Kristopher T Kahle

List of Publications by Citations

141 papers	7,097 citations	44 h-index	83 g-index
152 ext. papers	8,760 ext. citations	8.6 avg, IF	5.82 L-index

#	Paper	IF	Citations
141	The GABA excitatory/inhibitory shift in brain maturation and neurological disorders. *Neuroscientist*, **2012**, 18, 467-86	7.6	375
140	Molecular pathogenesis of inherited hypertension with hyperkalemia: the Na-Cl cotransporter is inhibited by wild-type but not mutant WNK4. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 680-4	11.5	342
139	WNK4 regulates the balance between renal NaCl reabsorption and K+ secretion. *Nature Genetics*, **2003**, 35, 372-6	36.3	318
138	Wnk4 controls blood pressure and potassium homeostasis via regulation of mass and activity of the distal convoluted tubule. *Nature Genetics*, **2006**, 38, 1124-32	36.3	298
137	Roles of the cation-chloride cotransporters in neurological disease. *Nature Clinical Practice Neurology*, **2008**, 4, 490-503		294
136	Hydrocephalus in children. *Lancet, The*, **2016**, 387, 788-99	40	272
135	Angiotensin II signaling increases activity of the renal Na-Cl cotransporter through a WNK4-SPAK-dependent pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4384-9	11.5	200
134	Molecular physiology of the WNK kinases. *Annual Review of Physiology*, **2008**, 70, 329-55	23.1	184
133	WNK3 modulates transport of Cl- in and out of cells: implications for control of cell volume and neuronal excitability. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16783-8	11.5	178
132	Regulation of NKCC2 by a chloride-sensing mechanism involving the WNK3 and SPAK kinases. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 8458-63	11.5	174
131	The WNK-SPAK/OSR1 pathway: master regulator of cation-chloride cotransporters. *Science Signaling*, **2014**, 7, re3	8.8	162
130	WNK3 kinase is a positive regulator of NKCC2 and NCC, renal cation-Cl- cotransporters required for normal blood pressure homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16777-82	11.5	156
129	Molecular mechanisms of ischemic cerebral edema: role of electroneutral ion transport. *Physiology*, **2009**, 24, 257-65	9.8	152
128	WNK4 regulates apical and basolateral Cl- flux in extrarenal epithelia. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 2064-9	11.5	151
127	Modulation of neuronal activity by phosphorylation of the K-Cl cotransporter KCC2. *Trends in Neurosciences*, **2013**, 36, 726-737	13.3	145
126	Paracellular Cl- permeability is regulated by WNK4 kinase: insight into normal physiology and hypertension. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 14877-82	11.5	143
125	Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. *Nature Medicine*, **2017**, 23, 997-1003	50.5	140

124	The WNK-regulated SPAK/OSR1 kinases directly phosphorylate and inhibit the K+-Cl- co-transporters. *Biochemical Journal*, **2014**, 458, 559-73	3.8	135
123	Phosphoregulation of the Na-K-2Cl and K-Cl cotransporters by the WNK kinases. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2010**, 1802, 1150-8	6.9	134
122	An SGK1 site in WNK4 regulates Na+ channel and K+ channel activity and has implications for aldosterone signaling and K+ homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4025-9	11.5	131
121	Current view on the functional regulation of the neuronal K(+)-Cl(-) cotransporter KCC2. *Frontiers in Cellular Neuroscience*, **2014**, 8, 27	6.1	129
120	Genetically encoded impairment of neuronal KCC2 cotransporter function in human idiopathic generalized epilepsy. *EMBO Reports*, **2014**, 15, 766-74	6.5	123
119	WNK1, a kinase mutated in inherited hypertension with hyperkalemia, localizes to diverse Cl- -transporting epithelia. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 663-8	11.5	120
118	WNK Kinase Signaling in Ion Homeostasis and Human Disease. *Cell Metabolism*, **2017**, 25, 285-299	24.6	114
117	WNK4 regulates activity of the epithelial Na+ channel in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4020-4	11.5	106
116	Decreased seizure activity in a human neonate treated with bumetanide, an inhibitor of the Na(+)-K(+)-2Cl(-) cotransporter NKCC1. *Journal of Child Neurology*, **2009**, 24, 572-6	2.5	100
115	WNK3 bypasses the tonicity requirement for K-Cl cotransporter activation via a phosphatase-dependent pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 1976-81	11.5	100
114	WNK protein kinases modulate cellular Cl- flux by altering the phosphorylation state of the Na-K-Cl and K-Cl cotransporters. *Physiology*, **2006**, 21, 326-35	9.8	98
113	The SLC12 family of electroneutral cation-coupled chloride cotransporters. *Molecular Aspects of Medicine*, **2013**, 34, 288-98	16.7	93
112	K-Cl cotransporters, cell volume homeostasis, and neurological disease. *Trends in Molecular Medicine*, **2015**, 21, 513-23	11.5	82
111	HGG-01. ACQUISITION OF A HYPERMUTATOR PHENOTYPE UNDERLYING DISTANT SPINAL INTRAMEDULLARY SPREAD IN HISTONE-MUTATED DIFFUSE MIDLINE GLIOMA. *Neuro-Oncology*, **2019**, 21, ii86-ii86	1	78
110	Glymphatic System Impairment in Alzheimer's Disease and Idiopathic Normal Pressure Hydrocephalus. *Trends in Molecular Medicine*, **2020**, 26, 285-295	11.5	77
109	WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. *Science Signaling*, **2015**, 8, ra65	8.8	72
108	GABAergic disinhibition and impaired KCC2 cotransporter activity underlie tumor-associated epilepsy. *Glia*, **2015**, 63, 23-36	9	72
107	Inhibition of WNK3 Kinase Signaling Reduces Brain Damage and Accelerates Neurological Recovery After Stroke. *Stroke*, **2015**, 46, 1956-1965	6.7	66

106	Regulatory domain or CpG site variation in SLC12A5, encoding the chloride transporter KCC2, in human autism and schizophrenia. *Frontiers in Cellular Neuroscience*, **2015**, 9, 386	6.1	62
105	Regulation of diverse ion transport pathways by WNK4 kinase: a novel molecular switch. *Trends in Endocrinology and Metabolism*, **2005**, 16, 98-103	8.8	60
104	WNK1-OSR1 kinase-mediated phospho-activation of Na+-K+-2Cl- cotransporter facilitates glioma migration. *Molecular Cancer*, **2014**, 13, 31	42.1	58
103	WNK kinases: molecular regulators of integrated epithelial ion transport. *Current Opinion in Nephrology and Hypertension*, **2004**, 13, 557-62	3.5	57
102	De Novo Mutation in Genes Regulating Neural Stem Cell Fate in Human Congenital Hydrocephalus. *Neuron*, **2018**, 99, 302-314.e4	13.9	53
101	De novo mutations in inhibitors of Wnt, BMP, and Ras/ERK signaling pathways in non-syndromic midline craniosynostosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7341-E7347	11.5	50
100	Chloride Dysregulation, Seizures, and Cerebral Edema: A Relationship with Therapeutic Potential. *Trends in Neurosciences*, **2017**, 40, 276-294	13.3	46
99	Inflammation in acquired hydrocephalus: pathogenic mechanisms and therapeutic targets. *Nature Reviews Neurology*, **2020**, 16, 285-296	15	44
98	Kinase-KCC2 coupling: Cl- rheostasis, disease susceptibility, therapeutic target. *Journal of Neurophysiology*, **2016**, 115, 8-18	3.2	44
97	GABA receptor dependent synaptic inhibition rapidly tunes KCC2 activity via the Cl-sensitive WNK1 kinase. *Nature Communications*, **2017**, 8, 1776	17.4	44
96	Inhibition of Na(+)-K(+)-2Cl(-) cotransporter isoform 1 accelerates temozolomide-mediated apoptosis in glioblastoma cancer cells. *Cellular Physiology and Biochemistry*, **2012**, 30, 33-48	3.9	43
95	The KCC2 Cotransporter and Human Epilepsy: Getting Excited About Inhibition. *Neuroscientist*, **2016**, 22, 555-562	7.6	40
94	Peripheral motor neuropathy is associated with defective kinase regulation of the KCC3 cotransporter. *Science Signaling*, **2016**, 9, ra77	8.8	37
93	Cerebrospinal fluid hypersecretion in pediatric hydrocephalus. *Neurosurgical Focus*, **2016**, 41, E10	4.2	34
92	Perihematomal Edema Expansion Rates and Patient Outcomes in Deep and Lobar Intracerebral Hemorrhage. *Neurocritical Care*, **2017**, 26, 205-212	3.3	34
91	Therapeutic restoration of spinal inhibition via druggable enhancement of potassium-chloride cotransporter KCC2-mediated chloride extrusion in peripheral neuropathic pain. *JAMA Neurology*, **2014**, 71, 640-5	17.2	33
90	A novel protein kinase signaling pathway essential for blood pressure regulation in humans. *Trends in Endocrinology and Metabolism*, **2008**, 19, 91-5	8.8	33
89	Modulation of brain cation-Cl cotransport via the SPAK kinase inhibitor ZT-1a. *Nature Communications*, **2020**, 11, 78	17.4	33

88	Mutations in Chromatin Modifier and Ephrin Signaling Genes in Vein of Galen Malformation. *Neuron* , **2019**, 101, 429-443.e4	13.9	33
87	Gain-of-function missense variant in SLC12A2, encoding the bumetanide-sensitive NKCC1 cotransporter, identified in human schizophrenia. *Journal of Psychiatric Research*, **2016**, 77, 22-6	5.2	31
86	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. *Science Signaling*, **2019**, 12,	8.8	31
85	Inhibition of the kinase WNK1/HSN2 ameliorates neuropathic pain by restoring GABA inhibition. *Science Signaling*, **2016**, 9, ra32	8.8	30
84	A novel method to study cerebrospinal fluid dynamics in rats. *Journal of Neuroscience Methods*, **2015**, 241, 78-84	3	30
83	Functional kinomics establishes a critical node of volume-sensitive cation-Cl cotransporter regulation in the mammalian brain. *Scientific Reports*, **2016**, 6, 35986	4.9	27
82	Impaired regulation of KCC2 phosphorylation leads to neuronal network dysfunction and neurodevelopmental pathology. *Science Signaling*, **2019**, 12,	8.8	27
81	Response to the BRAF/MEK inhibitors dabrafenib/trametinib in an adolescent with a BRAF V600E mutated anaplastic ganglioglioma intolerant to vemurafenib. *Pediatric Blood and Cancer*, **2018**, 65, e26969	3	24
80	Regulated phosphorylation of the K-Cl cotransporter KCC3 is a molecular switch of intracellular potassium content and cell volume homeostasis. *Frontiers in Cellular Neuroscience*, **2015**, 9, 255	6.1	24
79	Exome sequencing implicates genetic disruption of prenatal neuro-gliogenesis in sporadic congenital hydrocephalus. *Nature Medicine*, **2020**, 26, 1754-1765	50.5	23
78	Deletion of the WNK3-SPAK kinase complex in mice improves radiographic and clinical outcomes in malignant cerebral edema after ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 550-563	7.3	22
77	The WNK-SPAK/OSR1 Kinases and the Cation-Chloride Cotransporters as Therapeutic Targets for Neurological Diseases **2019**, 10, 626-636		22
76	Limitations of Current GABA Agonists in Neonatal Seizures: Toward GABA Modulation Via the Targeting of Neuronal Cl(-) Transport. *Frontiers in Neurology*, **2013**, 4, 78	4.1	22
75	Primary spinal myxopapillary ependymoma in the pediatric population: a study from the Surveillance, Epidemiology, and End Results (SEER) database. *Journal of Neuro-Oncology*, **2016**, 130, 133-140	4.8	21
74	SOX2 immunity and tissue resident memory in children and young adults with glioma. *Journal of Neuro-Oncology*, **2017**, 134, 41-53	4.8	20
73	Characterization of the ventricular-subventricular stem cell niche during human brain development. *Development (Cambridge)*, **2018**, 145,	6.6	20
72	Integrated K+ channel and K+Cl- cotransporter functions are required for the coordination of size and proportion during development. *Developmental Biology*, **2019**, 456, 164-178	3.1	18
71	Identification of KCC2 Mutations in Human Epilepsy Suggests Strategies for Therapeutic Transporter Modulation. *Frontiers in Cellular Neuroscience*, **2019**, 13, 515	6.1	18

70	EphrinB2-EphB4-RASA1 Signaling in Human Cerebrovascular Development and Disease. *Trends in Molecular Medicine*, **2019**, 25, 265-286	11.5	17
69	Treatment of Edema Associated With Intracerebral Hemorrhage. *Current Treatment Options in Neurology*, **2016**, 18, 9	4.4	15
68	SLC12A ion transporter mutations in sporadic and familial human congenital hydrocephalus. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e892	2.3	14
67	Visualizing flow in an intact CSF network using optical coherence tomography: implications for human congenital hydrocephalus. *Scientific Reports*, **2019**, 9, 6196	4.9	14
66	Targeting TLR4-dependent inflammation in post-hemorrhagic brain injury. *Expert Opinion on Therapeutic Targets*, **2020**, 24, 525-533	6.4	14
65	Human genetics and molecular mechanisms of vein of Galen malformation. *Journal of Neurosurgery: Pediatrics*, **2018**, 21, 367-374	2.1	14
64	Hypertension, Age, and Location Predict Rupture of Small Intracranial Aneurysms. *Neurosurgery*, **2005**, 57, 676-683	3.2	14
63	WNK-Cab39-NKCC1 signaling increases the susceptibility to ischemic brain damage in hypertensive rats. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2780-2794	7.3	13
62	Familial Trigeminal Neuralgia Cases Implicate Genetic Factors in Disease Pathogenesis. *JAMA Neurology*, **2019**, 76, 9-10	17.2	12
61	GemC1 is a critical switch for neural stem cell generation in the postnatal brain. *Glia*, **2019**, 67, 2360-2373	9	11
60	Pharmacological targeting of SPAK kinase in disorders of impaired epithelial transport. *Expert Opinion on Therapeutic Targets*, **2017**, 21, 795-804	6.4	11
59	Exome Sequencing Implicates Impaired GABA Signaling and Neuronal Ion Transport in Trigeminal Neuralgia. *IScience*, **2020**, 23, 101552	6.1	10
58	Human Genetics and Molecular Mechanisms of Congenital Hydrocephalus. *World Neurosurgery*, **2018**, 119, 441-443	2.1	10
57	Leveraging unique structural characteristics of WNK kinases to achieve therapeutic inhibition. *Science Signaling*, **2016**, 9, e3	8.8	9
56	Malignant Cerebellar Edema Subsequent to Accidental Prescription Opioid Intoxication in Children. *Frontiers in Neurology*, **2017**, 8, 362	4.1	9
55	Central nervous system lymphoma presenting as trigeminal neuralgia: A diagnostic challenge. *Journal of Clinical Neuroscience*, **2015**, 22, 1188-90	2.2	8
54	Genomic alterations underlying spinal metastases in pediatric H3K27M-mutant pineal parenchymal tumor of intermediate differentiation: case report. *Journal of Neurosurgery: Pediatrics*, **2019**, 1-10	2.1	8
53	Comparison of epidemiology, treatments, and outcomes in pediatric versus adult ependymoma. *Neuro-Oncology Advances*, **2020**, 2, vdaa019	0.9	7

52	Recessive Inheritance of Congenital Hydrocephalus With Other Structural Brain Abnormalities Caused by Compound Heterozygous Mutations in. *Frontiers in Cellular Neuroscience*, **2019**, 13, 425	6.1	7
51	Molecular Genetics and Complex Inheritance of Congenital Heart Disease. *Genes*, **2021**, 12,	4.2	7
50	Digenic mutations of human paralogs in Dent's disease type 2 associated with Chiari I malformation. *Human Genome Variation*, **2016**, 3, 16042	1.8	7
49	Functional genomics reveals that tumors with activating phosphoinositide 3-kinase mutations are dependent on accelerated protein turnover. *Genes and Development*, **2016**, 30, 2684-2695	12.6	7
48	DIAPH1 Variants in Non-East Asian Patients With Sporadic Moyamoya Disease. *JAMA Neurology*, **2021**, 78, 993-1003	17.2	7
47	Trim71/lin-41 Links an Ancient miRNA Pathway to Human Congenital Hydrocephalus. *Trends in Molecular Medicine*, **2019**, 25, 467-469	11.5	6
46	Identification of a rare pathway mutation in a non-syndromic human brain arteriovenous malformation via exome sequencing. *Human Genome Variation*, **2018**, 5, 18001	1.8	6
45	Mystery Case: Acute hydrocephalus caused by radiographically occult fourth ventricular outlet obstruction. *Neurology*, **2017**, 88, e36-e37	6.5	5
44	New drugs on the horizon for cerebral edema: what's in the clinical development pipeline?. *Expert Opinion on Investigational Drugs*, **2020**, 29, 1099-1105	5.9	5
43	Xp22.2 Chromosomal Duplication in Familial Intracranial Arachnoid Cyst. *JAMA Neurology*, **2017**, 74, 1503-1504	17.2	4
42	Novel EWSR1-VGLL1 fusion in a pediatric neuroepithelial neoplasm. *Clinical Genetics*, **2020**, 97, 791-792	4	4
41	De novo mutation in congenital scalp hemangioma. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	4
40	Functional genomics to explore cancer cell vulnerabilities. *Neurosurgical Focus*, **2010**, 28, E5	4.2	4
39	Geographic Variation in Outcomes and Costs After Spinal Fusion for Adolescent Idiopathic Scoliosis. *World Neurosurgery*, **2020**, 136, e347-e354	2.1	4
38	The Subjective Experience of Patients Undergoing Shunt Surgery for Idiopathic Normal Pressure Hydrocephalus. *World Neurosurgery*, **2018**, 119, e46-e52	2.1	4
37	PTEN mutations in autism spectrum disorder and congenital hydrocephalus: developmental pleiotropy and therapeutic targets. *Trends in Neurosciences*, **2021**, 44, 961-976	13.3	3
36	Post-traumatic seizures following pediatric traumatic brain injury. *Clinical Neurology and Neurosurgery*, **2021**, 203, 106556	2	3
35	Persistent mutation despite multimodal therapy in recurrent pediatric glioblastoma. *Npj Genomic Medicine*, **2020**, 5, 23	6.2	2

34	Exome Sequencing as a Potential Diagnostic Adjunct in Sporadic Congenital Hydrocephalus. *JAMA Pediatrics*, **2021**, 175, 310-313	8.3	2
33	9p24 triplication in syndromic hydrocephalus with diffuse villous hyperplasia of the choroid plexus. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	2
32	A novel association of campomelic dysplasia and hydrocephalus with an unbalanced chromosomal translocation upstream of. *Journal of Physical Education and Sports Management*, **2018**, 4,	2.8	2
31	Genomics of human congenital hydrocephalus. *Childs Nervous System*, **2021**, 37, 3325-3340	1.7	2
30	Risk Factors Portending Extended Length of Stay After Suboccipital Decompression for Adult Chiari I Malformation. *World Neurosurgery*, **2020**, 138, e515-e522	2.1	1
29	Preclinical insights into therapeutic targeting of KCC2 for disorders of neuronal hyperexcitability. *Expert Opinion on Therapeutic Targets*, **2020**, 24, 629-637	6.4	1
28	Non-syndromic single-suture craniosynostosis in triplets. *Childs Nervous System*, **2018**, 34, 1241-1245	1.7	1
27	Teaching NeuroImages: Spinal subdural hematoma in pediatric nonaccidental trauma. *Neurology*, **2019**, 93, e522-e523	6.5	1
26	SOX2 as a target for immunotherapy of pediatric gliomas.. *Journal of Clinical Oncology*, **2017**, 35, e22012-e22012	44.5	1
25	Brain ventricles as windows into brain development and disease.. *Neuron*, **2022**, 110, 12-15	13.9	1
24	Risk Factors for the Development of Post-Traumatic Hydrocephalus in Children. *World Neurosurgery*, **2020**, 141, e105-e111	2.1	1
23	Analysis workflow to assess genetic variants from human whole-exome sequencing. *STAR Protocols*, **2021**, 2, 100383	1.4	1
22	Unique Actions of GABA Arising from Cytoplasmic Chloride Microdomains. *Journal of Neuroscience*, **2021**, 41, 4957-4975	6.6	1
21	Protein kinase D1 variant associated with human epilepsy and peripheral nerve hypermyelination. *Clinical Genetics*, **2021**, 100, 176-186	4	1
20	Inflammatory hydrocephalus. *Childs Nervous System*, **2021**, 37, 3341-3353	1.7	1
19	Teaching NeuroImages: Unilateral focal segmental hyperhidrosis from spinal tumor progression. *Neurology*, **2019**, 93, e729-e730	6.5	1
18	Pre-operative headaches and obstructive hydrocephalus predict an extended length of stay following suboccipital decompression for pediatric Chiari I malformation. *Childs Nervous System*, **2021**, 37, 91-99	1.7	1
17	Dual activating FGFR1 mutations in pediatric pilomyxoid astrocytoma. *Molecular Genetics & Genomic Medicine*, **2021**, 9, e1597	2.3	1

List of Publications

16	Patient Risk Factors Associated With 30- and 90-Day Readmission After Ventriculoperitoneal Shunt Placement for Idiopathic Normal Pressure Hydrocephalus in Elderly Patients: A Nationwide Readmission Study. *World Neurosurgery*, **2021**, 152, e23-e31	2.1	1
15	Angiographic Pulse Wave Coherence in the Human Brain.. *Frontiers in Bioengineering and Biotechnology*, **2022**, 10, 873530	5.8	1
14	Clinical and economic burden of neurofibromatosis type 2 in the United States. *Clinical Neurology and Neurosurgery*, **2020**, 197, 106053	2	0
13	Intraventricular CSF Turbulence in Pediatric Communicating Hydrocephalus. *Neurology*, **2021**, 97, 246-247	6.5	0
12	Radiation Necrosis with Proton Therapy in a Patient with Aarskog-Scott Syndrome and Medulloblastoma.. *International Journal of Particle Therapy*, **2022**, 8, 58-65	1.5	0
11	Impact of Preoperative Anemia on Outcomes After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. *World Neurosurgery*, **2021**, 146, e214-e224	2.1	0
10	Impact of race on outcomes and healthcare utilization following spinal fusion for adolescent idiopathic scoliosis. *Clinical Neurology and Neurosurgery*, **2021**, 206, 106634	2	0
9	Genomic approaches to improve the clinical diagnosis and management of patients with congenital hydrocephalus. *Journal of Neurosurgery: Pediatrics*, **2021**, 1-10	2.1	0
8	NF-B Signaling-Mediated Activation of WNK-SPAK-NKCC1 Cascade in Worsened Stroke Outcomes of Ang II-Hypertensive Mice.. *Stroke*, **2022**, STROKEAHA121038351	6.7	0
7	Sustained glymphatic transport and impaired drainage to the nasal cavity observed in multiciliated cell ciliopathies with hydrocephalus.. *Fluids and Barriers of the CNS*, **2022**, 19, 20	7	0
6	Navigating the ventricles: Novel insights into the pathogenesis of hydrocephalus.. *EBioMedicine*, **2022**, 78, 103931	8.8	0
5	Role of SPAK-NKCC1 signaling cascade in the choroid plexus blood-CSF barrier damage after stroke.. *Journal of Neuroinflammation*, **2022**, 19, 91	10.1	0
4	SPAK/OSR1 kinases directly phosphorylate the K+-Cl- co-transporters (1109.7). *FASEB Journal*, **2014** , 28, 1109.7	0.9	
3	WNK3-SPAK/OSR1-NKCC1 Signaling Pathway in Ischemic Brain Injury. *FASEB Journal*, **2015**, 29, 844.1	0.9	
2	The Phosphorylation State of KCC3 Encodes a Potent Molecular Switch of Transporter Activity, Cell Volume, and K+ Content. *FASEB Journal*, **2015**, 29, 845.19	0.9	
1	The Effects of Pulmonary Risk Factors on Hospital Resource Use After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis Correction. *World Neurosurgery*, **2021**, 149, e737-e747	2.1	