Brian A. MacVicar

List of Publications by Year
in descending order

156	18,142	11651 70	13379 130
papers	citations	h-index	g-index

160	160	160	15571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glial and neuronal control of brain blood flow. Nature, 2010, 468, 232-243.	27.8	2,003
2	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	14.8	1,098
3	Calcium transients in astrocyte endfeet cause cerebrovascular constrictions. Nature, 2004, 431, 195-199.	27.8	789
4	Brain metabolism dictates the polarity of astrocyte control over arterioles. Nature, 2008, 456, 745-749.	27.8	642
5	Microglia: Dynamic Mediators of Synapse Development and Plasticity. Trends in Immunology, 2015, 36, 605-613.	6.8	537
6	Ischemia Opens Neuronal Gap Junction Hemichannels. Science, 2006, 312, 924-927.	12.6	499
7	Voltage-dependent calcium channels in glial cells. Science, 1984, 226, 1345-1347.	12.6	340
8	Activation of Pannexin-1 Hemichannels Augments Aberrant Bursting in the Hippocampus. Science, 2008, 322, 1555-1559.	12.6	328
9	Electrotonic coupling between pyramidal cells: a direct demonstration in rat hippocampal slices. Science, 1981, 213, 782-785.	12.6	318
10	Pannexin channels are not gap junction hemichannels. Channels, 2011, 5, 193-197.	2.8	305
11	Astrocyte control of the cerebrovasculature. Glia, 2007, 55, 1214-1221.	4.9	280
12	Imaging of synaptically evoked intrinsic optical signals in hippocampal slices. Journal of Neuroscience, 1991, 11, 1458-1469.	3.6	279
13	Imaging cell volume changes and neuronal excitation in the hippocampal slice. Neuroscience, 1994, 62, 371-383.	2.3	272
14	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: Review and recommendations of the COSBID research group. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1595-1625.	4.3	255
15	Astrocyte Regulation of Blood Flow in the Brain. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020388.	5.5	249
16	Non-junction functions of pannexin-1 channels. Trends in Neurosciences, 2010, 33, 93-102.	8.6	237
17	Activation of Neuronal NMDA Receptors Triggers Transient ATP-Mediated Microglial Process Outgrowth. Journal of Neuroscience, 2014, 34, 10511-10527.	3.6	229
18	Metabolic Communication between Astrocytes and Neurons via Bicarbonate-Responsive Soluble Adenylyl Cyclase. Neuron, 2012, 75, 1094-1104.	8.1	225

#	Article	IF	Citations
19	Local synaptic circuits in rat hippocampus: interactions between pyramidal cells. Brain Research, 1980, 184, 220-223.	2.2	214
20	P2X7-Like Receptor Activation in Astrocytes Increases Chemokine Monocyte Chemoattractant Protein-1 Expression via Mitogen-Activated Protein Kinase. Journal of Neuroscience, 2001, 21, 7135-7142.	3.6	212
21	Dye-coupling between CA3 pyramidal cells in slices of rat hippocampus. Brain Research, 1980, 196, 494-497.	2.2	199
22	Microglial CR3 Activation Triggers Long-Term Synaptic Depression in the Hippocampus via NADPH Oxidase. Neuron, 2014, 82, 195-207.	8.1	199
23	Adrenergic calcium signaling in astrocyte networks within the hippocampal slice. Journal of Neuroscience, 1995, 15, 5535-5550.	3.6	198
24	The Cellular Mechanisms of Neuronal Swelling Underlying Cytotoxic Edema. Cell, 2015, 161, 610-621.	28.9	197
25	Imaging Spreading Depression and Associated Intracellular Calcium Waves in Brain Slices. Journal of Neuroscience, 1998, 18, 7189-7199.	3.6	195
26	Astrocyte-Mediated Distributed Plasticity at Hypothalamic Glutamate Synapses. Neuron, 2009, 64, 391-403.	8.1	189
27	GABA-activated Cl- channels in astrocytes of hippocampal slices. Journal of Neuroscience, 1989, 9, 3577-3583.	3.6	183
28	Cholinergic-Dependent Plateau Potential in Hippocampal CA1 Pyramidal Neurons. Journal of Neuroscience, 1996, 16, 4113-4128.	3.6	182
29	Dye transfer through gap junctions between neuroendocrine cells of rat hypothalamus. Science, 1981, 211, 1187-1189.	12.6	181
30	ATP Released From Astrocytes During Swelling Activates Chloride Channels. Journal of Neurophysiology, 2003, 89, 1870-1877.	1.8	176
31	Tumor-Suppressive Effects of Pannexin 1 in C6 Glioma Cells. Cancer Research, 2007, 67, 1545-1554.	0.9	172
32	Microglia processes block the spread of damage in the brain and require functional chloride channels. Glia, 2009, 57, 1610-1618.	4.9	166
33	Electrotonic coupling between granule cells of rat dentate gyrus: physiological and anatomical evidence.. Journal of Neurophysiology, 1982, 47, 579-592.	1.8	161
34	Intrinsic optical signals in the rat optic nerve: Role for K+ uptake via NKCC1 and swelling of astrocytes. Glia, 2002, 37, 114-123.	4.9	152
35	Mitogen-Activated Protein and Tyrosine Kinases in the Activation of Astrocyte Volume-Activated Chloride Current. Journal of Neuroscience, 1998, 18, 1196-1206.	3.6	150
36	Nanoscale Surveillance of the Brain by Microglia via cAMP-Regulated Filopodia. Cell Reports, 2019, 27, 2895-2908.e4.	6.4	149

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37	Local neuronal circuitry underlying cholinergic rhythmical slow activity in CA3 area of rat hippocampal slices.. Journal of Physiology, 1989, 417, 197-212.	2.9	148
38	Microglial metabolic flexibility supports immune surveillance of the brain parenchyma. Nature Communications, 2020, 11, 1559.	12.8	139
39	Calcium activated potassium channels in cultured astrocytes. Neuroscience, 1986, 19, 29-41.	2.3	138
40	GABAA/benzodiazepine receptors in acutely isolated hippocampal astrocytes. Journal of Neuroscience, 1995, 15, 2720-2732.	3.6	137
41	Glutamate Release through Volume-Activated Channels during Spreading Depression. Journal of Neuroscience, 1999, 19, 6439-6445.	3.6	129
42	Activation of Presynaptic P2X₇-Like Receptors Depresses Mossy Fiberâ€“CA3 Synaptic Transmission through p38 Mitogen-Activated Protein Kinase. Journal of Neuroscience, 2002, 22, 5938-5945.	3.6	128
43	In vitro ischemia promotes calcium influx and intracellular calcium release in hippocampal astrocytes. Journal of Neuroscience, 1996, 16, 71-81.	3.6	127
44	Lipid Nanoparticle Delivery of siRNA to Silence Neuronal Gene Expression in the Brain. Molecular Therapy - Nucleic Acids, 2013, 2, e136.	5.1	127
45	Transient Swelling, Acidification, and Mitochondrial Depolarization Occurs in Neurons but not Astrocytes during Spreading Depression. Cerebral Cortex, 2010, 20, 2614-2624.	2.9	123
46	Ca²⁺transients in astrocyte fine processes occur via Ca²⁺influx in the adult mouse hippocampus. Glia, 2016, 64, 2093-2103.	4.9	120
47	Expression of voltage-gated Ca2+ channel subtypes in cultured astrocytes. Glia, 2003, 41, 347-353.	4.9	119
48	Prevention of LPS-Induced Microglia Activation, Cytokine Production and Sickness Behavior with TLR4 Receptor Interfering Peptides. PLoS ONE, 2013, 8, e60388.	2.5	116
49	Voltage-activated K+ currents in acutely isolated hippocampal astrocytes. Journal of Neuroscience, 1992, 12, 1781-1788.	3.6	115
50	Neurotrophin Modulation of NMDA Receptors in Cultured Murine and Isolated Rat Neurons. Journal of Neurophysiology, 1997, 78, 2363-2371.	1.8	113
51	Anion channels in astrocytes: Biophysics, pharmacology, and function. Glia, 2006, 54, 747-757.	4.9	110
52	Immunometabolism in the Brain: How Metabolism Shapes Microglial Function. Trends in Neurosciences, 2020, 43, 854-869.	8.6	110
53	Astrocytic GABA receptors. Glia, 1994, 11, 83-93.	4.9	107
54	Mapping synaptic glutamate transporter dysfunction in vivo to regions surrounding Aî² plaques by iGluSnFR two-photon imaging. Nature Communications, 2016, 7, 13441.	12.8	105

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55	Polyethylene glycol embedding: a technique compatible with immunocytochemistry, enzyme histochemistry, histofluorescence and intracellular staining. Journal of Neuroscience Methods, 1983, 7, 27-41.	2.5	102
56	D1 Receptors Physically Interact with N-Type Calcium Channels to Regulate Channel Distribution and Dendritic Calcium Entry. Neuron, 2008, 58, 557-570.	8.1	101
57	Low-threshold transient calcium current in rat hippocampal lacunosum- moleculare interneurons: kinetics and modulation by neurotransmitters. Journal of Neuroscience, 1991, 11, 2812-2820.	3.6	98
58	Norepinephrine and cyclic adenosine 3?:5?-cyclic monophosphate enhance a nifedipine-sensitive calcium current in cultured rat astrocytes. Glia, 1988, 1, 359-365.	4.9	97
59	Arachidonic acid inhibits sodium currents and synaptic transmission in cultured striatal neurons. Neuron, 1993, 11, 633-644.	8.1	95
60	Potassium-dependent calcium influx in acutely isolated hippocampal astrocytes. Neuroscience, 1994, 61, 51-61.	2.3	91
61	A novel tetrodotoxin-insensitive, slow sodium current in striatal and hippocampal beurons. Neuron, 1993, 10, 543-552.	8.1	88
62	Neurone-glia interactions in the hypothalamus and pituitary. Trends in Neurosciences, 1996, 19, 363-367.	8.6	88
63	Connexin and pannexin hemichannels of neurons and astrocytes. Channels, 2008, 2, 81-86.	2.8	88
64	3DMorph Automatic Analysis of Microglial Morphology in Three Dimensions fromEx VivoandIn VivoImaging. ENeuro, 2018, 5, ENEURO.0266-18.2018.	1.9	87
65	Regenerative Glutamate Release by Presynaptic NMDA Receptors Contributes to Spreading Depression. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1582-1594.	4.3	85
66	Modulation of intracellular Ca++ in cultured astrocytes by influx through voltage-activated Ca++ channels. Glia, 1991, 4, 448-455.	4.9	84
67	Bidirectional control of arteriole diameter by astrocytes. Experimental Physiology, 2011, 96, 393-399.	2.0	82
68	Dye-coupling between pyramidal cells of rat hippocampus in vivo. Brain Research, 1982, 238, 239-244.	2.2	81
69	Topiramate Inhibits the Initiation of Plateau Potentials in CA1 Neurons by Depressing R-type Calcium Channels. Epilepsia, 2005, 46, 481-489.	5.1	81
70	Microglial modulation of neuronal activity in the healthy brain. Developmental Neurobiology, 2018, 78, 593-603.	3.0	80
71	Glutathione Restores the Mechanism of Synaptic Plasticity in Aged Mice to That of the Adult. PLoS ONE, 2011, 6, e20676.	2.5	77
72	Mapping patterns of neuronal activity and seizure propagation by imaging intrinsic optical signals in the isolated whole brain of the guinea-pig. Neuroscience, 1994, 58, 461-480.	2.3	76

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73	Cognitive flexibility and long-term depression (LTD) are impaired following Î²-catenin stabilization in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8631-8636.	7.1	75
74	Increased 20-HETE Synthesis Explains Reduced Cerebral Blood Flow But Not Impaired Neurovascular Coupling after Cortical Spreading Depression in Rat Cerebral Cortex. Journal of Neuroscience, 2013, 33, 2562-2570.	3.6	73
75	Nitric oxide promotes intracellular calcium release from mitochondria in striatal neurons. FASEB Journal, 2002, 16, 1611-1622.	0.5	71
76	Synaptic modulation by dopamine of calcium currents in rat pars intermedia. Journal of Neuroscience, 1990, 10, 757-763.	3.6	67
77	Infrared video microscopy to visualize neurons in the in vitro brain slice preparation. Journal of Neuroscience Methods, 1984, 12, 133-139.	2.5	65
78	Contribution of calcium-dependent facilitation to synaptic plasticity revealed by migraine mutations in the P/Q-type calcium channel. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18694-18699.	7.1	64
79	Plasma membrane insertion of TRPC5 channels contributes to the cholinergic plateau potential in hippocampal CA1 pyramidal neurons. Hippocampus, 2011, 21, 958-967.	1.9	63
80	Cyclic Nucleotide-Gated Channels Contribute to the Cholinergic Plateau Potential in Hippocampal CA1 Pyramidal Neurons. Journal of Neuroscience, 2001, 21, 8707-8714.	3.6	61
81	Intracellular recordings from the paraventricular nucleus in slices of rat hypothalamus.. Journal of Physiology, 1980, 301, 101-114.	2.9	58
82	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. Journal of Neuroscience, 2017, 37, 2403-2414.	3.6	58
83	Depolarizing prepotentials are Na+ dependent in CA1 pyramidal neurons. Brain Research, 1985, 333, 378-381.	2.2	57
84	Multiple types of calcium channels in acutely isolated rat neostriatal neurons. Journal of Neuroscience, 1993, 13, 1244-1257.	3.6	56
85	A dopaminergic inhibitory postsynaptic potential mediated by an increased potassium conductance. Neuroscience, 1989, 31, 673-681.	2.3	55
86	Muscarinic Enhancement of R-Type Calcium Currents in Hippocampal CA1 Pyramidal Neurons. Journal of Neuroscience, 2006, 26, 6249-6258.	3.6	55
87	Postsynaptic potentials mediated by GABA and dopamine evoked in stellate glial cells of the pituitary pars intermedia. Journal of Neuroscience, 1993, 13, 4660-4668.	3.6	53
88	Imaging the induction and spread of seizure activity in the isolated brain of the guinea pig: the roles of GABA and glutamate receptors. Journal of Neurophysiology, 1996, 76, 3471-3492.	1.8	53
89	In vivo imaging reveals that pregabalin inhibits cortical spreading depression and propagation to subcortical brain structures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2401-2406.	7.1	53
90	Uncoupling of CA3 pyramidal neurons by propionate. Brain Research, 1985, 330, 141-145.	2.2	52

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91	Membrane conductance oscillations in astrocytes induced by phorbol ester. Nature, 1987, 329, 242-243.	27.8	49
92	Electrophysiological properties of neuroendocrine cells of the intact rat pars intermedia: multiple calcium currents. Journal of Neuroscience, 1990, 10, 748-756.	3.6	44
93	p38 Mitogen-Activated Protein Kinase Contributes to Adenosine A1 Receptor-Mediated Synaptic Depression in Area CA1 of the Rat Hippocampus. Journal of Neuroscience, 2006, 26, 12427-12438.	3.6	44
94	Morphological differentiation of cultured astrocytes is blocked by cadmium or cobalt. Brain Research, 1987, 420, 175-177.	2.2	42
95	Pannexin1 knockout and blockade reduces ischemic stroke injury in female, but not in male mice. Oncotarget, 2017, 8, 36973-36983.	1.8	39
96	Neuroinflammatory inhibition of synaptic longâ€term potentiation requires immunometabolic reprogramming of microglia. Glia, 2021, 69, 567-578.	4.9	38
97	Ca_V3.2 drives sustained burstâ€firing, which is critical for absence seizure propagation in reticular thalamic neurons. Epilepsia, 2018, 59, 778-791.	5.1	36
98	Inhibition of synaptic transmission in the hippocampus by cholecystokinin (CCK) and its antagonism by a CCK analog (CCK27â€“33). Brain Research, 1987, 406, 130-135.	2.2	34
99	VRACs CARVe a Path for Novel Mechanisms of Communication in the CNS. Science's STKE: Signal Transduction Knowledge Environment, 2006, 2006, pe42-pe42.	3.9	33
100	A reliable method for immunocytochemical identification of Lucifer Yellow injected, peptide-containing mammalian central neurons. Journal of Neuroscience Methods, 1984, 10, 59-69.	2.5	32
101	Development of Ca2+hotspots betweenLymnaeaneurons during synaptogenesis. Journal of Physiology, 2002, 539, 53-65.	2.9	32
102	Kainic acid evokes a potassium efflux from astrocytes. Neuroscience, 1988, 25, 721-725.	2.3	31
103	Biophysical and Pharmacological Characterization of Voltage-Dependent Ca²⁺Channels in Neurons Isolated From Rat Nucleus Accumbens. Journal of Neurophysiology, 1998, 79, 635-647.	1.8	31
104	Electrophysiological properties of reactive glial cells in the kainate-lesioned hippocampal slice. Brain Research, 1990, 510, 43-52.	2.2	30
105	C-Jun N-terminal kinase regulates adenosine A1 receptor-mediated synaptic depression in the rat hippocampus. Neuropharmacology, 2007, 53, 906-917.	4.1	27
106	Gamma frequency activation of inhibitory neurons in the acute phase after stroke attenuates vascular and behavioral dysfunction. Cell Reports, 2021, 34, 108696.	6.4	26
107	Progranulin promotes activation of microglia/macrophage after pilocarpine-induced status epilepticus. Brain Research, 2013, 1530, 54-65.	2.2	24
108	Glutamatergic stimulation triggers rapid KrÃ¼pple-like factor 4 expression in neurons and the overexpression of KLF4 sensitizes neurons to NMDA-induced caspase-3 activity. Brain Research, 2009, 1250, 49-62.	2.2	23

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109	Novel synaptic responses mediated by dopamine and Î³-aminobutyric acid in neuroendocrine cells of the intermediate pituitary. Neuroscience Letters, 1986, 64, 35-40.	2.1	21
110	Synaptic inputs and action potentials of magnocellular neuropeptidergic cells: Intracellular recording and staining in slices of rat hypothalamus. Brain Research Bulletin, 1982, 8, 87-93.	3.0	20
111	Delayed combinatorial treatment with flavopiridol and minocycline provides longer term protection for neuronal soma but not dendrites following global ischemia. Journal of Neurochemistry, 2008, 105, 703-713.	3.9	20
112	Theta-Frequency Facilitation of AMPA Receptor-Mediated Synaptic Currents in the Principal Cells of the Medial Septum. Journal of Neurophysiology, 2001, 85, 1709-1718.	1.8	19
113	Intracellular recordings from hippocampal CA3 pyramidal cells during repetitive activation of the mossy fibers in vitro. Brain Research, 1979, 168, 377-381.	2.2	18
114	Dye and electrotonic coupling between cultured hippocampal neurons. Neuroscience Letters, 1987, 78, 265-270.	2.1	18
115	Phosphoinositides and GTP binding proteins involved in muscarinic generation of hippocampal rhythmic slow activity. Neuroscience Letters, 1989, 102, 58-63.	2.1	18
116	Microglia in Neuronal Circuits. Neural Plasticity, 2013, 2013, 1-3.	2.2	18
117	Rap2 and TNIK control Plexin-dependent tiled synaptic innervation in C. elegans. ELife, 2018, 7, .	6.0	18
118	Serine/Threonine Protein Phosphatases and Synaptic Inhibition Regulate the Expression of Cholinergic-Dependent Plateau Potentials. Journal of Neurophysiology, 2001, 85, 1197-1205.	1.8	17
119	The Oral and Fecal Microbiota in a Canadian Cohort of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, 87, 247-258.	2.6	17
120	Identification of a GABA-activated chloride-mediated synaptic potential in rat pars intermedia. Brain Research, 1989, 483, 130-134.	2.2	16
121	Repeated NMDA receptor activation induces distinct intracellular calcium changes in subpopulations of striatal neurons in vitro. Brain Research, 1993, 627, 63-71.	2.2	16
122	A practical guide to the synthesis and use of membrane-permeant acetoxymethyl esters of caged inositol polyphosphates. Nature Protocols, 2011, 6, 327-337.	12.0	16
123	Fixation and Immunolabeling of Brain Slices: SNAPSHOT Method. Current Protocols in Neuroscience, 2015, 71, 1.23.1-1.23.12.	2.6	16
124	Astrocytes Provide Metabolic Support for Neuronal Synaptic Function in Response to Extracellular K+. Neurochemical Research, 2017, 42, 2588-2594.	3.3	16
125	Green fluorescent protein emission obscures metabolic fluorescent lifetime imaging of NAD(P)H. Biomedical Optics Express, 2019, 10, 4381.	2.9	15
126	Blockade by funnel web toxin of a calcium current in the intermediate pituitary of the rat. Neuroscience Letters, 1993, 157, 171-174.	2.1	13

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127	Human immunodeficiency virus type 1 envelope-mediated neuropathogenesis: targeted gene delivery by a Sindbis virus expression vector. Virology, 2003, 309, 61-74.	2.4	13
128	Bidirectional Control of Blood Flow by Astrocytes: A Role for Tissue Oxygen and Other Metabolic Factors. Advances in Experimental Medicine and Biology, 2016, 903, 209-219.	1.6	12
129	Hyperexcitable superior colliculus and fatal brainstem spreading depolarization in a model of Sudden Unexpected Death in Epilepsy. Brain Communications, 2022, 4, fcac006.	3.3	12
130	Neurotransmitter-Mediated Changes in the Electrophysiological Properties of Pituicytes. Journal of Neuroendocrinology, 1991, 3, 433-439.	2.6	11
131	How Spreading Depolarization Can Be the Pathophysiological Correlate of Both Migraine Aura and Stroke. Acta Neurochirurgica Supplementum, 2015, 120, 137-140.	1.0	11
132	Agrin plays a major role in the coalescence of the aquaporinâ€4 clusters induced by gammaâ€1â€containing laminin. Journal of Comparative Neurology, 2020, 528, 407-418.	1.6	10
133	PANX1 in inflammation heats up: New mechanistic insights with implications for injury and infection. Cell Calcium, 2020, 90, 102253.	2.4	10
134	An in vitro bioengineered model of the human arterial neurovascular unit to study neurodegenerative diseases. Molecular Neurodegeneration, 2020, 15, 70.	10.8	9
135	Voltage-Dependent Ionic Channels in Astrocytes. , 1993, , 137-169.		9
136	Paradoxical effects of lithium on field potentials of dentate granule cells in slices of rat hippocampus. Neuropharmacology, 1981, 20, 489-496.	4.1	8
137	Is autocrine ATP release required for activation of volume-sensitive chloride channels?. Journal of Neurophysiology, 2003, 90, 2791-2793.	1.8	8
138	Ca2+ - and voltage-dependent inactivation of Ca2+ currents in rat intermediate pituitary. Brain Research, 1991, 564, 12-18.	2.2	7
139	Controlled capillaries. Nature, 2006, 443, 642-643.	27.8	7
140	The Laminin-Induced Phosphorylation of PKCÎ´ Regulates AQP4 Distribution and Water Permeability in Rat Astrocytes. Cellular and Molecular Neurobiology, 2021, 41, 1743-1757.	3.3	7
141	Gut microbes shape microglia and cognitive function during malnutrition. Glia, 2022, 70, 820-841.	4.9	6
142	REVIEW â– : Mapping Neuronal Activity by Imaging Intrinsic Optical Signals. Neuroscientist, 1997, 3, 381-388.	3.5	5
143	Age-dependent gray matter demyelination is associated with leptomeningeal neutrophil accumulation. JCI Insight, 2022, 7, .	5.0	5
144	An incubation chamber for the simultaneous, on-slide treatment of brain sections with different reagents. Brain Research Bulletin, 1984, 12, 745-747.	3.0	4

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145	Quisqualate agonists occlude kainate-induced current in cultured striatal neurons. Neuroscience, 1991, 43, 429-436.	2.3	4
146	Neuron Activity Dependent Redox Compartmentation Revealed with a Second Generation Red-Shifted Ratiometric Sensor. ACS Chemical Neuroscience, 2020, 11, 2666-2678.	3.5	3
147	Astrocyte control of blood flow. , 2009, , 461-486.		3
148	The cost of communication in the brain. ELife, 2017, 6, .	6.0	3
149	Electrophysiological Methods for Studying Ionic Currents in Brain Slices and Cell Cultures. , 1988, , 545-588.		1
150	Disinhibition and brain rhythms.. Journal of Physiology, 1997, 500, 283-283.	2.9	1
151	An Analytical Method for Natural Channel Design. , 1998, , 362.		1
152	Driving the Early Auditory Network the Old-Fashioned Way. Cell, 2015, 163, 1307-1308.	28.9	1
153	Mitochondrial Calcium Sparkles Light Up Astrocytes. Developmental Cell, 2017, 40, 327-328.	7.0	1
154	Monitoring Intracellular Ca2+ in Brain Slices with Fluorescent Indicators. , 2005, , 12-26.		1
155	NMDA-activated currents are modulated by dopamine. Schizophrenia Research, 1995, 15, 66.	2.0	0
156	Astrocyte Regulation of Neurovascular Control. , 2013, , .		0