List of Publications by Year in descending order

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ΚΛΙΚΛΠΛ

#	Article	IF	CITATIONS
1	The NKCC1 ion transporter modulates microglial phenotype and inflammatory response to brain injury in a cell-autonomous manner. PLoS Biology, 2022, 20, e3001526.	2.6	21
2	CNS pharmacology of NKCC1 inhibitors. Neuropharmacology, 2022, 205, 108910.	2.0	31
3	Bumetanide for neonatal seizures: No light in the pharmacokinetic/dynamic tunnel. Epilepsia, 2022, 63, 1868-1873.	2.6	12
4	A physiologically validated rat model of term birth asphyxia with seizure generation after, not during, brain hypoxia. Epilepsia, 2021, 62, 908-919.	2.6	25
5	Phenobarbital and midazolam suppress neonatal seizures in a noninvasive rat model of birth asphyxia, whereas bumetanide is ineffective. Epilepsia, 2021, 62, 920-934.	2.6	34
6	Carbonic anhydrase seven bundles filamentous actin and regulates dendritic spine morphology and density. EMBO Reports, 2021, 22, e50145.	2.0	5
7	Reply to the commentary by Benâ€Ari and Delpire: Bumetanide and neonatal seizures: Fiction versus reality. Epilepsia, 2021, 62, 941-946.	2.6	19
8	Deletion of the Na-K-2Cl cotransporter NKCC1 results in a more severe epileptic phenotype in the intrahippocampal kainate mouse model of temporal lobe epilepsy. Neurobiology of Disease, 2021, 152, 105297.	2.1	11
9	The Multifaceted Roles of KCC2 in Cortical Development. Trends in Neurosciences, 2021, 44, 378-392.	4.2	56
10	Carbonic anhydrase inhibitors suppress seizures in a rat model of birth asphyxia. Epilepsia, 2021, 62, 1971-1984.	2.6	11
11	Longâ€ŧerm outcome in a noninvasive rat model of birth asphyxia with neonatal seizures: Cognitive impairment, anxiety, epilepsy, and structural brain alterations. Epilepsia, 2021, 62, 2826-2844.	2.6	13
12	APOE ε4 associates with increased risk of severe COVID-19, cerebral microhaemorrhages and post-COVID mental fatigue: a Finnish biobank, autopsy and clinical study. Acta Neuropathologica Communications, 2021, 9, 199.	2.4	55
13	Quantitative Changes in the Mitochondrial Proteome of Cerebellar Synaptosomes From Preclinical Cystatin B-Deficient Mice. Frontiers in Molecular Neuroscience, 2020, 13, 570640.	1.4	11
14	NKCC1, an Elusive Molecular Target in Brain Development: Making Sense of the Existing Data. Cells, 2020, 9, 2607.	1.8	40
15	Nest Carbon Dioxide Masks GABA-Dependent Seizure Susceptibility in the Naked Mole-Rat. Current Biology, 2020, 30, 2068-2077.e4.	1.8	23
16	Loss of nonâ€canonical KCC 2 functions promotes developmental apoptosis of cortical projection neurons. EMBO Reports, 2020, 21, e48880.	2.0	15
17	Brain interstitial pH changes in the subacute phase of hypoxic-ischemic encephalopathy in newborn pigs. PLoS ONE, 2020, 15, e0233851.	1.1	9
18	Endogenous brainâ€sparing responses in brain pH and PO ₂ in a rodent model of birth asphyxia. Acta Physiologica, 2020, 229, e13467.	1.8	32

#	Article	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0233851.		Ο
20	Title is missing!. , 2020, 15, e0233851.		0
21	Title is missing!. , 2020, 15, e0233851.		0
22	Title is missing!. , 2020, 15, e0233851.		0
23	KCC2-Mediated Clâ^' Extrusion Modulates Spontaneous Hippocampal Network Events in Perinatal Rats and Mice. Cell Reports, 2019, 26, 1073-1081.e3.	2.9	27
24	Bumepamine, a brain-permeant benzylamine derivative of bumetanide, does not inhibit NKCC1 but is more potent to enhance phenobarbital's anti-seizure efficacy. Neuropharmacology, 2018, 143, 186-204.	2.0	41
25	Surge of Peripheral Arginine Vasopressin in a Rat Model of Birth Asphyxia. Frontiers in Cellular Neuroscience, 2018, 12, 2.	1.8	26
26	Treatment of acute migraine by a partial rebreathing device: A randomized controlled pilot study. Cephalalgia, 2018, 38, 1632-1643.	1.8	3
27	K-Cl Cotransporter 2–mediated Clâ^' Extrusion Determines Developmental Stage–dependent Impact of Propofol Anesthesia on Dendritic Spines. Anesthesiology, 2017, 126, 855-867.	1.3	21
28	Comparison of Umbilical Serum Copeptin Relative to Erythropoietin and S100B as Asphyxia Biomarkers at Birth. Neonatology, 2017, 112, 60-66.	0.9	24
29	Simultaneous two-photon imaging of intracellular chloride concentration and pH in mouse pyramidal neurons in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8770-E8779.	3.3	110
30	Vasopressin excites interneurons to suppress hippocampal network activity across a broad span of brain maturity at birth. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10819-E10828.	3.3	54
31	Gap Junctions Link Regular-Spiking and Fast-Spiking Interneurons in Layer 5 Somatosensory Cortex. Frontiers in Cellular Neuroscience, 2017, 11, 204.	1.8	11
32	Serum copeptin and neuron specific enolase are markers of neonatal distress and long-term neurodevelopmental outcome. PLoS ONE, 2017, 12, e0184593.	1.1	32
33	Cold-adapted protease enables quantitation of surface proteins in the absence of membrane trafficking. BioTechniques, 2017, 62, xiv.	0.8	0
34	RhoGEF9 splice isoforms influence neuronal maturation and synapse formation downstream of $\hat{I}\pm 2$ GABAA receptors. PLoS Genetics, 2017, 13, e1007073.	1.5	16
35	Forebrainâ€independent generation of hyperthermic convulsions in infant rats. Epilepsia, 2016, 57, e1-6.	2.6	4
36	Enhanced expression of potassium-chloride cotransporter KCC2 in human temporal lobe epilepsy. Brain Structure and Function, 2016, 221, 3601-3615.	1.2	32

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37	Developmental Expression Patterns of KCC2 and Functionally Associated Molecules in the Human Brain. Cerebral Cortex, 2016, 26, 4574-4589.	1.6	103
38	CO2-evoked release of PGE2 modulates sighs and inspiration as demonstrated in brainstem organotypic culture. ELife, 2016, 5, .	2.8	39
39	BDNF is required for seizure-induced but not developmental up-regulation of KCC2 in the neonatal hippocampus. Neuropharmacology, 2015, 88, 103-109.	2.0	52
40	Pharmacotherapeutic targeting of cation hloride cotransporters in neonatal seizures. Epilepsia, 2014, 55, 806-818.	2.6	120
41	A novel prodrugâ€based strategy to increase effects of bumetanide in epilepsy. Annals of Neurology, 2014, 75, 550-562.	2.8	96
42	Carbonic Anhydrases and Brain pH in the Control of Neuronal Excitability. Sub-Cellular Biochemistry, 2014, 75, 271-290.	1.0	88
43	Comment on "Local impermeant anions establish the neuronal chloride concentration― Science, 2014, 345, 1130-1130.	6.0	27
44	Inhibition of Carbonic Anhydrase Augments GABAA Receptor-Mediated Analgesia via a Spinal Mechanism of Action. Journal of Pain, 2014, 15, 395-406.	0.7	35
45	Contributions of the Na ⁺ /K ⁺ â€ATPase, NKCC1, and Kir4.1 to hippocampal K ⁺ clearance and volume responses. Glia, 2014, 62, 608-622.	2.5	207
46	GABA actions and ionic plasticity in epilepsy. Current Opinion in Neurobiology, 2014, 26, 34-41.	2.0	188
47	Glycine Transporter-1 Controls Nonsynaptic Inhibitory Actions of Glycine Receptors in the Neonatal Rat Hippocampus. Journal of Neuroscience, 2014, 34, 10003-10009.	1.7	10
48	Cation-chloride cotransporters in neuronal development, plasticity and disease. Nature Reviews Neuroscience, 2014, 15, 637-654.	4.9	589
49	A variant of <scp>KCC</scp> 2 from patients with febrile seizures impairs neuronal Cl ^{â^'} extrusion and dendritic spine formation. EMBO Reports, 2014, 15, 723-729.	2.0	163
50	Modulation of neuronal activity by phosphorylation of the K–Cl cotransporter KCC2. Trends in Neurosciences, 2013, 36, 726-737.	4.2	196
51	Quantitative Analysis of Surface Expression of Membrane Proteins Using Coldâ€Adapted Proteases. Current Protocols in Protein Science, 2013, 73, 3.11.1-3.11.12.	2.8	0
52	Cation-chloride cotransporters NKCC1 and KCC2 as potential targets for novel antiepileptic and antiepileptogenic treatments. Neuropharmacology, 2013, 69, 62-74.	2.0	232
53	Cortical inhibition, pH and cell excitability in epilepsy: what are optimal targets for antiepileptic interventions?. Journal of Physiology, 2013, 591, 765-774.	1.3	64
54	General anaesthetics do not impair developmental expression of the KCC2 potassium-chloride cotransporter in neonatal rats during the brain growth spurt. British Journal of Anaesthesia, 2013, 110, i10-i18.	1.5	11

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55	An Ion Transport-Independent Role for the Cation-Chloride Cotransporter KCC2 in Dendritic Spinogenesis In Vivo. Cerebral Cortex, 2013, 23, 378-388.	1.6	98
56	Neuronal carbonic anhydrase VII provides GABAergic excitatory drive to exacerbate febrile seizures. EMBO Journal, 2013, 32, 2275-2286.	3.5	75
57	Acid extrusion via blood–brain barrier causes brain alkalosis and seizures after neonatal asphyxia. Brain, 2012, 135, 3311-3319.	3.7	30
58	Subplate Neurons Promote Spindle Bursts and Thalamocortical Patterning in the Neonatal Rat Somatosensory Cortex. Journal of Neuroscience, 2012, 32, 692-702.	1.7	177
59	Activity-Dependent Cleavage of the K-Cl Cotransporter KCC2 Mediated by Calcium-Activated Protease Calpain. Journal of Neuroscience, 2012, 32, 11356-11364.	1.7	157
60	Modulation of Spinal GABAergic Analgesia by Inhibition of Chloride Extrusion Capacity in Mice. Journal of Pain, 2012, 13, 546-554.	0.7	21
61	Preterm EEG: A Multimodal Neurophysiological Protocol. Journal of Visualized Experiments, 2012, , .	0.2	15
62	Aquaporinâ€4 regulates extracellular space volume dynamics during highâ€frequency synaptic stimulation: A gene deletion study in mouse hippocampus. Glia, 2012, 60, 867-874.	2.5	91
63	Chloride Homeostasis and GABA Signaling in Temporal Lobe Epilepsy. , 2012, , 581-590.		37
64	A Prestabilized Harmony. Neuron, 2011, 71, 201-202.	3.8	1
65	Cold-adapted protease enables quantitation of surface proteins in the absence of membrane trafficking. BioTechniques, 2011, 50, 255-257.	0.8	6
66	Five percent CO2 is a potent, fast-acting inhalation anticonvulsant. Epilepsia, 2011, 52, 104-114.	2.6	92
67	Respiratory alkalosis in children with febrile seizures. Epilepsia, 2011, 52, 1949-1955.	2.6	59
68	Brain alkalosis causes birth asphyxia seizures, suggesting therapeutic strategy. Annals of Neurology, 2011, 69, 493-500.	2.8	47
69	Emergence of spontaneous and evoked electroencephalographic activity in the human brain. , 2010, , 229-244.		9
70	Acetazolamide and midazolam act synergistically to inhibit neuropathic pain. Pain, 2010, 148, 302-308.	2.0	110
71	Chloride homeostasis and GABA signaling in temporal lobe epilepsy. Epilepsia, 2010, 51, 52-52.	2.6	9
72	The K ⁺ –Cl ^{â^'} cotransporter KCC2 promotes GABAergic excitation in the mature rat hippocampus. Journal of Physiology, 2010, 588, 1527-1540.	1.3	170

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73	Premature expression of KCC2 in embryonic mice perturbs neural development by an ion transportâ€independent mechanism. European Journal of Neuroscience, 2010, 31, 2142-2155.	1.2	64
74	A Single Seizure Episode Leads to Rapid Functional Activation of KCC2 in the Neonatal Rat Hippocampus. Journal of Neuroscience, 2010, 30, 12028-12035.	1.7	88
75	Spontaneous Network Events Driven by Depolarizing GABA Action in Neonatal Hippocampal Slices are Not Attributable to Deficient Mitochondrial Energy Metabolism. Journal of Neuroscience, 2010, 30, 15638-15642.	1.7	68
76	Polyamines Inhibit Carbonic Anhydrases by Anchoring to the Zinc-Coordinated Water Molecule. Journal of Medicinal Chemistry, 2010, 53, 5511-5522.	2.9	205
77	GABAergic Transmission and Neuronal Network Events During Hippocampal Development. , 2010, , 115-136.		0
78	Compensatory Enhancement of Intrinsic Spiking upon NKCC1 Disruption in Neonatal Hippocampus. Journal of Neuroscience, 2009, 29, 6982-6988.	1.7	69
79	Neurobiological and physiological mechanisms of fever-related epileptiform syndromes. Brain and Development, 2009, 31, 378-382.	0.6	26
80	Opposite effect of membrane raft perturbation on transport activity of KCC2 and NKCC1. Journal of Neurochemistry, 2009, 111, 321-331.	2.1	41
81	Cation-Chloride Cotransporters and Neuronal Function. Neuron, 2009, 61, 820-838.	3.8	708
82	Development of hemodynamic responses and functional connectivity in rat somatosensory cortex. Nature Neuroscience, 2008, 11, 72-79.	7.1	110
83	Pronounced increase in breathing rate in the "hair dryer model" of experimental febrile seizures. Epilepsia, 2008, 49, 926-928.	2.6	18
84	Generation of â€~positive slow waves' in the preterm EEG: By the brain or by the EEG setup?. Clinical Neurophysiology, 2008, 119, 1453-1454.	0.7	5
85	Relationship between neuronal vulnerability and potassium-chloride cotransporter 2 immunoreactivity in hippocampus following transient forebrain ischemia. Neuroscience, 2008, 154, 677-689.	1.1	69
86	GABAergic Control of CA3-driven Network Events in the Developing Hippocampus. , 2008, 44, 99-121.		21
87	GABAergic Depolarization of the Axon Initial Segment in Cortical Principal Neurons Is Caused by the Na–K–2Cl Cotransporter NKCC1. Journal of Neuroscience, 2008, 28, 4635-4639.	1.7	263
88	Posttraumatic GABAA-Mediated [Ca2+]i Increase Is Essential for the Induction of Brain-Derived Neurotrophic Factor-Dependent Survival of Mature Central Neurons. Journal of Neuroscience, 2008, 28, 6996-7005.	1.7	104
89	A Novel N-terminal Isoform of the Neuron-specific K-Cl Cotransporter KCC2. Journal of Biological Chemistry, 2007, 282, 30570-30576.	1.6	129
90	KCC2 Interacts with the Dendritic Cytoskeleton to Promote Spine Development. Neuron, 2007, 56, 1019-1033.	3.8	280

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91	Inhibition and Brain Work. Neuron, 2007, 56, 771-783.	3.8	365
92	The cellular, molecular and ionic basis of GABAA receptor signalling. Progress in Brain Research, 2007, 160, 59-87.	0.9	318
93	Perturbed Chloride Homeostasis and GABAergic Signaling in Human Temporal Lobe Epilepsy. Journal of Neuroscience, 2007, 27, 9866-9873.	1.7	526
94	Carbonic anhydrase activators: Activation of the human isoforms VII (cytosolic) and XIV (transmembrane) with amino acids and amines. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4107-4112.	1.0	48
95	GAT-1 acts to limit a tonic GABAA current in rat CA3 pyramidal neurons at birth. European Journal of Neuroscience, 2007, 25, 717-722.	1.2	18
96	Development of neonatal EEG activity: From phenomenology to physiology. Seminars in Fetal and Neonatal Medicine, 2006, 11, 471-478.	1.1	265
97	Intrinsic bursting of immature CA3 pyramidal neurons and consequent giant depolarizing potentials are driven by a persistent Na+current and terminated by a slow Ca2+-activated K+current. European Journal of Neuroscience, 2006, 23, 2330-2338.	1.2	79
98	Experimental febrile seizures are precipitated by a hyperthermia-induced respiratory alkalosis. Nature Medicine, 2006, 12, 817-823.	15.2	257
99	The cation-chloride cotransporter NKCC1 promotes sharp waves in the neonatal rat hippocampus. Journal of Physiology, 2006, 573, 765-773.	1.3	128
100	Carbonic anhydrase inhibitors: Inhibition of the cytosolic human isozyme VII with anions. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3139-3143.	1.0	26
101	Carbonic anhydrase inhibitors. Inhibition of the human cytosolic isozyme VII with aromatic and heterocyclic sulfonamides. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 971-976.	1.0	145
102	Distinct properties of functional KCC2 expression in immature mouse hippocampal neurons in culture and in acute slices. European Journal of Neuroscience, 2005, 21, 899-904.	1.2	143
103	Slow endogenous activity transients and developmental expression of K+-Clâ^'cotransporter 2 in the immature human cortex. European Journal of Neuroscience, 2005, 22, 2799-2804.	1.2	202
104	Two developmental switches in GABAergic signalling: the K+-Clâ^'cotransporter KCC2 and carbonic anhydrase CAVII. Journal of Physiology, 2005, 562, 27-36.	1.3	357
105	Full-Band EEG (FbEEG): A New Standard for Clinical Electroencephalography. Clinical EEG and Neuroscience, 2005, 36, 311-317.	0.9	34
106	Depolarizing GABA Acts on Intrinsically Bursting Pyramidal Neurons to Drive Giant Depolarizing Potentials in the Immature Hippocampus. Journal of Neuroscience, 2005, 25, 5280-5289.	1.7	165
107	Full-band EEG (FbEEG): an emerging standard in electroencephalography. Clinical Neurophysiology, 2005, 116, 1-8.	0.7	146
108	Evaluation of commercially available electrodes and gels for recording of slow EEG potentials. Clinical Neurophysiology, 2005, 116, 799-806.	0.7	275

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109	Phase Synchrony among Neuronal Oscillations in the Human Cortex. Journal of Neuroscience, 2005, 25, 3962-3972.	1.7	579
110	Nonneuronal Origin of CO2-Related DC EEG Shifts: An In Vivo Study in the Cat. Journal of Neurophysiology, 2004, 92, 1011-1022.	0.9	44
111	Mechanism of Activity-Dependent Downregulation of the Neuron-Specific K-Cl Cotransporter KCC2. Journal of Neuroscience, 2004, 24, 4683-4691.	1.7	446
112	Carbonic Anhydrase Isoform VII Acts as a Molecular Switch in the Development of Synchronous Gamma-Frequency Firing of Hippocampal CA1 Pyramidal Cells. Journal of Neuroscience, 2004, 24, 2699-2707.	1.7	136
113	GABA Uptake via GABA Transporter-1 Modulates GABAergic Transmission in the Immature Hippocampus. Journal of Neuroscience, 2004, 24, 5877-5880.	1.7	42
114	Stimulus-induced change in long-range temporal correlations and scaling behaviour of sensorimotor oscillations. European Journal of Neuroscience, 2004, 19, 203-218.	1.2	121
115	Infraslow oscillations modulate excitability and interictal epileptic activity in the human cortex during sleep. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5053-5057.	3.3	425
116	Vagal Nerve Stimulation Induces Intermittent Hypocapnia. Epilepsia, 2003, 44, 1588-1591.	2.6	26
117	Developmental up-regulation of KCC2 in the absence of GABAergic and glutamatergic transmission. European Journal of Neuroscience, 2003, 18, 3199-3206.	1.2	138
118	Scalp-recorded slow EEG responses generated in response to hemodynamic changes in the human brain. Clinical Neurophysiology, 2003, 114, 1744-1754.	0.7	68
119	Cation–chloride co-transporters in neuronal communication, development and trauma. Trends in Neurosciences, 2003, 26, 199-206.	4.2	739
120	Millivolt-Scale DC Shifts in the Human Scalp EEG: Evidence for a Nonneuronal Generator. Journal of Neurophysiology, 2003, 89, 2208-2214.	0.9	124
121	Very slow EEG responses lateralize temporal lobe seizures. Neurology, 2003, 60, 1098-1104.	1.5	85
122	Heterogeneous Expression of the Potassium-Chloride Cotransporter KCC2 in Gonadotropin-Releasing Hormone Neurons of the Adult Mouse. Endocrinology, 2003, 144, 3031-3036.	1.4	31
123	Cell Type-Specific Differences in Chloride-Regulatory Mechanisms and GABA _A Receptor-Mediated Inhibition in Rat Substantia Nigra. Journal of Neuroscience, 2003, 23, 8237-8246.	1.7	114
124	Post-Traumatic Hyperexcitability Is Not Caused by Impaired Buffering of Extracellular Potassium. Journal of Neuroscience, 2003, 23, 5865-5876.	1.7	36
125	BDNF-induced TrkB activation down-regulates the K+–Clâ^' cotransporter KCC2 and impairs neuronal Clâ^' extrusion. Journal of Cell Biology, 2002, 159, 747-752.	2.3	467
126	DC-EEG discloses prominent, very slow activity patterns during sleep in preterm infants. Clinical Neurophysiology, 2002, 113, 1822-1825.	0.7	100

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127	Spontaneous epileptiform activity mediated by CABAA receptors and gap junctions in the rat hippocampal slice following long-term exposure to GABAB antagonists. Neuropharmacology, 2002, 43, 563-572.	2.0	82
128	Visually Evoked Gamma Responses in the Human Brain Are Enhanced during Voluntary Hyperventilation. NeuroImage, 2002, 15, 575-586.	2.1	31
129	Postnatal Development of Rat Hippocampal Gamma Rhythm In Vivo. Journal of Neurophysiology, 2002, 88, 1469-1474.	0.9	70
130	Distinct Gamma-Band Evoked Responses to Speech and Non-Speech Sounds in Humans. Journal of Neuroscience, 2002, 22, RC211-RC211.	1.7	89
131	Patterns of cation-chloride cotransporter expression during embryonic rodent CNS development. European Journal of Neuroscience, 2002, 16, 2358-2370.	1.2	189
132	Post-insult activity is a major cause of delayed neuronal death in organotypic hippocampal slices exposed to glutamate. Neuroscience, 2001, 105, 131-137.	1.1	35
133	Enhanced Temporal Stability of Cholinergic Hippocampal Gamma Oscillations Following Respiratory Alkalosis In Vitro. Journal of Neurophysiology, 2001, 85, 2063-2069.	0.9	37
134	The KCl cotransporter, KCC2, is highly expressed in the vicinity of excitatory synapses in the rat hippocampus. European Journal of Neuroscience, 2001, 13, 2205-2217.	1.2	205
135	Extracellular carbonic anhydrase activity facilitates lactic acid transport in rat skeletal muscle fibres. Journal of Physiology, 2001, 531, 743-756.	1.3	58
136	Fast Network Oscillations in the Newborn Rat HippocampusIn Vitro. Journal of Neuroscience, 2000, 20, 1170-1178.	1.7	65
137	Synaptic GABA _A Activation Inhibits AMPA-Kainate Receptor–Mediated Bursting in the Newborn (<i>P0–P2</i>) Rat Hippocampus. Journal of Neurophysiology, 2000, 83, 359-366.	0.9	107
138	GABAergic excitation and K+-mediated volume transmission in the hippocampus. Progress in Brain Research, 2000, 125, 329-338.	0.9	60
139	Different sensitivities of human and rat 🕯 GABA receptors to extracellular pH. Neuropharmacology, 2000, 39, 977-989.	2.0	16
140	Pharmacological Isolation of the Synaptic and Nonsynaptic Components of the GABA-Mediated Biphasic Response in Rat CA1 Hippocampal Pyramidal Cells. Journal of Neuroscience, 1999, 19, 9252-9260.	1.7	72
141	Synaptic Activation of GABAA Receptors Induces Neuronal Uptake of Ca2+ in Adult Rat Hippocampal Slices. Journal of Neurophysiology, 1999, 81, 811-816.	0.9	29
142	The K+/Clâ^' co-transporter KCC2 renders GABA hyperpolarizing during neuronal maturation. Nature, 1999, 397, 251-255.	13.7	1,892
143	Effects of voluntary hyperventilation on cortical sensory responses. Experimental Brain Research, 1999, 125, 248-254.	0.7	55
144	Distribution of GABA receptor ϕsubunit transcripts in the rat brain. European Journal of Neuroscience, 1998, 10, 350-357.	1.2	120

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145	Effect of heparinâ€binding growthâ€associated molecule (HBâ€GAM) on synaptic transmission and early LTP in rat hippocampal slices. European Journal of Neuroscience, 1998, 10, 188-194.	1.2	60
146	Sphingosine Inhibits Voltage-operated Calcium Channels in GH4C1 Cells. Journal of Biological Chemistry, 1998, 273, 242-247.	1.6	47
147	Changes in [Ca2+]0 during anoxia in CNS white matter. NeuroReport, 1998, 9, 1997-2000.	0.6	15
148	Ionic Mechanisms of Spontaneous GABAergic Events in Rat Hippocampal Slices Exposed to 4-Aminopyridine. Journal of Neurophysiology, 1997, 78, 2582-2591.	0.9	84
149	Long-Lasting GABA-Mediated Depolarization Evoked by High-Frequency Stimulation in Pyramidal Neurons of Rat Hippocampal Slice Is Attributable to a Network-Driven, Bicarbonate-Dependent K ⁺ Transient. Journal of Neuroscience, 1997, 17, 7662-7672.	1.7	299
150	Posttetanic Excitation Mediated by GABA _A Receptors in Rat CA1 Pyramidal Neurons. Journal of Neurophysiology, 1997, 77, 2213-2218.	0.9	93
151	Proton Modulation of Functionally Distinct GABA A Receptors in Acutely Isolated Pyramidal Neurons of Rat Hippocampus. Neuropharmacology, 1996, 35, 1279-1288.	2.0	77
152	Role of voltage-gated calcium channels in the generation of activity-induced extracellular pH transients in the rat hippocampal slice. Journal of Neurophysiology, 1996, 75, 2354-2360.	0.9	27
153	The 🖥 GABA receptor cloned from rat retina is down-modulated by protons. NeuroReport, 1996, 7, 2005-2009.	0.6	31
154	Acidosis of hippocampal neurones mediated by a plasmalemmal Ca2+/H+ pump. NeuroReport, 1996, 7, 2000-2004.	0.6	82
155	Optimal resource allocation for novelty detection in a human auditory memory. NeuroReport, 1996, 7, 2479-2482.	0.6	8
156	Activity-induced enhancement of HB-GAM expression in rat hippocampal slices. NeuroReport, 1996, 7, 1670-1674.	0.6	40
157	Effects of CO2 on excitatory transmission apparently caused by changes in intracellular pH in the rat hippocampal slice. Brain Research, 1996, 706, 210-216.	1.1	100
158	Redox modulation of calcium entry and release of intracellular calcium by thimerosal in GH4C1 pituitary cells. Cell Calcium, 1996, 20, 447-457.	1.1	17
159	Studies on the role of metabotropic glutamate receptors in long-term potentiation: some methodological considerations. Journal of Neuroscience Methods, 1995, 59, 19-24.	1.3	61
160	Influence of Hepes- and CO2HCO3â^'-buffer on Ca2+ transients induced by TRH and elevated K+ in rat pituitary GH4C1 cells. Molecular and Cellular Endocrinology, 1995, 112, 77-82.	1.6	3
161	Extracellular alkaline transients mediated by glutamate receptors in the rat hippocampal slice are not due to a proton conductance. Journal of Neurophysiology, 1994, 72, 2031-2033.	0.9	44
162	lonic basis of GABAA receptor channel function in the nervous system. Progress in Neurobiology, 1994, 42, 489-537.	2.8	579

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163	Interstitial PCO2 and pH in rat hippocampal slices measured by means of a novel fast CO2/H+-sensitive microelectrode based on a PVC-gelled membrane. Pflugers Archiv European Journal of Physiology, 1993, 423, 193-201.	1.3	82
164	Intracellular carbonic anhydrase activity and its role in GABAâ€induced acidosis in isolated rat hippocampal pyramidal neurones. Acta Physiologica Scandinavica, 1993, 148, 229-231.	2.3	82
165	Intrinsic proton modulation of excitatory transmission in rat hippocampal slices. NeuroReport, 1993, 4, 93-96.	0.6	65
166	The role of bicarbonate in GABAA receptorâ€mediated IPSPs of rat neocortical neurones Journal of Physiology, 1993, 464, 273-289.	1.3	187
167	Inward current caused by sodiumâ€dependent uptake of GABA in the crayfish stretch receptor neurone Journal of Physiology, 1992, 453, 627-645.	1.3	33
168	pH transients due to monosynaptic activation of GABAA receptors in rat hippocampal slices. NeuroReport, 1992, 3, 105-108.	0.6	99
169	Modulation of pH by neuronal activity. Trends in Neurosciences, 1992, 15, 396-402.	4.2	488
170	Influence of extracellular and intracellular pH on GABA-gated chloride conductance in crayfish muscle fibres. Neuroscience, 1992, 47, 921-929.	1.1	60
171	Simultaneous measurement of intracellular and extracellular carbonic anhydrase activity in intact muscle fibres. Pflugers Archiv European Journal of Physiology, 1992, 421, 357-363.	1.3	26
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