

Andreas Bringmann

List of Publications by Year in descending order

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171
papers

10,113
citations

53660

45
h-index

43802

91
g-index

171
all docs

171
docs citations

171
times ranked

6826
citing authors

#	ARTICLE	IF	CITATIONS
1	Müller cells in the healthy and diseased retina. <i>Progress in Retinal and Eye Research</i> , 2006, 25, 397-424.	7.3	1,500
2	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
3	New functions of Müller cells. <i>Glia</i> , 2013, 61, 651-678.	2.5	564
4	Müller Glial Cells in Retinal Disease. <i>Ophthalmologica</i> , 2012, 227, 1-19.	1.0	325
5	Pathomechanisms of Cystoid Macular Edema. <i>Ophthalmic Research</i> , 2004, 36, 241-249.	1.0	250
6	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
7	Role of retinal glial cells in neurotransmitter uptake and metabolism. <i>Neurochemistry International</i> , 2009, 54, 143-160.	1.9	226
8	The primate fovea: Structure, function and development. <i>Progress in Retinal and Eye Research</i> , 2018, 66, 49-84.	7.3	221
9	Role of Muller cells in retinal degenerations. <i>Frontiers in Bioscience - Landmark</i> , 2001, 6, e77.	3.0	201
10	A potassium channel-linked mechanism of glial cell swelling in the postischemic retina. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 493-502.	1.0	200
11	Kir potassium channel subunit expression in retinal glial cells: Implications for spatial potassium buffering. <i>Glia</i> , 2002, 39, 292-303.	2.5	189
12	Diabetes Alters Osmotic Swelling Characteristics and Membrane Conductance of Glial Cells in Rat Retina. <i>Diabetes</i> , 2006, 55, 633-639.	0.3	184
13	Purinergic signaling in special senses. <i>Trends in Neurosciences</i> , 2009, 32, 128-141.	4.2	174
14	Glia of the human retina. <i>Glia</i> , 2020, 68, 768-796.	2.5	173
15	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
16	Reactive glial cells: increased stiffness correlates with increased intermediate filament expression. <i>FASEB Journal</i> , 2011, 25, 624-631.	0.2	148
17	GABA and Glutamate Uptake and Metabolism in Retinal Glial (Müller) Cells. <i>Frontiers in Endocrinology</i> , 2013, 4, 48.	1.5	130
18	Glial Cell Reactivity in a Porcine Model of Retinal Detachment. , 2006, 47, 2161.		124

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19	Role of glial K ⁺ channels in ontogeny and gliosis: A hypothesis based upon studies on Müller cells. , 2000, 29, 35-44.		121
20	Neuronal versus glial cell swelling in the ischaemic retina. Acta Ophthalmologica, 2005, 83, 528-538.	0.4	105
21	P2Y Receptor-Mediated Stimulation of Müller Glial Cell DNA Synthesis: Dependence on EGF and PDGF Receptor Transactivation. , 2003, 44, 1211.		101
22	Glutamate release by neurons evokes a purinergic inhibitory mechanism of osmotic glial cell swelling in the rat retina: Activation by neuropeptide Y. Journal of Neuroscience Research, 2006, 83, 538-550.	1.3	93
23	Retinal Gene Expression and Müller Cell Responses after Branch Retinal Vein Occlusion in the Rat. , 2009, 50, 2359.		90
24	The Glucocorticoid Triamcinolone Acetonide Inhibits Osmotic Swelling of Retinal Glial Cells via Stimulation of Endogenous Adenosine Signaling. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 1036-1045.	1.3	78
25	Selective staining by vital dyes of Müller glial cells in retinal wholemounts. Glia, 2004, 45, 59-66.	2.5	75
26	Ocular inflammation alters swelling and membrane characteristics of rat Müller glial cells. Journal of Neuroimmunology, 2005, 161, 145-154.	1.1	74
27	Glutamate-Evoked Alterations of Glial and Neuronal Cell Morphology in the Guinea Pig Retina. Journal of Neuroscience, 2004, 24, 10149-10158.	1.7	72
28	Müller Cell Response to Blue Light Injury of the Rat Retina. , 2008, 49, 3559.		72
29	Purinergic signaling involved in Müller cell function in the mammalian retina. Progress in Retinal and Eye Research, 2011, 30, 324-342.	7.3	71
30	Purinergic signaling in retinal degeneration and regeneration. Neuropharmacology, 2016, 104, 194-211.	2.0	67
31	Mammalian retinal glial (Müller) cells express large-conductance Ca ²⁺ -activated K ⁺ channels that are modulated by Mg ²⁺ and pH and activated by protein kinase A. , 1997, 19, 311-323.		63
32	Müller glial cells of the primate foveola: An electron microscopical study. Experimental Eye Research, 2018, 167, 110-117.	1.2	63
33	Expression of aquaporin-1 immunoreactivity by photoreceptor cells in the mouse retina. Neuroscience Letters, 2005, 388, 96-99.	1.0	62
34	Activation of P2Y receptors stimulates potassium and cation currents in acutely isolated human Müller (glial) cells. Glia, 2002, 37, 139-152.	2.5	59
35	Deletion of aquaporin-4 renders retinal glial cells more susceptible to osmotic stress. Journal of Neuroscience Research, 2010, 88, 2877-2888.	1.3	59
36	Diabetes alters the localization of glial aquaporins in rat retina. Neuroscience Letters, 2007, 421, 132-136.	1.0	58

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37	Early Activation of Inflammation- and Immune Response-Related Genes after Experimental Detachment of the Porcine Retina. , 2008, 49, 1262.		56
38	High-affinity GABA uptake in retinal glial (Müller) cells of the guinea pig: Electrophysiological characterization, immunohistochemical localization, and modeling of efficiency. <i>Glia</i> , 2002, 39, 217-228.	2.5	54
39	Altered membrane physiology in Müller glial cells after transient ischemia of the rat retina. <i>Glia</i> , 2005, 50, 1-11.	2.5	54
40	Diversity of aquaporin mRNA expressed by rat and human retinas. <i>NeuroReport</i> , 2005, 16, 53-56.	0.6	53
41	Ischemia-reperfusion alters the immunolocalization of glial aquaporins in rat retina. <i>Neuroscience Letters</i> , 2006, 408, 108-112.	1.0	53
42	Expression of CXCL8, CXCR1, and CXCR2 in Neurons and Glial Cells of the Human and Rabbit Retina. , 2008, 49, 4578.		53
43	Atypical gliosis in Müller cells of the slowly degenerating rds mutant mouse retina. <i>Experimental Eye Research</i> , 2006, 82, 449-457.	1.2	50
44	The developmental expression of K ⁺ channels in retinal glial cells is associated with a decrease of osmotic cell swelling. <i>Glia</i> , 2006, 54, 411-423.	2.5	49
45	Glial cell-derived glutamate mediates autocrine cell volume regulation in the retina: activation by VEGF. <i>Journal of Neurochemistry</i> , 2008, 104, 386-399.	2.1	49
46	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
47	Glial cell-mediated spread of retinal degeneration during detachment: A hypothesis based upon studies in rabbits. <i>Vision Research</i> , 2005, 45, 2256-2267.	0.7	48
48	Differential regulation of Kir4.1 and Kir2.1 expression in the ischemic rat retina. <i>Neuroscience Letters</i> , 2006, 396, 97-101.	1.0	48
49	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
50	Expression and signaling of NGF in the healthy and injured retina. <i>Cytokine and Growth Factor Reviews</i> , 2017, 34, 43-57.	3.2	48
51	Effects of the vegetable polyphenols epigallocatechin-3-gallate, luteolin, apigenin, myricetin, quercetin, and cyanidin in primary cultures of human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2014, 20, 242-58.	1.1	47
52	Diversity of Kir channel subunit mRNA expressed by retinal glial cells of the guinea-pig. <i>NeuroReport</i> , 2002, 13, 1037-1040.	0.6	46
53	P2Y receptor-mediated stimulation of Müller glial DNA synthesis. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 766-73.	3.3	46
54	Effects of Ischemia-Reperfusion on Physiological Properties of Müller Glial Cells in the Porcine Retina. , 2011, 52, 3360.		45

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55	Characterization of the basic fibroblast growth factor-evoked proliferation of the human M μ ller cell line, MIO-M1. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 414-422.	1.0	44
56	Early Glial Cell Reactivity in Experimental Retinal Detachment: Effect of Suramin. , 2003, 44, 4114.		43
57	Ectonucleotidases in M μ ller glial cells of the rodent retina: Involvement in inhibition of osmotic cell swelling. Purinergic Signalling, 2007, 3, 423-433.	1.1	43
58	Purinergic receptor activation inhibits osmotic glial cell swelling in the diabetic rat retina. Experimental Eye Research, 2008, 87, 385-393.	1.2	43
59	Spontaneous closure of small full-thickness macular holes: Presumed role of M μ ller cells. Acta Ophthalmologica, 2020, 98, e447-e456.	0.6	43
60	Membrane conductance of M μ ller glial cells in proliferative diabetic retinopathy. Canadian Journal of Ophthalmology, 2002, 37, 221-227.	0.4	42
61	Structure and function of the bird fovea. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2019, 48, 177-200.	0.3	41
62	Changes in Membrane Conductance Play a Pathogenic Role in Osmotic Glial Cell Swelling in Detached Retinas. American Journal of Pathology, 2006, 169, 1990-1998.	1.9	40
63	Expression and function of P2Y receptors on M μ ller cells of the postnatal rat retina. Glia, 2009, 57, 1680-1690.	2.5	40
64	Signaling pathways involved in PDGF-evoked cellular responses in human RPE cells. Biochemical and Biophysical Research Communications, 2006, 344, 912-919.	1.0	38
65	The human M μ ller cell line MIO-M1 expresses opsins. Molecular Vision, 2011, 17, 2738-50.	1.1	38
66	Upregulation of extracellular ATP-induced M μ ller cell responses in a dispare model of proliferative vitreoretinopathy. Investigative Ophthalmology and Visual Science, 2002, 43, 870-81.	3.3	38
67	Expression of Aquaporins in the Retina of Diabetic Rats. Current Eye Research, 2011, 36, 850-856.	0.7	37
68	ATP-evoked calcium responses of radial glial (M μ ller) cells in the postnatal rabbit retina. Journal of Neuroscience Research, 2002, 70, 209-218.	1.3	36
69	Involvement of oxidative stress and mitochondrial dysfunction in the osmotic swelling of retinal glial cells from diabetic rats. Experimental Eye Research, 2011, 92, 87-93.	1.2	36
70	Neuropeptide Y-evoked proliferation of retinal glial (M μ ller) cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 944-950.	1.0	34
71	Light stimulation evokes two different calcium responses in M μ ller glial cells of the guinea pig retina. European Journal of Neuroscience, 2009, 29, 1165-1176.	1.2	34
72	P2Y1 Receptor Signaling Contributes to High Salt-Induced Priming of the NLRP3 Inflammasome in Retinal Pigment Epithelial Cells. PLoS ONE, 2016, 11, e0165653.	1.1	34

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73	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
74	Changes in retinal gene expression in proliferative vitreoretinopathy: glial cell expression of HB-EGF. <i>Molecular Vision</i> , 2005, 11, 397-413.	1.1	33
75	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
76	Two different populations of Müller cells stabilize the structure of the fovea: an optical coherence tomography study. <i>International Ophthalmology</i> , 2020, 40, 2931-2948.	0.6	32
77	Nerve growth factor inhibits osmotic swelling of rat retinal glial (Müller) and bipolar cells by inducing glial cytokine release. <i>Journal of Neurochemistry</i> , 2014, 131, 303-313.	2.1	31
78	Expression of aquaporin-9 immunoreactivity by catecholaminergic amacrine cells in the rat retina. <i>Neuroscience Letters</i> , 2006, 398, 264-267.	1.0	30
79	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
80	Osmotic Induction of Angiogenic Growth Factor Expression in Human Retinal Pigment Epithelial Cells. <i>PLoS ONE</i> , 2016, 11, e0147312.	1.1	30
81	Ischemia-Reperfusion Causes Exudative Detachment of the Rabbit Retina. , 2005, 46, 2592.		29
82	Localization of aquaporin-0 immunoreactivity in the rat retina. <i>Neuroscience Letters</i> , 2007, 426, 81-86.	1.0	29
83	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
84	Müller cells and astrocytes in tractional macular disorders. <i>Progress in Retinal and Eye Research</i> , 2022, 86, 100977.	7.3	29
85	Glial cell expression of hepatocyte growth factor in vitreoretinal proliferative disease. <i>Laboratory Investigation</i> , 2004, 84, 963-972.	1.7	28
86	GABA receptors in Müller glial cells of the human retina. <i>Glia</i> , 2004, 46, 302-310.	2.5	28
87	Morphology of partial-thickness macular defects: presumed roles of Müller cells and tissue layer interfaces of low mechanical stability. <i>International Journal of Retina and Vitreous</i> , 2020, 6, 28.	0.9	28
88	Age-related decrease of potassium currents in glial (Müller) cells of the human retina. <i>Canadian Journal of Ophthalmology</i> , 2003, 38, 464-468.	0.4	27
89	Sex Steroids Inhibit Osmotic Swelling of Retinal Glial Cells. <i>Neurochemical Research</i> , 2010, 35, 522-530.	1.6	27
90	Basic Fibroblast Growth Factor Contributes to a Shift in the Angioregulatory Activity of Retinal Glial (Müller) Cells. <i>PLoS ONE</i> , 2013, 8, e68773.	1.1	27

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91	HB-EGF: Increase in the ischemic rat retina and inhibition of osmotic glial cell swelling. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 310-318.	1.0	25
92	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
93	Transcriptional Regulation of Aquaporins in the Ischemic Rat Retina: Upregulation of Aquaporin-9. <i>Current Eye Research</i> , 2012, 37, 524-531.	0.7	25
94	Electrophysiological characterization of retinal Müller glial cells from mouse during postnatal development: Comparison with rabbit cells. <i>Glia</i> , 2002, 38, 268-272.	2.5	24
95	Experimental Disposition-Induced Retinopathy Causes Up-Regulation of P2Y Receptor-Mediated Calcium Responses in Müller Glial Cells. <i>Ophthalmic Research</i> , 2003, 35, 30-41.	1.0	24
96	Immunolocalization of aquaporin-6 in the rat retina. <i>Neuroscience Letters</i> , 2011, 490, 130-134.	1.0	23
97	Different modes of full-thickness macular hole formation. <i>Experimental Eye Research</i> , 2021, 202, 108393.	1.2	23
98	Downregulation of Kir4.1 in the cerebral cortex of rats with liver failure and in cultured astrocytes treated with glutamine: Implications for astrocytic dysfunction in hepatic encephalopathy. <i>Journal of Neuroscience Research</i> , 2011, 89, 2018-2027.	1.3	22
99	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
100	Müller Cell Reactivity in Response to Photoreceptor Degeneration in Rats with Defective Polycystin-2. <i>PLoS ONE</i> , 2013, 8, e61631.	1.1	22
101	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
102	Biomechanical properties of retinal glial cells: Comparative and developmental data. <i>Experimental Eye Research</i> , 2013, 113, 60-65.	1.2	21
103	Role of Purines in Müller Glia. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 518-533.	0.6	21
104	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
105	Protein kinases A and C are opponents in modulating glial Ca ²⁺ -activated K ⁺ channels. <i>NeuroReport</i> , 1999, 10, 1323-1327.	0.6	20
106	Atrial natriuretic peptide inhibits osmotic glial cell swelling in the ischemic rat retina: Dependence on glutamatergic-purinergic signaling. <i>Experimental Eye Research</i> , 2006, 83, 962-971.	1.2	20
107	Effects of intravitreal triamcinolone acetonide on retinal gene expression in a rat model of central retinal vein occlusion. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1175-1183.	1.0	20
108	Müller glial cells contribute to dim light vision in the spectacled caiman (<i>Caiman crocodilus fuscus</i>) <i>Tj ETQq0 0 0,rgBT /Overlock 10 Tf</i>	1.2	20

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109	Thrombospondin-1 Is Produced by Retinal Glial Cells and Inhibits the Growth of Vascular Endothelial Cells. <i>Ophthalmic Research</i> , 2014, 52, 81-88.	1.0	19
110	Two different mechanosensitive calcium responses in Müller glial cells of the guinea pig retina: Differential dependence on purinergic receptor signaling. <i>Glia</i> , 2017, 65, 62-74.	2.5	19
111	Hypoxic expression of NLRP3 and VEGF in cultured retinal pigment epithelial cells: contribution of P2Y2 receptor signaling. <i>Purinergic Signalling</i> , 2018, 14, 471-484.	1.1	19
112	Different modes of foveal regeneration after closure of full-thickness macular holes by (re)vitrectomy and autologous platelet concentrate. <i>International Journal of Ophthalmology</i> , 2020, 13, 36-48.	0.5	19
113	Upregulation of purinergic P2Y receptor-mediated calcium responses in glial cells during experimental detachment of the rabbit retina. <i>Neuroscience Letters</i> , 2003, 338, 131-134.	1.0	18
114	Endothelin receptors in the detached retina of the pig. <i>Neuroscience Letters</i> , 2005, 384, 72-75.	1.0	18
115	Chemotactic and Cytotoxic Effects of Minocycline on Human Retinal Pigment Epithelial Cells. , 2010, 51, 2721.		18
116	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
117	Activated Blood Coagulation Factor X (FXa) Induces Angiogenic Growth Factor Expression in Human Retinal Pigment Epithelial Cells. , 2012, 53, 5930.		17
118	Cone-to-Müller 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
119	Farnesol modulates membrane currents in human retinal glial cells. <i>Journal of Neuroscience Research</i> , 2000, 62, 396-402.	1.3	16
120	Synergistic action of hypoosmolarity and glutamine in inducing acute swelling of retinal glial (Müller) cells. <i>Glia</i> , 2011, 59, 256-266.	2.5	16
121	Effects of arteriolar constriction on retinal gene expression and Müller cell responses in a rat model of branch retinal vein occlusion. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2014, 252, 257-265.	1.0	16
122	Sigma-1 receptor activation inhibits osmotic swelling of rat retinal glial (Müller) cells by transactivation of glutamatergic and purinergic receptors. <i>Neuroscience Letters</i> , 2016, 610, 13-18.	1.0	15
123	Retinal adaptation to dim light vision in spectacled caimans (<i>Caiman crocodilus fuscus</i>): Analysis of retinal ultrastructure. <i>Experimental Eye Research</i> , 2018, 173, 160-178.	1.2	15
124	Heterogeneous expression of Ca ²⁺ dependent K ⁺ currents by Müller glial cells. <i>NeuroReport</i> , 1997, 8, 3841-3845.	0.6	14
125	Physiological properties of retinal Müller glial cells from the cynomolgus monkey, <i>Macaca fascicularis</i> : a comparison to human Müller cells. <i>Vision Research</i> , 2005, 45, 1781-1791.	0.7	14
126	Effect of Intravitreal Anti-Vascular Endothelial Growth Factor Treatment on the Retinal Gene Expression in Acute Experimental Central Retinal Vein Occlusion. <i>Ophthalmic Research</i> , 2012, 47, 157-162.	1.0	14

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127	Transcriptional regulation of aquaporin-3 in human retinal pigment epithelial cells. <i>Molecular Biology Reports</i> , 2012, 39, 7949-7956.	1.0	14
128	The ultrastructure of rabbit sclera after scleral crosslinking with riboflavin and blue light of different intensities. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1567-1577.	1.0	14
129	Degenerative lamellar macular holes: tractional development and morphological alterations. <i>International Ophthalmology</i> , 2021, 41, 1203-1221.	0.6	14
130	Osmotic and hypoxic induction of the complement factor C9 in cultured human retinal pigment epithelial cells: Regulation of VEGF and NLRP3 expression. <i>Molecular Vision</i> , 2018, 24, 518-535.	1.1	14
131	ADP \hat{P} 2S evokes microglia activation in the rabbit retina in vivo. <i>Purinergic Signalling</i> , 2005, 1, 383-387.	1.1	13
132	Effects of intravitreal bevacizumab (Avastin) on the porcine retina. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1821-1829.	1.0	13
133	In vitro drusen model: three-dimensional spheroid culture of retinal pigment epithelial cells. <i>Journal of Cell Science</i> , 2018, 132, .	1.2	13
134	Physiologic Properties of M \hat{A} 1/4ller Cells from Human Eyes Affected with Uveal Melanoma. , 2012, 53, 4170.		12
135	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
136	P2 receptors on macroglial cells: Functional implications for gliosis. <i>Drug Development Research</i> , 2001, 53, 140-147.	1.4	11
137	Impaired Purinergic Regulation of the Glial (M \hat{A} 1/4ller) Cell Volume in the Retina of Transgenic Rats Expressing Defective Polycystin-2. <i>Neurochemical Research</i> , 2016, 41, 1784-1796.	1.6	10
138	Osmotic expression of aldose reductase in retinal pigment epithelial cells: involvement of NFAT5. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 2387-2400.	1.0	10
139	Foveal configurations with disappearance of the foveal pit in eyes with macular pucker: Presumed role of M \hat{A} 1/4ller cells in the formation of foveal herniation. <i>Experimental Eye Research</i> , 2021, 207, 108604.	1.2	10
140	Arachidonic acid-induced inhibition of Ca ²⁺ channel currents in retinal glial (M \hat{A} 1/4ller) cells. , 2001, 239, 859-864.		9
141	Porcine M \hat{A} 1/4ller Glial Cells Increase Expression of BKCaChannels in Retinal Detachment. <i>Current Eye Research</i> , 2007, 32, 143-151.	0.7	9
142	Osmotic induction of placental growth factor in retinal pigment epithelial cells in vitro: contribution of NFAT5 activity. <i>Molecular Biology Reports</i> , 2016, 43, 803-814.	1.0	9
143	M \hat{A} 1/4ller Cells in the Healthy Retina. , 2010, , 35-214.		9
144	Gene expression regulation in retinal pigment epithelial cells induced by viral RNA and viral/bacterial DNA. <i>Molecular Vision</i> , 2015, 21, 1000-16.	1.1	9

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145	Serum albumin induces osmotic swelling of rat retinal glial cells. <i>Brain Research</i> , 2010, 1317, 268-276.	1.1	8
146	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
147	Osmotic regulation of expression in RPE cells: The involvement of purinergic receptor signaling. <i>Molecular Vision</i> , 2017, 23, 116-130.	1.1	8
148	Effect of β 2-macroglobulin on retinal glial cell proliferation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2005, 243, 811-816.	1.0	7
149	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
150	Retinal Glia. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2015, 2, 1-644.	0.5	5
151	Endothelins Inhibit Osmotic Swelling of Rat Retinal Glial and Bipolar Cells by Activation of Growth Factor Signaling. <i>Neurochemical Research</i> , 2016, 41, 2598-2606.	1.6	5
152	Activator protein-1 contributes to the NaCl-induced expression of VEGF and PlGF in RPE cells. <i>Molecular Vision</i> , 2018, 24, 647-666.	1.1	5
153	Osmotic induction of cyclooxygenase-2 in RPE cells: Stimulation of inflammasome activation. <i>Molecular Vision</i> , 2019, 25, 329-344.	1.1	5
154	Osmotic and hypoxic induction of osteopontin in retinal pigment epithelial cells: Involvement of purinergic receptor signaling. <i>Molecular Vision</i> , 2020, 26, 188-203.	1.1	5
155	Triamcinolone Does Not Alter Glial Cell Activation in the Experimentally Detached Rabbit Retina. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2005, 21, 266-274.	0.6	4
156	Foveal regeneration after resolution of cystoid macular edema without and with internal limiting membrane detachment: presumed role of glial cells for foveal structure stabilization. <i>International Journal of Ophthalmology</i> , 2021, 14, 818-833.	0.5	4
157	Glio-Neuronal Interactions in Retinal Development. , 1998, , 121-146.		4
158	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
159	Hypoxic and osmotic expression of Kir2.1 potassium channels in retinal pigment epithelial cells: Contribution to vascular endothelial growth factor expression. <i>Experimental Eye Research</i> , 2021, 211, 108741.	1.2	2
160	Morphology of foveal hypoplasia: Hyporeflexive zones in the Henle fiber layer of eyes with high-grade foveal hypoplasia. <i>PLoS ONE</i> , 2022, 17, e0266968.	1.1	2
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