

Harald Sontheimer

List of Publications by Year in descending order

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205
papers

20,388
citations

6233

80
h-index

11581

135
g-index

215
all docs

215
docs citations

215
times ranked

15858
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfasalazine decreases astrogliosisâ€mediated seizure burden. <i>Epilepsia</i> , 2022, 63, 844-854.	2.6	5
2	Astrocyte plasticity in mice ensures continued endfoot coverage of cerebral blood vessels following injury and declines with age. <i>Nature Communications</i> , 2022, 13, 1794.	5.8	29
3	Shared Mechanisms of Disease. , 2021, , 385-414.		0
4	Thermally Drawn Stretchable Electrical and Optical Fiber Sensors for Multimodal Extreme Deformation Sensing. <i>Advanced Optical Materials</i> , 2021, 9, 2001815.	3.6	31
5	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	7.1	1,098
6	Nano-optoelectrodes Integrated with Flexible Multifunctional Fiber Probes by High-Throughput Scalable Fabrication. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9156-9165.	4.0	13
7	Dysregulation of Ambient Glutamate and Glutamate Receptors in Epilepsy: An Astrocytic Perspective. <i>Frontiers in Neurology</i> , 2021, 12, 652159.	1.1	19
8	Neuroscience: The New English Major?. <i>Neuroscientist</i> , 2021, , 107385842110039.	2.6	0
9	Antiepileptogenesis and disease modification: Progress, challenges, and the path forwardâ€Report of the Preclinical Working Group of the 2018 NINDSâ€sponsored antiepileptogenesis and disease modification workshop. <i>Epilepsia Open</i> , 2021, 6, 276-296.	1.3	24
10	Perineuronal Net Dynamics in the Pathophysiology of Epilepsy. <i>Epilepsy Currents</i> , 2021, 21, 273-281.	0.4	25
11	Using Zebrafish to Elucidate Glial-Vascular Interactions During CNS Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 654338.	1.8	5
12	Development and implementation of a scalable and versatile test for COVID-19 diagnostics in rural communities. <i>Nature Communications</i> , 2021, 12, 4400.	5.8	9
13	Seizure Disorders and Epilepsy. , 2021, , 51-77.		0
14	Fishing for Contact: Modeling Perivascular Glioma Invasion in the Zebrafish Brain. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1295-1305.	2.5	11
15	Transcriptional Regulation of Amino Acid Transport in Glioblastoma Multiforme. <i>Cancers</i> , 2021, 13, 6169.	1.7	4
16	3D Printed Multiplexed Competitive Migration Assays with Spatially Programmable Release Sources. <i>Advanced Biology</i> , 2020, 4, 1900225.	3.0	4
17	Potassium and glutamate transport is impaired in scar-forming tumor-associated astrocytes. <i>Neurochemistry International</i> , 2020, 133, 104628.	1.9	24
18	Spatially expandable fiber-based probes as a multifunctional deep brain interface. <i>Nature Communications</i> , 2020, 11, 6115.	5.8	44

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19	Acetylcholine Receptor Activation as a Modulator of Glioblastoma Invasion. <i>Cells</i> , 2019, 8, 1203.	1.8	32
20	Process- and bio-inspired hydrogels for 3D bioprinting of soft free-standing neural and glial tissues. <i>Biofabrication</i> , 2019, 11, 025009.	3.7	70
21	Sulfasalazine decreases mouse cortical hyperexcitability. <i>Epilepsia</i> , 2019, 60, 1365-1377.	2.6	14
22	Neuron-glia interactions in the pathophysiology of epilepsy. <i>Nature Reviews Neuroscience</i> , 2019, 20, 282-297.	4.9	262
23	Protocol to Quantitatively Assess the Structural Integrity of Perineuronal Nets ex vivo. <i>Bio-protocol</i> , 2019, 9, e3234.	0.2	7
24	Combating malignant astrocytes: Strategies mitigating tumor invasion. <i>Neuroscience Research</i> , 2018, 126, 22-30.	1.0	11
25	Perineuronal nets decrease membrane capacitance of peritumoral fast spiking interneurons in a model of epilepsy. <i>Nature Communications</i> , 2018, 9, 4724.	5.8	129
26	Microphysiological Human Brain and Neural Systems-on-a-Chip: Potential Alternatives to Small Animal Models and Emerging Platforms for Drug Discovery and Personalized Medicine. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 381-406.	5.6	96
27	Polymer Composite with Carbon Nanofibers Aligned during Thermal Drawing as a Microelectrode for Chronic Neural Interfaces. <i>ACS Nano</i> , 2017, 11, 6574-6585.	7.3	73
28	Peritumoral Epilepsy, 2017, , .		1
29	A role for ion channels in perivascular glioma invasion. <i>European Biophysics Journal</i> , 2016, 45, 635-648.	1.2	41
30	Glia as drivers of abnormal neuronal activity. <i>Nature Neuroscience</i> , 2016, 19, 28-33.	7.1	152
31	GABAergic disinhibition and impaired KCC2 cotransporter activity underlie tumor-associated epilepsy. <i>Glia</i> , 2015, 63, 23-36.	2.5	117
32	Glioma, 2015, , .		1
33	Shared Mechanisms of Disease. , 2015, , 407-443.		0
34	SLC7A11 expression is associated with seizures and predicts poor survival in patients with malignant glioma. <i>Science Translational Medicine</i> , 2015, 7, 289ra86.	5.8	207
35	Reactive Astrogliosis Causes the Development of Spontaneous Seizures. <i>Journal of Neuroscience</i> , 2015, 35, 3330-3345.	1.7	224
36	Tumour cells on neighbourhood watch. <i>Nature</i> , 2015, 528, 49-50.	13.7	21

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37	A frightening thought: Neuronal activity enhances tumor growth. <i>Cell Research</i> , 2015, 25, 891-892.	5.7	6
38	Vascular amyloidosis impairs the gliovascular unit in a mouse model of Alzheimer's disease. <i>Brain</i> , 2015, 138, 3716-3733.	3.7	116
39	Ionic Channels in Glia†, , 2015, , .		0
40	A proinvasive role for the Ca ²⁺ -activated K ⁺ channel KCa3.1 in malignant glioma. <i>Glia</i> , 2014, 62, 971-981.	2.5	84
41	Autocrine regulation of glioma cell proliferation via pH _e -sensitive K ⁺ channels. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C493-C505.	2.1	10
42	KCa3.1 Modulates Neuroblast Migration Along the Rostral Migratory Stream (RMS) In Vivo. <i>Cerebral Cortex</i> , 2014, 24, 2388-2400.	1.6	29
43	Glutamate transporters in the biology of malignant gliomas. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1839-1854.	2.4	93
44	Bradykinin enhances invasion of malignant glioma into the brain parenchyma by inducing cells to undergo amoeboid migration. <i>Journal of Physiology</i> , 2014, 592, 5109-5127.	1.3	54
45	A neurocentric perspective on glioma invasion. <i>Nature Reviews Neuroscience</i> , 2014, 15, 455-465.	4.9	619
46	Cl ⁻ and K ⁺ channels and their role in primary brain tumour biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130095.	1.8	87
47	Role of glutamate transporters in redox homeostasis of the brain. <i>Neurochemistry International</i> , 2014, 73, 181-191.	1.9	43
48	Disruption of astrocyte-vascular coupling and the blood-brain barrier by invading glioma cells. <i>Nature Communications</i> , 2014, 5, 4196.	5.8	427
49	Novel Therapeutic Approaches to Malignant Gliomas. , 2014, , 315-350.		0
50	Calcium entry via TRPC1 channels activates chloride currents in human glioma cells. <i>Cell Calcium</i> , 2013, 53, 187-194.	1.1	42
51	Involvement of tumor acidification in brain cancer pathophysiology. <i>Frontiers in Physiology</i> , 2013, 4, 316.	1.3	38
52	Bradykinin-Induced Chemotaxis of Human Gliomas Requires the Activation of K _{Ca} 3.1 and ClC-3. <i>Journal of Neuroscience</i> , 2013, 33, 1427-1440.	1.7	74
53	Kinase activation of ClC-3 accelerates cytoplasmic condensation during mitotic cell rounding. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C527-C538.	2.1	27
54	Differential role of IK and BK potassium channels as mediators of intrinsic and extrinsic apoptotic cell death. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C1070-C1078.	2.1	56

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55	Sulfasalazine for brain cancer fits. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 575-578.	1.9	35
56	Human glioma cells induce hyperexcitability in cortical networks. <i>Epilepsia</i> , 2012, 53, 1360-1370.	2.6	95
57	Unique biology of gliomas: challenges and opportunities. <i>Trends in Neurosciences</i> , 2012, 35, 546-556.	4.2	67
58	Hypoxic preconditioning involves system Xcâ ⁺ regulation in mouse neural stem cells. <i>Stem Cell Research</i> , 2012, 8, 285-291.	0.3	29
59	Inhibition of nuclear factor kappa-B signaling reduces growth in medulloblastoma in vivo. <i>BMC Cancer</i> , 2011, 11, 136.	1.1	25
60	Chemotaxis of MDCK-F cells toward fibroblast growth factor-2 depends on transient receptor potential canonical channel 1. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 295-306.	1.3	26
61	Transient receptor potential canonical channels are essential for chemotactic migration of human malignant gliomas. <i>Journal of Cellular Physiology</i> , 2011, 226, 1879-1888.	2.0	109
62	Glutamate and the biology of gliomas. <i>Glia</i> , 2011, 59, 1181-1189.	2.5	246
63	Hydrodynamic Cellular Volume Changes Enable Glioma Cell Invasion. <i>Journal of Neuroscience</i> , 2011, 31, 17250-17259.	1.7	121
64	Bradykinin Promotes the Chemotactic Invasion of Primary Brain Tumors. <i>Journal of Neuroscience</i> , 2011, 31, 4858-4867.	1.7	167
65	Glutamate release by primary brain tumors induces epileptic activity. <i>Nature Medicine</i> , 2011, 17, 1269-1274.	15.2	405
66	With-No-Lysine Kinase 3 (WNK3) stimulates glioma invasion by regulating cell volume. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1150-C1160.	2.1	59
67	Ion channels and transporters in cancer. 2. Ion channels and the control of cancer cell migration. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C541-C549.	2.1	146
68	Glutamate and tumor-associated epilepsy. <i>Oncotarget</i> , 2011, 2, 823-824.	0.8	10
69	Biophysical Properties of Human Medulloblastoma Cells. <i>Journal of Membrane Biology</i> , 2010, 237, 59-69.	1.0	14
70	Erythropoietin-induced neuroprotection requires cystine glutamate exchanger activity. <i>Brain Research</i> , 2010, 1321, 88-95.	1.1	24
71	MAPK induces AQP1 expression in astrocytes following injury. <i>Glia</i> , 2010, 58, 209-217.	2.5	37
72	Disruption of transient receptor potential canonical channel 1 causes incomplete cytokinesis and slows the growth of human malignant gliomas. <i>Glia</i> , 2010, 58, 1145-1156.	2.5	73

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73	Inhibition of the Sodium-Potassium-Chloride Cotransporter Isoform-1 Reduces Glioma Invasion. <i>Cancer Research</i> , 2010, 70, 5597-5606.	0.4	115
74	Molecular Interaction and Functional Regulation of ClC-3 by Ca ²⁺ /Calmodulin-dependent Protein Kinase II (CaMKII) in Human Malignant Glioma. <i>Journal of Biological Chemistry</i> , 2010, 285, 11188-11196.	1.6	105
75	Hypoxia Increases the Dependence of Glioma Cells on Glutathione. <i>Journal of Biological Chemistry</i> , 2010, 285, 37716-37724.	1.6	80
76	Spinal cord injury causes a wide-spread, persistent loss of Kir4.1 and glutamate transporter 1: benefit of 17 β -oestradiol treatment. <i>Brain</i> , 2010, 133, 1013-1025.	3.7	68
77	Water permeability through aquaporin-4 is regulated by protein kinase C and becomes rate-limiting for glioma invasion. <i>Neuroscience</i> , 2010, 168, 971-981.	1.1	75
78	Chloride Transport in Glioma Growth and Cell Invasion. , 2010, , 519-529.		0
79	GLIA/ASTROCYTES Peritumoral Epilepsy. , 2009, , 401-408.		0
80	Ionic Channels in Glia. , 2009, , 237-247.		0
81	Glioma. , 2009, , 877-884.		2
82	Chloride Accumulation Drives Volume Dynamics Underlying Cell Proliferation and Migration. <i>Journal of Neurophysiology</i> , 2009, 101, 750-757.	0.9	124
83	Sulfasalazine inhibits the growth of primary brain tumors independent of nuclear factor κ B. <i>Journal of Neurochemistry</i> , 2009, 110, 182-193.	2.1	73
84	Role of Ion Channels and Amino-Acid Transporters in the Biology of Astrocytic Tumors. , 2009, , 527-546.		1
85	(1R,3S)-1-Aminocyclopentane-1,3-dicarboxylic acid (RS-ACPD) reduces intracellular glutamate levels in astrocytes. <i>Journal of Neurochemistry</i> , 2008, 79, 756-766.	2.1	13
86	A role for glutamate in growth and invasion of primary brain tumors. <i>Journal of Neurochemistry</i> , 2008, 105, 287-295.	2.1	170
87	Functional implications for Kir4.1 channels in glial biology: from K ⁺ buffering to cell differentiation. <i>Journal of Neurochemistry</i> , 2008, 107, 589-601.	2.1	274
88	ClC3 Is a Critical Regulator of the Cell Cycle in Normal and Malignant Glial Cells. <i>Journal of Neuroscience</i> , 2008, 28, 9205-9217.	1.7	100
89	An Unexpected Role for Ion Channels in Brain Tumor Metastasis. <i>Experimental Biology and Medicine</i> , 2008, 233, 779-791.	1.1	204
90	Cytoplasmic condensation is both necessary and sufficient to induce apoptotic cell death. <i>Journal of Cell Science</i> , 2008, 121, 290-297.	1.2	64

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91	BK Channels Are Linked to Inositol 1,4,5-Triphosphate Receptors via Lipid Rafts. <i>Journal of Biological Chemistry</i> , 2007, 282, 31558-31568.	1.6	84
92	Cytoplasmic Volume Condensation Is an Integral Part of Mitosis. <i>Cell Cycle</i> , 2007, 6, 1613-1620.	1.3	90
93	Differential Distribution of Kir4.1 in Spinal Cord Astrocytes Suggests Regional Differences in K+ Homeostasis. <i>Journal of Neurophysiology</i> , 2007, 98, 786-793.	0.9	80
94	Expression and function of water channels (aquaporins) in migrating malignant astrocytes. <i>Glia</i> , 2007, 55, 1034-1043.	2.5	148
95	Autocrine Glutamate Signaling Promotes Glioma Cell Invasion. <i>Cancer Research</i> , 2007, 67, 9463-9471.	0.4	279
96	Role of Kir4.1 channels in growth control of glia. <i>Glia</i> , 2007, 55, 1668-1679.	2.5	90
97	Extracellular glutamine is a critical modulator for regulatory volume increase in human glioma cells. <i>Brain Research</i> , 2007, 1144, 231-238.	1.1	24
98	Functional expression of Kir4.1 channels in spinal cord astrocytes. <i>Glia</i> , 2006, 53, 516-528.	2.5	103
99	Expression and function of calcium-activated potassium channels in human glioma cells. <i>Glia</i> , 2006, 54, 223-233.	2.5	142
100	Anion channels in astrocytes: Biophysics, pharmacology, and function. <i>Glia</i> , 2006, 54, 747-757.	2.5	110
101	A role for ion channels in glioma cell invasion. <i>Neuron Glia Biology</i> , 2006, 2, 39-49.	2.0	169
102	A role for ion channels in glioma cell invasion. <i>Neuron Glia Biology</i> , 2006, 2, 39-49.	2.0	111
103	Neuregulin-1 enhances survival of human astrocytic glioma cells. <i>Glia</i> , 2005, 51, 217-228.	2.5	45
104	Modulation of glioma BK channels via erbB2. <i>Journal of Neuroscience Research</i> , 2005, 81, 179-189.	1.3	23
105	Inhibition of Cystine Uptake Disrupts the Growth of Primary Brain Tumors. <i>Journal of Neuroscience</i> , 2005, 25, 7101-7110.	1.7	281
106	Ion Channels and Amino Acid Transporters Support the Growth and Invasion of Primary Brain Tumors. <i>Molecular Neurobiology</i> , 2004, 29, 61-72.	1.9	57
107	Mislocalization of Kir channels in malignant glia. <i>Glia</i> , 2004, 46, 63-73.	2.5	93
108	Biophysical and pharmacological characterization of hypotonically activated chloride currents in cortical astrocytes. <i>Glia</i> , 2004, 46, 419-436.	2.5	59

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109	Role for calcium-activated potassium channels (BK) in growth control of human malignant glioma cells. <i>Journal of Neuroscience Research</i> , 2004, 78, 224-234.	1.3	110
110	Current Transients Associated with BK Channels in Human Glioma Cells. <i>Journal of Membrane Biology</i> , 2003, 193, 201-213.	1.0	4
111	Malignant gliomas: perverting glutamate and ion homeostasis for selective advantage. <i>Trends in Neurosciences</i> , 2003, 26, 543-549.	4.2	113
112	Chlorotoxin Inhibits Glioma Cell Invasion via Matrix Metalloproteinase-2. <i>Journal of Biological Chemistry</i> , 2003, 278, 4135-4144.	1.6	362
113	Contribution of chloride channels to volume regulation of cortical astrocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1460-C1467.	2.1	44
114	Neuregulin-1 Enhances Motility and Migration of Human Astrocytic Glioma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 20971-20978.	1.6	47
115	Expression of Voltage-Gated Chloride Channels in Human Glioma Cells. <i>Journal of Neuroscience</i> , 2003, 23, 5572-5582.	1.7	152
116	Modulation of Glutamatergic Transmission by Bergmann Glial Cells in Rat Cerebellum In Situ. <i>Journal of Neurophysiology</i> , 2003, 89, 979-988.	0.9	37
117	Genetic Ablation of Phosphatidylinositol Transfer Protein Function in Murine Embryonic Stem Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 739-754.	0.9	64
118	Modulation of glial glutamate transport through cell interactions with the extracellular matrix. <i>International Journal of Developmental Neuroscience</i> , 2002, 20, 209-217.	0.7	14
119	Cloning and Characterization of Glioma BK, a Novel BK Channel Isoform Highly Expressed in Human Glioma Cells. <i>Journal of Neuroscience</i> , 2002, 22, 1840-1849.	1.7	150
120	BK channels in human glioma cells have enhanced calcium sensitivity. <i>Glia</i> , 2002, 38, 281-291.	2.5	81
121	Chlorotoxin, a scorpion-derived peptide, specifically binds to gliomas and tumors of neuroectodermal origin. <i>Glia</i> , 2002, 39, 162-173.	2.5	238
122	BK channels in human glioma cells have enhanced calcium sensitivity. , 2002, 38, 281.		2
123	Inhibition of Glial Na ⁺ and K ⁺ Currents by Tamoxifen. <i>Journal of Membrane Biology</i> , 2001, 181, 125-135.	1.0	32
124	Electrophysiological Characteristics of Reactive Astrocytes in Experimental Cortical Dysplasia. <i>Journal of Neurophysiology</i> , 2001, 85, 1719-1731.	0.9	135
125	Volume-Activated Chloride Currents Contribute to the Resting Conductance and Invasive Migration of Human Glioma Cells. <i>Journal of Neuroscience</i> , 2001, 21, 7674-7683.	1.7	178
126	BK Channels in Human Glioma Cells. <i>Journal of Neurophysiology</i> , 2001, 85, 790-803.	0.9	113

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127	Reduced expression of connexin-43 and functional gap junction coupling in human gliomas. <i>Glia</i> , 2001, 33, 107-117.	2.5	140
128	Reactive astrocytes show enhanced inwardly rectifying K ⁺ currents in situ. <i>NeuroReport</i> , 2000, 11, 3151-3155.	0.6	29
129	Role of lysophosphatidic acid and Rho in glioma cell motility. <i>Cytoskeleton</i> , 2000, 45, 185-199.	4.4	97
130	Ion channel expression by astrocytes in situ: Comparison of different CNS regions. , 2000, 30, 27-38.		80
131	Changes in ion channel expression accompany cell cycle progression of spinal cord astrocytes. , 2000, 30, 39-48.		146
132	Activity-dependent extracellular K ⁺ accumulation in rat optic nerve: the role of glial and axonal Na ⁺ pumps. <i>Journal of Physiology</i> , 2000, 522, 427-442.	1.3	179
133	Muscarinic Activation of BK Channels Induces Membrane Oscillations in Glioma Cells and Leads to Inhibition of Cell Migration. <i>Journal of Membrane Biology</i> , 2000, 176, 31-40.	1.0	47
134	Muscarinic Activation of BK Channels Induces Membrane Oscillations in Glioma Cells and Leads to Inhibition of Cell Migration. <i>Journal of Membrane Biology</i> , 2000, 176, 31-40.	1.0	55
135	Modulation of Kv1.5 Currents by Src Tyrosine Phosphorylation: Potential Role in the Differentiation of Astrocytes. <i>Journal of Neuroscience</i> , 2000, 20, 5245-5253.	1.7	72
136	Differential Inhibition of Glial K ⁺ Currents by 4-AP. <i>Journal of Neurophysiology</i> , 1999, 82, 3476-3487.	0.9	35
137	Modulation of Glioma Cell Migration and Invasion Using Cl ⁻ and K ⁺ Ion Channel Blockers. <i>Journal of Neuroscience</i> , 1999, 19, 5942-5954.	1.7	282
138	Compromised Glutamate Transport in Human Glioma Cells: Reduction of Mislocalization of Sodium-Dependent Glutamate Transporters and Enhanced Activity of Cystine-Glutamate Exchange. <i>Journal of Neuroscience</i> , 1999, 19, 10767-10777.	1.7	312
139	Recording of intracellular Ca ²⁺ , Cl ⁻ , pH and membrane potential in cultured astrocytes using a fluorescence plate reader. <i>Journal of Neuroscience Methods</i> , 1999, 91, 73-81.	1.3	21
140	Metabotropic glutamate receptor agonists reduce glutamate release from cultured astrocytes. <i>Glia</i> , 1999, 25, 270-281.	2.5	37
141	Metabotropic glutamate receptor agonists reduce glutamate release from cultured astrocytes. <i>Glia</i> , 1999, 25, 270-81.	2.5	10
142	Glioma cells release excitotoxic concentrations of glutamate. <i>Cancer Research</i> , 1999, 59, 4383-91.	0.4	329
143	Astrocytes from Human Hippocampal Epileptogenic Foci Exhibit Action Potential-Like Responses. <i>Epilepsia</i> , 1998, 39, 347-354.	2.6	63
144	Lysophosphatidic acid stimulates actomyosin contraction in astrocytes. , 1998, 53, 343-352.		52

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145	Astrocytes protect neurons from neurotoxic injury by serum glutamate. , 1998, 22, 237-248.		93
146	Passive Glial Cells, Fact or Artifact?. Journal of Membrane Biology, 1998, 166, 213-222.	1.0	18
147	Properties of human glial cells associated with epileptic seizure foci. Epilepsy Research, 1998, 32, 286-303.	0.8	239
148	Expression of voltage-activated chloride currents in acute slices of human gliomas. Neuroscience, 1998, 83, 1161-1173.	1.1	92
149	Chapter 17 Glial glutamate transport as target for nitric oxide: consequences for neurotoxicity. Progress in Brain Research, 1998, 118, 241-251.	0.9	12
150	Spinal Cord Astrocytes Display a Switch From TTX-Sensitive to TTX-Resistant Sodium Currents After Injury-Induced Gliosis In Vitro. Journal of Neurophysiology, 1998, 79, 2222-2226.	0.9	17
151	Electrophysiological Properties of Human Astrocytic Tumor Cells In Situ: Enigma of Spiking Glial Cells. Journal of Neurophysiology, 1998, 79, 2782-2793.	0.9	97
152	Use of chlorotoxin for targeting of primary brain tumors. Cancer Research, 1998, 58, 4871-9.	0.4	164
153	Postnatal Development of Ionic Currents in Rat Hippocampal Astrocytes In Situ. Journal of Neurophysiology, 1997, 78, 461-477.	0.9	150
154	Electrophysiological Changes That Accompany Reactive Gliosis<i>In Vitro</i>. Journal of Neuroscience, 1997, 17, 7316-7329.	1.7	118
155	Cell cycle-dependent expression of a glioma-specific chloride current: proposed link to cytoskeletal changes. American Journal of Physiology - Cell Physiology, 1997, 273, C1290-C1297.	2.1	101
156	Bovine serum albumin and lysophosphatidic acid stimulate calcium mobilization and reversal of cAMP-induced stellation in rat spinal cord astrocytes. , 1997, 20, 163-172.		46
157	Spontaneous intracellular calcium oscillations in cortical astrocytes from a patient with intractable childhood epilepsy (Rasmussen's Encephalitis). Glia, 1997, 21, 332-337.	2.5	43
158	Ion channel expression and function in astrocytic scars. , 1997, , 101-113.		1
159	Voltage-gated Na ⁺ channels in glia: properties and possible functions. Trends in Neurosciences, 1996, 19, 325-331.	4.2	117
160	Biophysical and pharmacological characterization of chloride currents in human astrocytoma cells. American Journal of Physiology - Cell Physiology, 1996, 270, C1511-C1521.	2.1	76
161	Astrocytic inwardly rectifying potassium currents are dependent on external sodium ions. Journal of Neurophysiology, 1996, 76, 626-630.	0.9	40
162	Cytokine modulation of glial glutamate uptake. NeuroReport, 1996, 7, 2181-2185.	0.6	196

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163	Human astrocytoma cells express a unique chloride current. <i>NeuroReport</i> , 1996, 7, 1020-1024.	0.6	48
164	Manipulation of the delayed rectifier Kv1.5 potassium channel in glial cells by antisense oligodeoxynucleotides. <i>Glia</i> , 1996, 18, 177-184.	2.5	47
165	Human epileptic astrocytes exhibit increased gap junction coupling. <i>Glia</i> , 1995, 15, 195-202.	2.5	121
166	Biophysical and pharmacological characterization of inwardly rectifying K ⁺ currents in rat spinal cord astrocytes. <i>Journal of Neurophysiology</i> , 1995, 73, 333-346.	0.9	199
167	Review : Glial Neuronal Interactions: A Physiological Perspective. <i>Neuroscientist</i> , 1995, 1, 328-337.	2.6	16
168	Adrenergic Modulation of Glial Inwardly Rectifying Potassium Channels. <i>Journal of Neurochemistry</i> , 1995, 64, 1576-1584.	2.1	52
169	The oligodendrocyte, the perinodal astrocyte, and the central node of Ranvier. , 1995, , 116-143.		6
170	Astrocyte Na ⁺ channels are required for maintenance of Na ⁺ /K ⁽⁺⁾ -ATPase activity. <i>Journal of Neuroscience</i> , 1994, 14, 2464-2475.	1.7	139
171	Rat hippocampal astrocytes exhibit electrogenic sodium-bicarbonate co-transport. <i>Journal of Neurophysiology</i> , 1994, 72, 2580-2589.	0.9	50
172	Voltage-dependent ion channels in glial cells. <i>Glia</i> , 1994, 11, 156-172.	2.5	256
173	Astrocytes exhibit regional specificity in gap-junction coupling. <i>Glia</i> , 1994, 11, 315-325.	2.5	125
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