Andreas Reichenbach

List of Publications by Year
in descending order

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189 papers	14,281 citations	31976 53 h-index	24982 109 g-index
189 all docs	189 docs citations	189 times ranked	9692 citing authors

#	Article	IF	Citations
1	Glia of the human retina. Glia, 2020, 68, 768-796.	4.9	173
2	Amphibious vision â€“ Optical design model of the hooded merganser eye. Vision Research, 2020, 175, 75-84.	1.4	0
3	Cone-to-MÃ¼ller cell ratio in the mammalian retina: A survey of seven mammals with different lifestyle. Experimental Eye Research, 2019, 181, 38-48.	2.6	17
4	Comprehensive optical design model of the goldfish eye and quantitative simulation of the consequences on the accommodation mechanism. Vision Research, 2019, 154, 115-121.	1.4	1
5	MÃ¼ller glial cells of the primate foveola: An electron microscopical study. Experimental Eye Research, 2018, 167, 110-117.	2.6	63
6	The primate fovea: Structure, function and development. Progress in Retinal and Eye Research, 2018, 66, 49-84.	15.5	221
7	Retinal adaptation to dim light vision in spectacled caimans (Caiman crocodilus fuscus): Analysis of retinal ultrastructure. Experimental Eye Research, 2018, 173, 160-178.	2.6	15
8	Electrophysiological characterization of MÃ¼ller cells from the ischemic retina of mice deficient in the leukemia inhibitory factor. Neuroscience Letters, 2018, 670, 69-74.	2.1	5
9	The Retina of Asian and African Elephants: Comparison of Newborn and Adult. Brain, Behavior and Evolution, 2017, 89, 84-103.	1.7	7
10	Early evolution of radial glial cells in Bilateria. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170743.	2.6	32
11	Comparative electrophysiology of retinal MÃ¼ller glial cellsâ€”A survey on vertebrate species. Glia, 2017, 65, 533-568.	4.9	17
12	<scp>T</scp>wo different mechanosensitive calcium responses in MÃ¼ller glial cells of the guinea pig retina: <scp>D</scp>ifferential dependence on purinergic receptor signaling. Glia, 2017, 65, 62-74.	4.9	19
13	Impaired Purinergic Regulation of the Glial (MÃ¼ller) Cell Volume in the Retina of Transgenic Rats Expressing Defective Polycystin-2. Neurochemical Research, 2016, 41, 1784-1796.	3.3	10
14	Characteristics of MÃ¼ller glial cells in MNU-induced retinal degeneration. Visual Neuroscience, 2016, 33, E013.	1.0	5
15	Role of Purines in MÃ¼ller Glia. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 518-533.	1.4	21
16	The ultrastructure of rabbit sclera after scleral crosslinking with riboflavin and blue light of different intensities. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1567-1577.	1.9	14
17	Endothelins Inhibit Osmotic Swelling of Rat Retinal Glial and Bipolar Cells by Activation of Growth Factor Signaling. Neurochemical Research, 2016, 41, 2598-2606.	3.3	5
18	Purinergic signaling in retinal degeneration and regeneration. Neuropharmacology, 2016, 104, 194-211.	4.1	67

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19	Ischemic regulation of brain-derived neurotrophic factor-mediated cell volume and TrkB expression in glial (MÃ¼ller) and bipolar cells of the rat retina. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 497-503.	1.9	3
20	Sigma-1 receptor activation inhibits osmotic swelling of rat retinal glial (MÃ¼ller) cells by transactivation of glutamatergic and purinergic receptors. Neuroscience Letters, 2016, 610, 13-18.	2.1	15
21	Nonvesicular Release of ATP from Rat Retinal Glial (MÃ¼ller) Cells is Differentially Mediated in Response to Osmotic Stress and Glutamate. Neurochemical Research, 2015, 40, 651-660.	3.3	30
22	Retinal Glia. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2015, 2, 1-644.	0.5	5
23	Retinal functional alterations in mice lacking intermediate filament proteins glial fibrillary acidic protein and vimentin. FASEB Journal, 2015, 29, 4815-4828.	0.5	26
24	Kein Irrtum der Natur: Wie Licht durch die umgekehrte Retina von Wirbeltieren gelangt. E-Neuroforum, 2014, 20, 296-304.	0.1	0
25	Unidirectional Photoreceptor-to-MÃ¼ller Glia Coupling and Unique K+ Channel Expression in Caiman Retina. PLoS ONE, 2014, 9, e97155.	2.5	21
26	Purinergic neuron-glia interactions in sensory systems. Pflugers Archiv European Journal of Physiology, 2014, 466, 1859-1872.	2.8	38
27	Grouped retinae and tapetal cups in some Teleostian fish: Occurrence, structure, and function. Progress in Retinal and Eye Research, 2014, 38, 43-69.	15.5	31
28	Nerve growth factor inhibits osmotic swelling of rat retinal glial (MÃ¼ller) and bipolar cells by inducing glial cytokine release. Journal of Neurochemistry, 2014, 131, 303-313.	3.9	31
29	New functions of MÃ¼ller cells. Glia, 2013, 61, 651-678.	4.9	564
30	Optical properties of retinal tissue and the potential of adaptive optics to visualize retinal ganglion cells in vivo. Cell and Tissue Research, 2013, 353, 269-278.	2.9	17
31	Cell Biology of the MÃ¼ller Cell. , 2013, , 415-432.		0
32	Biomechanical properties of retinal glial cells: Comparative and developmental data. Experimental Eye Research, 2013, 113, 60-65.	2.6	21
33	Hypoosmotic and glutamateâ€induced swelling of bipolar cells in the rat retina: comparison with swelling of <scp>M</scp>Ã¼ller glial cells. Journal of Neurochemistry, 2013, 126, 372-381.	3.9	22
34	GABA and Glutamate Uptake and Metabolism in Retinal Glial (MÃ¼ller) Cells. Frontiers in Endocrinology, 2013, 4, 48.	3.5	130
35	MÃ¼ller Cell Reactivity in Response to Photoreceptor Degeneration in Rats with Defective Polycystin-2. PLoS ONE, 2013, 8, e61631.	2.5	22
36	Relevance of Exocytotic Glutamate Release from Retinal Glia. Neuron, 2012, 74, 504-516.	8.1	69

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37	Photonic Crystal Light Collectors in Fish Retina Improve Vision in Turbid Water. Science, 2012, 336, 1700-1703.	12.6	71
38	Postnatal mammalian retinal development: Quantitative data and general rules. Progress in Retinal and Eye Research, 2012, 31, 605-621.	15.5	32
39	Beyond Polarity: Functional Membrane Domains in Astrocytes and MÃ¼ller Cells. Neurochemical Research, 2012, 37, 2513-2523.	3.3	32
40	Physiologic Properties of MÃ¼ller Cells from Human Eyes Affected with Uveal Melanoma. , 2012, 53, 4170.		12
41	Mechanisms of VEGF- and Glutamate-Induced Inhibition of Osmotic Swelling of Murine Retinal Glial (MÃ¼ller) Cells: Indications for the Involvement of Vesicular Glutamate Release and Connexin-Mediated ATP Release. Neurochemical Research, 2012, 37, 268-278.	3.3	29
42	Spatial mapping of the mechanical properties of the living retina using scanning force microscopy. Soft Matter, 2011, 7, 3147.	2.7	90
43	MÃ¼ller Glial Cell-Provided Cellular Light Guidance through the Vital Guinea-Pig Retina. Biophysical Journal, 2011, 101, 2611-2619.	0.5	87
44	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.	2.6	36
45	Immunolocalization of aquaporin-6 in the rat retina. Neuroscience Letters, 2011, 490, 130-134.	2.1	23
46	Effects of Ischemiaâ€“Reperfusion on Physiological Properties of MÃ¼ller Glial Cells in the Porcine Retina. , 2011, 52, 3360.		45
47	Genetic Deletion of Laminin Isoforms Î²2 and Î³3 Induces a Reduction in Kir4.1 and Aquaporin-4 Expression and Function in the Retina. PLoS ONE, 2011, 6, e16106.	2.5	28
48	Purinergic signaling involved in MÃ¼ller cell function in the mammalian retina. Progress in Retinal and Eye Research, 2011, 30, 324-342.	15.5	71
49	Reactive glial cells: increased stiffness correlates with increased intermediate filament expression. FASEB Journal, 2011, 25, 624-631.	0.5	148
50	The human MÃ¼ller cell line MIO-M1 expresses opsins. Molecular Vision, 2011, 17, 2738-50.	1.1	38
51	Sex Steroids Inhibit Osmotic Swelling of Retinal Glial Cells. Neurochemical Research, 2010, 35, 522-530.	3.3	27
52	Morphology and dynamics of perisynaptic glia. Brain Research Reviews, 2010, 63, 11-25.	9.0	213
53	Deletion of aquaporinâ€4 renders retinal glial cells more susceptible to osmotic stress. Journal of Neuroscience Research, 2010, 88, 2877-2888.	2.9	59
54	Endogenous purinergic signaling is required for osmotic volume regulation of retinal glial cells. Journal of Neurochemistry, 2010, 112, 1261-1272.	3.9	49

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55	Retinal Glial (MÃ¼ller) Cells: Sensing and Responding to Tissue Stretch. , 2010, 51, 1683.		138
56	Alterations in protein expression and membrane properties during MÃ¼ller cell gliosis in a murine model of transient retinal ischemia. Neuroscience Letters, 2010, 472, 73-78.	2.1	40
57	MÃ¼ller Cells in the Healthy and Diseased Retina. , 2010, , .		64
58	Retinal Gene Expression and MuÌˆller Cell Responses after Branch Retinal Vein Occlusion in the Rat. , 2009, 50, 2359.		90
59	Cellular signaling and factors involved in MÃ¼ller cell gliosis: Neuroprotective and detrimental effects. Progress in Retinal and Eye Research, 2009, 28, 423-451.	15.5	607
60	Expression and function of P2Y receptors on MÃ¼ller cells of the postnatal rat retina. Glia, 2009, 57, 1680-1690.	4.9	40
61	Light stimulation evokes two different calcium responses in MÃ¼ller glial cells of the guinea pig retina. European Journal of Neuroscience, 2009, 29, 1165-1176.	2.6	34
62	Purinergic signaling in special senses. Trends in Neurosciences, 2009, 32, 128-141.	8.6	174
63	Role of retinal glial cells in neurotransmitter uptake and metabolism. Neurochemistry International, 2009, 54, 143-160.	3.8	226
64	Calcium responses mediated by type 2 IP3-receptors are required for osmotic volume regulation of retinal glial cells in mice. Neuroscience Letters, 2009, 457, 85-88.	2.1	17
65	Neurite Branch Retraction Is Caused by a Threshold-Dependent Mechanical Impact. Biophysical Journal, 2009, 97, 1883-1890.	0.5	154
66	Functional Implication of Dp71 in Osmoregulation and Vascular Permeability of the Retina. PLoS ONE, 2009, 4, e7329.	2.5	36
67	Involvement of A(1) adenosine receptors in osmotic volume regulation of retinal glial cells in mice. Molecular Vision, 2009, 15, 1858-67.	1.1	21
68	Glial cellâ€derived glutamate mediates autocrine cell volume regulation in the retina: activation by VEGF. Journal of Neurochemistry, 2008, 104, 386-399.	3.9	49
69	K+ currents fail to change in reactive retinal glial cells in a mouse model of glaucoma. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 1249-1254.	1.9	29
70	Complex rectification of MÃ¼ller cell Kir currents. Glia, 2008, 56, 775-790.	4.9	27
71	Osmotic swelling characteristics of glial cells in the murine hippocampus, cerebellum, and retina in situ. Journal of Neurochemistry, 2008, 105, 1405-1417.	3.9	48
72	Dim light vision â€“ Morphological and functional adaptations of the eye of the mormyrid fish, Gnathonemus petersii. Journal of Physiology (Paris), 2008, 102, 291-303.	2.1	31

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73	MÃ¼ller cell gliosis in retinal organ culture mimics gliotic alterations after ischemia in vivo. International Journal of Developmental Neuroscience, 2008, 26, 745-751.	1.6	21
74	Localization of glial aquaporin-4 and Kir4.1 in the light-injured murine retina. Neuroscience Letters, 2008, 434, 317-321.	2.1	32
75	Proliferative gliosis causes mislocation and inactivation of inwardly rectifying K+ (Kir) channels in rabbit retinal glial cells. Experimental Eye Research, 2008, 86, 305-313.	2.6	25
76	Purinergic receptor activation inhibits osmotic glial cell swelling in the diabetic rat retina. Experimental Eye Research, 2008, 87, 385-393.	2.6	43
77	A New Glance at Glia. Science, 2008, 322, 693-694.	12.6	27
78	MuÌˆller Cell Response to Blue Light Injury of the Rat Retina. , 2008, 49, 3559.		72
79	Early Activation of Inflammation- and Immune Response-Related Genes after Experimental Detachment of the Porcine Retina. , 2008, 49, 1262.		56
80	Expression of CXCL8, CXCR1, and CXCR2 in Neurons and Glial Cells of the Human and Rabbit Retina. , 2008, 49, 4578.		53
81	Porcine MÃ¼ller Glial Cells Increase Expression of BKCaChannels in Retinal Detachment. Current Eye Research, 2007, 32, 143-151.	1.5	9
82	MÃ¼ller cells are living optical fibers in the vertebrate retina. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8287-8292.	7.1	356
83	Pigment epitheliumâ€derived factor acts as an opponent of growthâ€stimulatory factors in retinal glialâ€“endothelial cell interactions. Glia, 2007, 55, 642-651.	4.9	40
84	Ectonucleotidases in MÃ¼ller glial cells of the rodent retina: Involvement in inhibition of osmotic cell swelling. Purinergic Signalling, 2007, 3, 423-433.	2.2	43
85	MÃ¼ller cells as players in retinal degeneration and edema. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 627-636.	1.9	232
86	Viscoelastic properties of individual glial cells and neurons in the CNS. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17759-17764.	7.1	473
87	Changes in Membrane Conductance Play a Pathogenic Role in Osmotic Glial Cell Swelling in Detached Retinas. American Journal of Pathology, 2006, 169, 1990-1998.	3.8	40
88	Atypical gliosis in MÃ¼ller cells of the slowly degenerating rds mutant mouse retina. Experimental Eye Research, 2006, 82, 449-457.	2.6	50
89	Atrial natriuretic peptide inhibits osmotical glial cell swelling in the ischemic rat retina: Dependence on glutamatergic-purinergic signaling. Experimental Eye Research, 2006, 83, 962-971.	2.6	20
90	HB-EGF: Increase in the ischemic rat retina and inhibition of osmotic glial cell swelling. Biochemical and Biophysical Research Communications, 2006, 347, 310-318.	2.1	25

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91	Differential regulation of Kir4.1 and Kir2.1 expression in the ischemic rat retina. Neuroscience Letters, 2006, 396, 97-101.	2.1	48
92	MÃ¼ller cells in the healthy and diseased retina. Progress in Retinal and Eye Research, 2006, 25, 397-424.	15.5	1,500
93	The developmental expression of K+ channels in retinal glial cells is associated with a decrease of osmotic cell swelling. Glia, 2006, 54, 411-423.	4.9	49
94	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.	2.9	93
95	Diabetes Alters Osmotic Swelling Characteristics and Membrane Conductance of Glial Cells in Rat Retina. Diabetes, 2006, 55, 633-639.	0.6	184
96	Glial Cell Reactivity in a Porcine Model of Retinal Detachment. , 2006, 47, 2161.		124
97	Neuronal versus glial cell swelling in the ischaemic retina. Acta Ophthalmologica, 2005, 83, 528-538.	0.3	105
98	Ocular inflammation alters swelling and membrane characteristics of rat MÃ¼ller glial cells. Journal of Neuroimmunology, 2005, 161, 145-154.	2.3	74
99	Glutamate transport by retinal MÃ¼ller cells in glutamate/aspartate transporterâ€knockout mice. Glia, 2005, 49, 184-196.	4.9	69
100	Altered membrane physiology in MÃ¼ller glial cells after transient ischemia of the rat retina. Glia, 2005, 50, 1-11.	4.9	54
101	Membrane-associated guanylate kinase proteins MPP4 and MPP5 associate with Veli3 at distinct intercellular junctions of the neurosensory retina. Journal of Comparative Neurology, 2005, 481, 31-41.	1.6	38
102	ADPÎ²S evokes microglia activation in the rabbit retina in vivo. Purinergic Signalling, 2005, 1, 383-387.	2.2	13
103	InterdisziplinÃre AnsÃtze in den zellulÃren Neurowissenschaften. E-Neuroforum, 2005, 11, 36-37.	0.1	0
104	Identification of P2Y Receptor Subtypes in Human MuÌˆller Glial Cells by Physiology, Single Cell RT-PCR, and Immunohistochemistry. , 2005, 46, 3000.		46
105	Ischemia-Reperfusion Causes Exudative Detachment of the Rabbit Retina. , 2005, 46, 2592.		29
106	Resensitization of P2Y Receptors by Growth Factorâ€“Mediated Activation of the Phosphatidylinositol-3 Kinase in Retinal Glial Cells. , 2005, 46, 1525.		32
107	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.	2.5	78
108	P2X7 receptor-mRNA and -protein in the mouse retina; changes during retinal degeneration in BALBCrds mice. Neurochemistry International, 2005, 47, 235-242.	3.8	57

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109	Glial cell-mediated spread of retinal degeneration during detachment: A hypothesis based upon studies in rabbits. Vision Research, 2005, 45, 2256-2267.	1.4	48
110	Physiological properties of retinal MÃ¼ller glial cells from the cynomolgus monkey, Macaca fascicularisâ€”a comparison to human MÃ¼ller cells. Vision Research, 2005, 45, 1781-1791.	1.4	14
111	Under stress, the absence of intermediate filaments from Mulˆller cells in the retina has structural and functional consequences. Journal of Cell Science, 2004, 117, 3481-3488.	2.0	131
112	Pathomechanisms of Cystoid Macular Edema. Ophthalmic Research, 2004, 36, 241-249.	1.9	250
113	Glutamate-Evoked Alterations of Glial and Neuronal Cell Morphology in the Guinea Pig Retina. Journal of Neuroscience, 2004, 24, 10149-10158.	3.6	72
114	Retinal Endothelial Angiogenic Activity: Effects of Hypoxia and Glial (MÃ¼ller) Cells. Microcirculation, 2004, 11, 577-586.	1.8	39
115	Rabbit retinal organ culture as an in-vitro model of hepatic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 512-522.	1.9	10
116	Selective staining by vital dyes of MÃ¼ller glial cells in retinal wholemounts. Glia, 2004, 45, 59-66.	4.9	75
117	Electrophysiological properties of retinal MÃ¼ller glial cells from myelin mutant rat. Glia, 2004, 45, 338-345.	4.9	2
118	GABA_A receptors in MÃ¼ller glial cells of the human retina. Glia, 2004, 46, 302-310.	4.9	28
119	PEDF derived from glial MÃ¼ller cells: a possible regulator of retinal angiogenesis. Experimental Cell Research, 2004, 299, 68-78.	2.6	86
120	Switch of K+ buffering conditions in rabbit retinal MÃ¼ller glial cells during postnatal development. Neuroscience Letters, 2004, 365, 167-170.	2.1	7
121	A potassium channel-linked mechanism of glial cell swelling in the postischemic retina. Molecular and Cellular Neurosciences, 2004, 26, 493-502.	2.2	200
122	Angiogenesis-related factors derived from retinal glial (MÃ¼ller) cells in hypoxia. NeuroReport, 2004, 15, 1633-1637.	1.2	94
123	Tandem-pore K+channels display an uneven distribution in amphibian retina. NeuroReport, 2004, 15, 321-324.	1.2	13
124	Structural association of glia with the various compartments of neurons. , 2004, , 53-97.		6
125	Recovery from hepatic retinopathy after liver transplantation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2003, 241, 451-457.	1.9	10
126	The retinal anatomy and function of the myelin mutant taiep rat. Brain Research, 2003, 964, 144-152.	2.2	7

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127	Age-related decrease of potassium currents in glial (MÃ¼ller) cells of the human retina. Canadian Journal of Ophthalmology, 2003, 38, 464-468.	0.7	27
128	Differentiation of cones in cultured rabbit retina: effects of retinal pigment epithelial cell-conditioned medium. Neuroscience Letters, 2003, 341, 53-56.	2.1	6
129	Targeted inactivation of dystrophin gene product Dp71: phenotypic impact in mouse retina. Human Molecular Genetics, 2003, 12, 1543-1554.	2.9	121
130	P2Y Receptor-Mediated Stimulation of Mul̀ller Glial Cell DNA Synthesis: Dependence on EGF and PDGF Receptor Transactivation. , 2003, 44, 1211.		101
131	Experimental Dispase-Induced Retinopathy Causes Up-Regulation of P2Y Receptor-Mediated Calcium Responses in MÃ¼ller Glial Cells. Ophthalmic Research, 2003, 35, 30-41.	1.9	24
132	Early Glial Cell Reactivity in Experimental Retinal Detachment: Effect of Suramin. , 2003, 44, 4114.		43
133	SUR1 and Kir6.1 subunits of KATP-channels are co-localized in retinal glial (MÃ¼ller) cells. NeuroReport, 2002, 13, 57-60.	1.2	24
134	Membrane conductance of MÃ¼ller glial cells in proliferative diabetic retinopathy. Canadian Journal of Ophthalmology, 2002, 37, 221-227.	0.7	42
135	ATP-evoked calcium responses of radial glial (MÃ¼ller) cells in the postnatal rabbit retina. Journal of Neuroscience Research, 2002, 70, 209-218.	2.9	36
136	Activation of P2Y receptors stimulates potassium and cation currents in acutely isolated human MÃ¼ller (glial) cells. Glia, 2002, 37, 139-152.	4.9	59
137	Electrophysiological characterization of retinal MÃ¼ller glial cells from mouse during postnatal development: Comparison with rabbit cells. Glia, 2002, 38, 268-272.	4.9	24
138	Functional expression of Kir 6.1/SUR1-KATPchannels in frog retinal MÃ¼ller glial cells. Glia, 2002, 38, 256-267.	4.9	30
139	Highâ€affinity GABA uptake in retinal glial (MÃ¼ller) cells of the guinea pig: Electrophysiological characterization, immunohistochemical localization, and modeling of efficiency. Glia, 2002, 39, 217-228.	4.9	54
140	Kir potassium channel subunit expression in retinal glial cells: Implications for spatial potassium bufferingâ€. Glia, 2002, 39, 292-303.	4.9	189
141	Experimental retinal detachment causes widespread and multilayered degeneration in rabbit retina. Journal of Neurocytology, 2002, 30, 379-390.	1.5	58
142	P2Y receptor-mediated stimulation of MÃ¼ller glial DNA synthesis. Investigative Ophthalmology and Visual Science, 2002, 43, 766-73.	3.3	46
143	Upregulation of extracellular ATP-induced MÃ¼ller cell responses in a dispase model of proliferative vitreoretinopathy. Investigative Ophthalmology and Visual Science, 2002, 43, 870-81.	3.3	38
144	Kir subfamily in frog retina: specific spatial distribution of Kir 6.1 in glial (M??ller) cells. NeuroReport, 2001, 12, 1437-1441.	1.2	24

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145	Electrophysiological properties of rat retinal MÃ¼ller (glial) cells in postnatally developing and in pathologically altered retinae. Glia, 2001, 34, 190-199.	4.9	39
146	Electrophysiological alterations and upregulation of ATP receptors in retinal glial MÃ¼ller cells from rats infected with the Borna disease virus. Glia, 2001, 35, 213-223.	4.9	29
147	Changes of the organotypic retinal organization in Borna virus-infected Lewis rats. Journal of Neurocytology, 2001, 30, 801-820.	1.5	8
148	Arachidonic acid-induced inhibition of Ca2+ channel currents in retinal glial (MÃ¼ller) cells. , 2001, 239, 859-864.		9
149	P2 receptor-types involved in astrogliosis in vivo. British Journal of Pharmacology, 2001, 134, 1180-1189.	5.4	93
150	Mitochondria of Retinal MÃ¼ller (Glial) Cells: The Effects of Aging and of Application of Free Radical Scavengers. Ophthalmic Research, 2000, 32, 229-236.	1.9	31
151	Role of glial K+ channels in ontogeny and gliosis: A hypothesis based upon studies on Mï¿½ller cells. Glia, 2000, 29, 35-44.	4.9	121
152	Spatial distribution of spermine/spermidine content and K+-current rectification in frog retinal glial (Mï¿½ller) cells. Glia, 2000, 31, 84-90.	4.9	38
153	Mï¿½ller glial cells in anuran retina. Microscopy Research and Technique, 2000, 50, 384-393.	2.2	22
154	Farnesol modulates membrane currents in human retinal glial cells. Journal of Neuroscience Research, 2000, 62, 396-402.	2.9	16
155	A function of delayed rectifier potassium channels in glial cells: maintenance of an auxiliary membrane potential under pathological conditions. Brain Research, 2000, 862, 187-193.	2.2	21
156	Alterations of sensory retinal explants exposed to choroidal melanoma cells ex vivo. Graefe's Archive for Clinical and Experimental Ophthalmology, 2000, 238, 985-992.	1.9	3
157	P2X₇ Receptors in MÃ¼ller Glial Cells from the Human Retina. Journal of Neuroscience, 2000, 20, 5965-5972.	3.6	173
158	Na+ currents through Ca2+ channels in human retinal glial (MÃ¼ller) cells. Current Eye Research, 2000, 20, 420-429.	1.5	6
159	Ca2+ channel-mediated currents in retinal glial (MÃ¼ller) cells of the toad (Bufo marinus). Neuroscience Letters, 2000, 281, 155-158.	2.1	7
160	Farnesol modulates membrane currents in human retinal glial cells. , 2000, 62, 396.		1
161	Microdomains for neuronâ€“glia interaction: parallel fiber signaling to Bergmann glial cells. Nature Neuroscience, 1999, 2, 139-143.	14.8	612
162	Outwardly rectifying K+ channels display clustering in guinea pig retinal MÃ¼ller cells. Neuroscience Letters, 1999, 276, 13-16.	2.1	2

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163	Spermine/spermidine is expressed by retinal glial (mï¿½ller) cells and controls distinct K+ channels of their membrane. , 1998, 23, 209-220.		65
164	Modification of glutamine synthetase expression by mammalian MÃ¼ller (glial) cells in retinal organ cultures. NeuroReport, 1997, 8, 3067-3072.	1.2	42
165	Heterogeneous expression of Ca2+â^' dependent K+ currents by MÃ¼ller glial cells. NeuroReport, 1997, 8, 3841-3845.	1.2	14
166	Mammalian retinal glial (Mï¿½ller) cells express large-conductance Ca2+-activated K+ channels that are modulated by Mg2+ and pH and activated by protein kinase A. , 1997, 19, 311-323.		63
167	Loss of inwardly rectifying potassium currents by human retinal glial cells in diseases of the eye. , 1997, 20, 210-218.		84
168	The MÃ¼ller cell: a functional element of the retina. Trends in Neurosciences, 1996, 19, 307-312.	8.6	713
169	Mammalian MÃ¼ller (glial) cells express functional D2 dopamine receptors. NeuroReport, 1995, 6, 609-612.	1.2	34
170	Development of A-type (axonless) horizontal cells in the rabbit retina. Journal of Comparative Neurology, 1995, 354, 438-458.	1.6	29
171	Expression of glial fibrillary acidic protein (GFAP), glutamine synthetase (GS), and Bcl-2 protooncogene protein by MÃ¼ller (glial) cells in retinal light damage of rats. Neuroscience Letters, 1995, 185, 119-122.	2.1	107
172	Three distinct types of voltage-dependent K+ channels are expressed by Mï¿½ller (glial) cells of the rabbit retina. Pflugers Archiv European Journal of Physiology, 1994, 426, 51-60.	2.8	52
173	Na+channels of MÃ¼ller (glial) cells isolated from retinae of various mammalian species including man. Glia, 1994, 10, 173-185.	4.9	51
174	Development of the rabbit retina. V. The question of â€˜columnar unitsâ€™. Developmental Brain Research, 1994, 79, 72-84.	1.7	54
175	Morphology of horseradish peroxidase (HRP)-injected glial cells in the myenteric plexus of the guinea-pig. Cell and Tissue Research, 1994, 278, 153-160.	2.9	11
176	Perineuronal nets provide a polyanionic, glia-associated form of microenvironment around certain neurons in many parts of the rat brain. Glia, 1993, 8, 183-200.	4.9	324
177	Quantitative phylogenetic constancy of cerebellar purkinje cell morphological complexity. Journal of Comparative Neurology, 1993, 331, 402-406.	1.6	32
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