalized Cultures. <i>Frontiers in Neuroscience</i> , 2022, 16, 854278.	1.4	2
1188	P2X7/P2X4 Receptors Mediate Proliferation and Migration of Retinal Microglia in Experimental Glaucoma in Mice. <i>Neuroscience Bulletin</i> , 2022, 38, 901-915.	1.5	11
1189	Redox and Calcium Alterations of a MÄ¼ller Cell Line Exposed to Diabetic Retinopathy-Like Environment. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 862325.	1.8	2
1190	Proprotein convertase furin is a driver and potential therapeutic target in proliferative diabetic retinopathy. <i>Clinical and Experimental Ophthalmology</i> , 2022, 50, 632-652.	1.3	3
1191	Plasmalogens Regulate Retinal Connexin 43 Expression and MÄ¼ller Glial Cells Gap Junction Intercellular Communication and Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 864599.	1.8	2
1192	Neuroinflammation, Microglia and Implications for Retinal Ganglion Cell Survival and Axon Regeneration in Traumatic Optic Neuropathy. <i>Frontiers in Immunology</i> , 2022, 13, 860070.	2.2	26
1193	Contribution of MÄ¼ller Cells in the Diabetic Retinopathy Development: Focus on Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2022, 11, 617.	2.2	24
1194	Natural history of retinal degeneration in ovine models of CLN5 and CLN6 neuronal ceroid lipofuscinoses. <i>Scientific Reports</i> , 2022, 12, 3670.	1.6	3
1195	Neurovascular abnormalities in retinopathy of prematurity and emerging therapies. <i>Journal of Molecular Medicine</i> , 2022, 100, 817-828.	1.7	7
1196	Derivation and Characterization of Murine and Amphibian MÄ¼ller Glia Cell Lines. <i>Translational Vision Science and Technology</i> , 2022, 11, 4.	1.1	2
1197	Controlled assembly of retinal cells on fractal and Euclidean electrodes. <i>PLoS ONE</i> , 2022, 17, e0265685.	1.1	4
1198	Metabolism and Vascular Retinopathies: Current Perspectives and Future Directions. <i>Diagnostics</i> , 2022, 12, 903.	1.3	7
1199	Applying Proteinâ€“Protein Interactions and Complex Networks to Identify Novel Genes in Retinitis Pigmentosa Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3962.	1.8	1

#	ARTICLE	IF	CITATIONS
1200	Immunohistochemical features of cells in peripheral microcystoid retinal degeneration. <i>Acta Histochemica</i> , 2022, 124, 151893.	0.9	0
1201	Optical Coherence Tomography to Assess Neurodegeneration in Phenylalanine Hydroxylase Deficiency. <i>Frontiers in Neurology</i> , 2021, 12, 780624.	1.1	3
1202	Peripapillary Retinoschisis Mimicking Normal Retinal Nerve Fiber Layer. <i>Asia-Pacific Journal of Ophthalmology</i> , 2022, 11, 86.	1.3	0
1203	Electrical response of retinal ganglion cells in an N-methyl-N-nitrosourea-induced retinal degeneration porcine model. <i>Scientific Reports</i> , 2021, 11, 24135.	1.6	6
1204	Neurovascular Impairment and Therapeutic Strategies in Diabetic Retinopathy. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 439.	1.2	16
1205	Interplay between M μ ller cells and microglia aggravates retinal inflammatory response in experimental glaucoma. <i>Journal of Neuroinflammation</i> , 2021, 18, 303.	3.1	34
1206	Expression of Otx Genes in M μ ller Cells Using an In Vitro Experimental Model of Retinal Hypoxia. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-10.	0.6	1
1207	Macular pigment optical density assessed by heterochromatic flicker photometry in eyes affected by primary epiretinal membrane. <i>Retina</i> , 2021, Publish Ahead of Print, .	1.0	0
1208	670nm photobiomodulation modulates bioenergetics and oxidative stress, in rat M μ ller cells challenged with high glucose. <i>PLoS ONE</i> , 2021, 16, e0260968.	1.1	7
1209	Enriched environment and visual stimuli protect the retinal pigment epithelium and photoreceptors in a mouse model of non-exudative age-related macular degeneration. <i>Cell Death and Disease</i> , 2021, 12, 1128.	2.7	2
1210	Retinal displacement and intraretinal structural changes after idiopathic macular hole surgery. <i>Japanese Journal of Ophthalmology</i> , 2022, 66, 173-182.	0.9	5
1211	Assessment of retinal oxygen metabolism, visual function, thickness and degeneration markers after variable ischemia/reperfusion in rats. <i>Experimental Eye Research</i> , 2021, 213, 108838.	1.2	7
1212	Tamoxifen maculopathy – A case with early optical coherence tomography changes. <i>Indian Journal of Ophthalmology Case Reports</i> , 2022, 2, 463.	0.0	0
1213	Neuroprotective Effects of Tauroursodeoxycholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 858073.	0.9	2
1214	Retinal Changes in Astrocytes and M μ ller Glia in a Mouse Model of Laser-Induced Glaucoma: A Time-Course Study. <i>Biomedicines</i> , 2022, 10, 939.	1.4	8
1250	Compensatory engulfment and M μ ller glia reactivity in the absence of microglia. <i>Glia</i> , 2022, 70, 1402-1425.	2.5	4
1251	Henle Fiber Layer Hemorrhage in Macular Telangiectasia Type 2: Is Right Eye Dominance Coincidence or Consequence?. <i>American Journal of Ophthalmology</i> , 2022, 241, 80-86.	1.7	2
1252	Visual deficits after traumatic brain injury. <i>Histology and Histopathology</i> , 2021, 36, 711-724.	0.5	4

#	ARTICLE	IF	CITATIONS
1257	Retinal Glutamate Neurotransmission: From Physiology to Pathophysiological Mechanisms of Retinal Ganglion Cell Degeneration. <i>Life</i> , 2022, 12, 638.	1.1	21
1258	Regulations of Retinal Inflammation: Focusing on MÄ¼ller Glia. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 898652.	1.8	11
1259	Specific ablation of Hippo signalling component <i>Yap1</i> in retinal progenitors and MÄ¼ller cells results in late onset retinal degeneration. <i>Journal of Cellular Physiology</i> , 2022, 237, 2673-2689.	2.0	3
1260	Statins Inhibit the Gliosis of MIO-M1, a MÄ¼ller Glial Cell Line Induced by TRPV4 Activation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5190.	1.8	3
1262	One-year follow-up of optical coherence tomography angiography microvascular findings: macular telangiectasia type 2 versus tamoxifen retinopathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 3479-3488.	1.0	2
1264	Insights into the developing fovea revealed by imaging. <i>Progress in Retinal and Eye Research</i> , 2022, 90, 101067.	7.3	8
1267	The essential role of N6-methyladenosine RNA methylation in complex eye diseases. <i>Genes and Diseases</i> , 2023, 10, 505-520.	1.5	6
1268	Biochemical mechanism underlying the pathogenesis of diabetic retinopathy and other diabetic complications in humans: the methanol-formaldehyde-formic acid hypothesis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 415-451.	0.9	0
1269	Spatial and Temporal Development of MÄ¼ller Glial Cells in hiPSC-Derived Retinal Organoids Facilitates the Cell Enrichment and Transcriptome Analysis. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	6
1270	High glucose induces an early and transient cytoprotective autophagy in retinal MÄ¼ller cells. <i>Endocrine</i> , 2022, 77, 221-230.	1.1	3
1271	MACULAR MICROVASCULATURE IN X-LINKED RETINOSCHISIS. <i>Retina</i> , 2022, 42, 1939-1949.	1.0	3
1272	Pigment epithelium-derived factor and its role in microvascular-related diseases. <i>Biochimie</i> , 2022, 200, 153-171.	1.3	6
1273	Protective activity of tert-butylhydroquinone against oxidative stress and apoptosis induced by glutamate agonizts in R28 cells and mice retina. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113117.	2.5	5
1274	Immune Cells in Subretinal Wound Healing and Fibrosis. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	8
1275	Upregulation of retinal VEGF and connexin 43 in murine nonarteritic anterior ischemic optic neuropathy induced with 577 nm laser. <i>Experimental Eye Research</i> , 2022, 225, 109139.	1.2	1
1276	<i>Cuscuta chinensis</i> Lam. Protects Against Light-Induced Retinal Degeneration: Therapeutic Implications for Photoreceptor Degenerative Disorders. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
1277	Tamoxifen maculopathy mimicking type-2 macular telangiectasia (MacTel-2). <i>Indian Journal of Ophthalmology Case Reports</i> , 2022, 2, 722.	0.0	0
1279	Embryonic nutritional hyperglycemia decreases cell proliferation in the zebrafish retina. <i>Histochemistry and Cell Biology</i> , 2022, 158, 401-409.	0.8	1

#	ARTICLE	IF	CITATIONS
1280	Crystallins Play a Crucial Role in Glaucoma and Promote Neuronal Cell Survival in an In Vitro Model Through Modulating Müller Cell Secretion. , 2022, 63, 3.		10
1281	Stage-Dependent Changes of Visual Function and Electrical Response of the Retina in the rd10 Mouse Model. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7
1282	Müller glia-derived exosomes and their microRNA cargo—potential for glaucoma therapies. , 2022, , 543-559.		0
1283	Effect of cytokine-induced alterations in extracellular matrix composition on diabetic retinopathy-relevant endothelial cell behaviors. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
1284	Quantitative approaches in multimodal fundus imaging: State of the art and future perspectives. <i>Progress in Retinal and Eye Research</i> , 2023, 92, 101111.	7.3	16
1285	THREE-DIMENSIONAL QUANTIFICATION OF INTRARETINAL CYSTOID SPACES ASSOCIATED WITH FULL-THICKNESS MACULAR HOLE. <i>Retina</i> , 2022, 42, 2267-2275.	1.0	3
1286	Changes of retinal structure and visual function in patients with demyelinating transverse myelitis. <i>Neurological Sciences</i> , 0, , .	0.9	2
1287	Expression and subcellular localization of <i>USH1C</i> /harmonin in human retina provides insights into pathomechanisms and therapy. <i>Human Molecular Genetics</i> , 2023, 32, 431-449.	1.4	3
1288	Axonal architecture of the mouse inner retina revealed by second harmonic generation. , 2022, 1, .		1
1289	SIG-1451, a Novel, Non-Steroidal Anti-Inflammatory Compound, Attenuates Light-Induced Photoreceptor Degeneration by Affecting the Inflammatory Process. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8802.	1.8	1
1290	Glia as a key factor in cell volume regulation processes of the central nervous system. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	2
1291	Non-vasogenic cystoid maculopathies. <i>Progress in Retinal and Eye Research</i> , 2022, 91, 101092.	7.3	9
1292	Long-acting formulation strategies for protein and peptide delivery in the treatment of PSED. <i>Journal of Controlled Release</i> , 2022, 350, 538-568.	4.8	5
1293	FMRP-related retinal phenotypes: Evidence of glutamate-glutamine metabolic cycle impairment. <i>Experimental Eye Research</i> , 2022, 224, 109238.	1.2	1
1294	Immune response in retinal degenerative diseases — Time to rethink?. <i>Progress in Neurobiology</i> , 2022, 219, 102350.	2.8	9
1295	Inhibiting the activation of MAPK (ERK1/2) in stressed Müller cells prevents photoreceptor degeneration. <i>Theranostics</i> , 2022, 12, 6705-6722.	4.6	8
1296	Various forms of glaucoma and their treatments. , 2022, , 251-288.		0
1297	Primary Lamellar Macular Holes: To Vit or Not to Vit. <i>Journal of Clinical Medicine</i> , 2022, 11, 5046.	1.0	5

#	ARTICLE	IF	CITATIONS
1298	Transgenic Overexpression of Myocilin Leads to Variable Ocular Anterior Segment and Retinal Alterations Associated with Extracellular Matrix Abnormalities in Adult Zebrafish. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9989.	1.8	5
1299	Differential Expression and Localization of ADAMTS Proteinases in Proliferative Diabetic Retinopathy. <i>Molecules</i> , 2022, 27, 5977.	1.7	2
1300	Cellular and molecular alterations in neurons and glial cells in inherited retinal degeneration. <i>Frontiers in Neuroanatomy</i> , 0, 16, .	0.9	5
1301	Retinal TRP channels: Cell-type-specific regulators of retinal homeostasis and multimodal integration. <i>Progress in Retinal and Eye Research</i> , 2023, 92, 101114.	7.3	13
1302	GSK3 Is a Central Player in Retinal Degenerative Diseases but a Challenging Therapeutic Target. <i>Cells</i> , 2022, 11, 2898.	1.8	6
1303	Serum glial fibrillary acidic protein and neurofilament light chain in patients with early treated phenylketonuria. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	1
1304	Ocular Lymphatic and Glymphatic Systems: Implications for Retinal Health and Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10139.	1.8	3
1305	Lipid metabolism and retinal diseases. <i>Acta Ophthalmologica</i> , 2022, 100, 3-43.	0.6	4
1306	Effect of foveal morphology on visual acuity in 4-6-year-old children with retinopathy of prematurity: a J-CREST study. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
1307	Visible Light Optical Coherence Tomography Reveals the Relationship of the Myoid and Ellipsoid to Band 2 in Humans. <i>Translational Vision Science and Technology</i> , 2022, 11, 3.	1.1	8
1308	Nonarteritic Anterior Ischemic Optic Neuropathy. <i>Ophthalmology Science</i> , 2023, 3, 100230.	1.0	4
1309	Choriocapillary regional characteristics in idiopathic macular holes using optical coherence tomography angiography. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 40, 103131.	1.3	2
1310	Molecular Mechanisms of Neural Plasticity: From Basic Research to Implications for Visual Functional Rescue. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13183.	1.8	0
1311	Diabetic Macular Edema: Current Understanding, Molecular Mechanisms and Therapeutic Implications. <i>Cells</i> , 2022, 11, 3362.	1.8	45
1313	Structure-function correlates of vision loss in neuromyelitis optica spectrum disorders. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
1314	Studies of the retinal microcirculation using human donor eyes and high-resolution clinical imaging: Insights gained to guide future research in diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , 2023, 94, 101134.	7.3	6
1315	Macular Telangiectasia Type 2: A Comprehensive Review. <i>Clinical Ophthalmology</i> , 0, Volume 16, 3297-3309.	0.9	7
1316	Semaphorin 3A Inhibits Endoplasmic Reticulum Stress Induced by High Glucose in Müller Cells. <i>Current Eye Research</i> , 2023, 48, 70-79.	0.7	2

#	ARTICLE	IF	CITATIONS
1317	Osmotic gradients and transretinal water flow—a quantitative elemental microanalytical study of frozen hydrated chick eyes. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	1
1318	Highly Efficient Photodynamic Therapy with Mitochondria-Targeting Aggregation-Induced Emission Photosensitizer for Retinoblastoma. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	2
1319	Heat Shock Protein Upregulation Supplemental to Complex mRNA Alterations in Autoimmune Glaucoma. <i>Biomolecules</i> , 2022, 12, 1538.	1.8	2
1320	Comparison of fractal and grid electrodes for studying the effects of spatial confinement on dissociated retinal neuronal and glial behavior. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1321	Innate immunity dysregulation in aging eye and therapeutic interventions. <i>Ageing Research Reviews</i> , 2022, 82, 101768.	5.0	3
1322	Diabetes mellitus associated neurovascular lesions in the retina and brain: A review. <i>Frontiers in Ophthalmology</i> , 0, 2, .	0.2	3
1323	Regulatory effect of long-stranded non-coding RNA-CRNDE on neurodegeneration during retinal ischemia-reperfusion. <i>Heliyon</i> , 2022, 8, e10994.	1.4	2
1324	The OCT angular sign of Henle fiber layer (HFL) hyperreflectivity (ASHH) and the pathoanatomy of the HFL in macular disease. <i>Progress in Retinal and Eye Research</i> , 2023, 95, 101135.	7.3	14
1326	Aquaporin 11 alleviates retinal Müller intracellular edema through water efflux in diabetic retinopathy. <i>Pharmacological Research</i> , 2023, 187, 106559.	3.1	5
1327	EphA4/ephrinA3 reverse signaling induced Müller cell gliosis and production of pro-inflammatory cytokines in experimental glaucoma. <i>Brain Research</i> , 2023, 1801, 148204.	1.1	1
1328	Destabilizing COXIV in Müller Glia Increases Retinal Glycolysis and Alters Scotopic Electroretinogram. <i>Cells</i> , 2022, 11, 3756.	1.8	0
1329	<sc>EphA4</sc>/<sc>ephrinA3</sc> reverse signaling mediated downregulation of glutamate transporter <sc>GLAST</sc> in Müller cells in an experimental glaucoma model. <i>Glia</i> , 2023, 71, 720-741.	2.5	3
1330	Cell Sources for Retinal Regeneration: Implication for Data Translation in Biomedicine of the Eye. <i>Cells</i> , 2022, 11, 3755.	1.8	2
1331	Photochemical Restoration of Light Sensitivity in the Degenerated Canine Retina. <i>Pharmaceutics</i> , 2022, 14, 2711.	2.0	1
1332	Aldosterone as a Possible Contributor to Eye Diseases. <i>Endocrinology</i> , 2022, 164, .	1.4	2
1333	RWC Update: Lamellar Macular Holes: A State of Confusion!; Peripapillary Pachychoroid Syndrome with Unilateral Diffuse Uveal Melanocytic Proliferation. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2022, 53, 654-658.	0.4	0
1334	Translational response of retinal Müller glia to acute and chronic stress. <i>Neurobiology of Disease</i> , 2022, 175, 105931.	2.1	9
1335	The role of retinal Müller cells in diabetic retinopathy and related therapeutic advances. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5

#	ARTICLE	IF	CITATIONS
1336	Mitochondria and Endoplasmic Reticulum Stress in Retinal Organoids from Patients with Vision Loss. <i>American Journal of Pathology</i> , 2023, 193, 1721-1739.	1.9	6
1337	Glial Bmal1 role in mammalian retina daily changes. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1338	The Role of Inflammation and Therapeutic Concepts in Diabetic Retinopathy—A Short Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1024.	1.8	16
1340	Enhanced glaucomatous damage accompanied by glial response in a new multifactorial mouse model. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
1342	GliaMorph: a modular image analysis toolkit to quantify Müller glial cell morphology. <i>Development (Cambridge)</i> , 2023, 150, .	1.2	3
1343	Müller glial cell photosensitivity: A novel function bringing higher complexity to vertebrate retinal physiology. <i>Journal of Photochemistry and Photobiology</i> , 2023, 13, 100162.	1.1	1
1344	Ketorolac and (-)-Epicatechin change retinal GFAP and NRF2 expression on hyperglycemic CD1 mice. <i>Journal of Neuroimmunology</i> , 2023, 375, 578018.	1.1	1
1345	Internal limiting membrane detachment in acute Central Retinal Artery Occlusion: clinical features, multimodal imaging, outcomes & prognostic biomarker. <i>International Journal of Retina and Vitreous</i> , 2022, 8, .	0.9	1
1346	Ginkgo biloba extracts protect human retinal Müller glial cells from BHP induced oxidative damage by activating the AMPK-Nrf2-NQO-1 axis. <i>Journal of Pharmacy and Pharmacology</i> , 0, .	1.2	1
1348	Blood urea nitrogen, a marker for severe retinopathy of prematurity?. <i>Journal of Perinatology</i> , 0, .	0.9	0
1349	Finerenone, a Non-Steroidal Mineralocorticoid Receptor Antagonist, Reduces Vascular Injury and Increases Regulatory T-Cells: Studies in Rodents with Diabetic and Neovascular Retinopathy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2334.	1.8	4
1350	Comparative Analysis of Retinal Organotypic Cultures and In Vivo Axotomized Retinas. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3481.	1.8	1
1351	Integrative Single-Cell Transcriptomics and Epigenomics Mapping of the Fetal Retina Developmental Dynamics. <i>Advanced Science</i> , 2023, 10, .	5.6	1
1352	Geranylgeranylacetone-induced heat shock protein70 expression reduces retinal ischemia-reperfusion injury through PI3K/AKT/mTOR signaling. <i>Experimental Eye Research</i> , 2023, 229, 109416.	1.2	4
1353	Gene therapy strategies for glaucoma from IOP reduction to retinal neuroprotection: Progress towards non-viral systems. <i>Advanced Drug Delivery Reviews</i> , 2023, 196, 114781.	6.6	10
1354	Posterior vitreous cortex hyalocytes visualization in asymmetric pigmented paravenous chorioretinal atrophy (PPCRA) using en face OCT. <i>American Journal of Ophthalmology Case Reports</i> , 2023, 30, 101846.	0.4	2
1355	Mustard gas exposure instigates retinal Müller cell gliosis. <i>Experimental Eye Research</i> , 2023, 230, 109461.	1.2	1
1356	Elucidating glial responses to products of diabetes-associated systemic dyshomeostasis. <i>Progress in Retinal and Eye Research</i> , 2023, 94, 101151.	7.3	2

#	ARTICLE	IF	CITATIONS
1357	Diabetic retinopathy in the pediatric population: Pathophysiology, screening, current and future treatments. <i>Pharmacological Research</i> , 2023, 188, 106670.	3.1	3
1358	Aquaporins in Eye. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 203-209.	0.8	0
1359	Activation of retinal glial cells contributes to the degeneration of ganglion cells in experimental glaucoma. <i>Progress in Retinal and Eye Research</i> , 2023, 93, 101169.	7.3	16
1360	Retinal Tissue Shows Glial Changes in a Dravet Syndrome Knock-in Mouse Model. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2727.	1.8	0
1361	Protective Effect of NO ₂ -OA on Oxidative Stress, Gliosis, and Pro-Angiogenic Response in Müller Glial Cells. <i>Cells</i> , 2023, 12, 494.	1.8	4
1362	A bibliometric analysis of apoptosis in glaucoma. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	4
1363	Therapeutic Potential of PTBP1 Inhibition, If Any, Is Not Attributed to Glia-to-Neuron Conversion. <i>Annual Review of Neuroscience</i> , 2023, 46, 1-15.	5.0	7
1364	The effect of retinal perfusion on the bioelectric activity of the retina in full-thickness macular holes. <i>Ophthalmology Journal</i> , 2023, 15, 7-14.	0.1	0
1365	Towards a New Biomarker for Diabetic Retinopathy: Exploring RBP3 Structure and Retinoids Binding for Functional Imaging of Eyes In Vivo. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4408.	1.8	2
1366	Microglia activation and neuronal alterations in retinas from COVID-19 patients: correlation with clinical parameters. <i>Eye and Vision (London, England)</i> , 2023, 10, .	1.4	1
1367	Characterization of Different Types of Epiretinal Proliferations by Synchrotron Radiation-Based Fourier Transform Infrared Micro-Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4834.	1.8	1
1368	Loss of Müller cell glutamine synthetase immunoreactivity is associated with neuronal changes in late-stage retinal degeneration. <i>Frontiers in Neuroanatomy</i> , 0, 17, .	0.9	3
1369	Henle's Fiber Layer Thickness and Area Measurement in Type 2 Diabetes Mellitus with and without Retinopathy Using a Modified Directional Optical Coherence Tomography Strategy. <i>Retina</i> , 2023, Publish Ahead of Print, .	1.0	0
1370	A Dual-Drug Nanohybrid System Incorporating Nimodipine and Brain-Derived Neurotrophic Factor Promotes Retinal Ganglion Cells Survival. <i>Advanced Therapeutics</i> , 2023, 6, .	1.6	0
1371	Low-Intensity Blue Light Exposure Reduces Melanopsin Expression in Intrinsically Photosensitive Retinal Ganglion Cells and Damages Mitochondria in Retinal Ganglion Cells in Wistar Rats. <i>Cells</i> , 2023, 12, 1014.	1.8	1
1372	Chromatin access regulates the formation of Müller glia-derived progenitor cells in the retina. <i>Glia</i> , 2023, 71, 1729-1754.	2.5	7
1373	Transcriptomics of CD29+/CD44+ cells isolated from hPSC retinal organoids reveals a single cell population with retinal progenitor and Müller glia characteristics. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
1374	Neurodegeneration and microangiopathy in diabetic retina and choroid. , 2024, , 145-168.		0

#	ARTICLE	IF	CITATIONS
1375	The pathogenic role of apoptosis in the development of diabetic retinopathy. , 2024, , 89-112.		0
1376	Pathogenesis of diabetic macular edema. , 2024, , 197-213.		0
1377	Organoid-derived human retinal progenitor cells promote early dedifferentiation of Müller glia in Royal College of Surgeons rats. International Journal of Ophthalmology, 2023, 16, 483-498.	0.5	1
1378	A corneo-retinal hypercitrullination axis underlies ocular injury to nitrogen mustard. Experimental Eye Research, 2023, 231, 109485.	1.2	2
1379	Drug targeting PIWI like protein-piRNA complex, a novel paradigm in the therapeutic framework of retinoblastoma. , 2023, , 329-386.		0
1380	Homeostasis and dyshomeostasis of the retina. , 2023, 2, .		1
1381	CCNâ€Hippo YAP signaling in vision and its role in neuronal, glial and vascular cell function and behavior. Journal of Cell Communication and Signaling, 2023, 17, 255-262.	1.8	1
1383	Glia of special senses. , 2023, , 449-471.		0
1393	Inflammatory and immunological aspects of glaucoma, optic neuritis, and neuromyelitis optica impacting eyesight. , 2023, , 287-329.		0
1394	Application of iPSC and Müller glia derivatives in retinal degenerative diseases. Progress in Molecular Biology and Translational Science, 2023, , .	0.9	0
1398	Diabetes Mellitus Associated Progressive Neurovascular Retinal Injury. , 2023, , 309-340.		0
1403	Immunohistochemistry for the non-human primate. , 2023, , 553-586.		0
1408	Single-Cell Transcriptomic Profiling of Müller Glia in the rd10 Retina. Advances in Experimental Medicine and Biology, 2023, , 377-381.	0.8	1
1433	Current design and advances of hydrogel for retinal tissue engineering and regenerative medicine. , 2024, , 691-724.		0
1449	Microstructural and hemodynamic changes in the fundus after pars plana vitrectomy for different vitreoretinal diseases. Graefé's Archive for Clinical and Experimental Ophthalmology, 0, , .	1.0	3
1458	Diabetic Macular Edema, Clinicopathologic and Keys for Management. , 0, , .		0
1499	Fractal Resonance: Can Fractal Geometry Be Used to Optimize the Connectivity of Neurons to Artificial Implants?. Advances in Neurobiology, 2024, , 877-906.	1.3	0