

Kristopher T Kahle

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Brain ventricles as windows into brain development and disease.. <i>Neuron</i> , 2022 , 110, 12-15	13.9	1
140	Radiation Necrosis with Proton Therapy in a Patient with Aarskog-Scott Syndrome and Medulloblastoma.. <i>International Journal of Particle Therapy</i> , 2022 , 8, 58-65	1.5	0
139	NF-B Signaling-Mediated Activation of WNK-SPAK-NKCC1 Cascade in Worsened Stroke Outcomes of Ang II-Hypertensive Mice.. <i>Stroke</i> , 2022 , STROKEAHA121038351	6.7	0
138	Sustained glymphatic transport and impaired drainage to the nasal cavity observed in multiciliated cell ciliopathies with hydrocephalus.. <i>Fluids and Barriers of the CNS</i> , 2022 , 19, 20	7	0
137	Navigating the ventricles: Novel insights into the pathogenesis of hydrocephalus.. <i>EBioMedicine</i> , 2022 , 78, 103931	8.8	0
136	Role of SPAK-NKCC1 signaling cascade in the choroid plexus blood-CSF barrier damage after stroke.. <i>Journal of Neuroinflammation</i> , 2022 , 19, 91	10.1	0
135	Angiographic Pulse Wave Coherence in the Human Brain.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 873530	5.8	1
134	PTEN mutations in autism spectrum disorder and congenital hydrocephalus: developmental pleiotropy and therapeutic targets. <i>Trends in Neurosciences</i> , 2021 , 44, 961-976	13.3	3
133	Analysis workflow to assess genetic variants from human whole-exome sequencing. <i>STAR Protocols</i> , 2021 , 2, 100383	1.4	1
132	Exome Sequencing as a Potential Diagnostic Adjunct in Sporadic Congenital Hydrocephalus. <i>JAMA Pediatrics</i> , 2021 , 175, 310-313	8.3	2
131	Unique Actions of GABA Arising from Cytoplasmic Chloride Microdomains. <i>Journal of Neuroscience</i> , 2021 , 41, 4957-4975	6.6	1
130	Post-traumatic seizures following pediatric traumatic brain injury. <i>Clinical Neurology and Neurosurgery</i> , 2021 , 203, 106556	2	3
129	Intraventricular CSF Turbulence in Pediatric Communicating Hydrocephalus. <i>Neurology</i> , 2021 , 97, 246-248	7.5	0
128	The Effects of Pulmonary Risk Factors on Hospital Resource Use After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis Correction. <i>World Neurosurgery</i> , 2021 , 149, e737-e747	2.1	
127	Molecular Genetics and Complex Inheritance of Congenital Heart Disease. <i>Genes</i> , 2021 , 12,	4.2	7
126	Protein kinase D1 variant associated with human epilepsy and peripheral nerve hypermyelination. <i>Clinical Genetics</i> , 2021 , 100, 176-186	4	1
125	Inflammatory hydrocephalus. <i>Childs Nervous System</i> , 2021 , 37, 3341-3353	1.7	1

124	Pre-operative headaches and obstructive hydrocephalus predict an extended length of stay following suboccipital decompression for pediatric Chiari I malformation. <i>Child's Nervous System</i> , 2021 , 37, 91-99	1.7	1
123	Dual activating FGFR1 mutations in pediatric pilomyxoid astrocytoma. <i>Molecular Genetics & Genomic Medicine</i> , 2021 , 9, e1597	2.3	1
122	Impact of Preoperative Anemia on Outcomes After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. <i>World Neurosurgery</i> , 2021 , 146, e214-e224	2.1	0
121	Genomics of human congenital hydrocephalus. <i>Child's Nervous System</i> , 2021 , 37, 3325-3340	1.7	2
120	Impact of race on outcomes and healthcare utilization following spinal fusion for adolescent idiopathic scoliosis. <i>Clinical Neurology and Neurosurgery</i> , 2021 , 206, 106634	2	0
119	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. <i>World Neurosurgery</i> , 2021 , 152, e23-e31	2.1	1
118	DIAPH1 Variants in Non-East Asian Patients With Sporadic Moyamoya Disease. <i>JAMA Neurology</i> , 2021 , 78, 993-1003	17.2	7
117	Genomic approaches to improve the clinical diagnosis and management of patients with congenital hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2021 , 1-10	2.1	0
116	Risk Factors Portending Extended Length of Stay After Suboccipital Decompression for Adult Chiari I Malformation. <i>World Neurosurgery</i> , 2020 , 138, e515-e522	2.1	1
115	Persistent mutation despite multimodal therapy in recurrent pediatric glioblastoma. <i>Npj Genomic Medicine</i> , 2020 , 5, 23	6.2	2
114	Inflammation in acquired hydrocephalus: pathogenic mechanisms and therapeutic targets. <i>Nature Reviews Neurology</i> , 2020 , 16, 285-296	15	44
113	Comparison of epidemiology, treatments, and outcomes in pediatric versus adult ependymoma. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa019	0.9	7
112	Novel EWSR1-VGLL1 fusion in a pediatric neuroepithelial neoplasm. <i>Clinical Genetics</i> , 2020 , 97, 791-792	4	4
111	Glymphatic System Impairment in Alzheimer's Disease and Idiopathic Normal Pressure Hydrocephalus. <i>Trends in Molecular Medicine</i> , 2020 , 26, 285-295	11.5	77
110	Preclinical insights into therapeutic targeting of KCC2 for disorders of neuronal hyperexcitability. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 24, 629-637	6.4	1
109	Targeting TLR4-dependent inflammation in post-hemorrhagic brain injury. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 24, 525-533	6.4	14
108	Risk Factors for the Development of Post-Traumatic Hydrocephalus in Children. <i>World Neurosurgery</i> , 2020 , 141, e105-e111	2.1	1
107	Geographic Variation in Outcomes and Costs After Spinal Fusion for Adolescent Idiopathic Scoliosis. <i>World Neurosurgery</i> , 2020 , 136, e347-e354	2.1	4

106	Modulation of brain cation-Cl cotransport via the SPAK kinase inhibitor ZT-1a. <i>Nature Communications</i> , 2020 , 11, 78	17.4	33
105	Exome sequencing implicates genetic disruption of prenatal neuro-gliogenesis in sporadic congenital hydrocephalus. <i>Nature Medicine</i> , 2020 , 26, 1754-1765	50.5	23
104	Exome Sequencing Implicates Impaired GABA Signaling and Neuronal Ion Transport in Trigeminal Neuralgia. <i>iScience</i> , 2020 , 23, 101552	6.1	10
103	Clinical and economic burden of neurofibromatosis type 2 in the United States. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 197, 106053	2	0
102	New drugs on the horizon for cerebral edema: what's in the clinical development pipeline?. <i>Expert Opinion on Investigational Drugs</i> , 2020 , 29, 1099-1105	5.9	5
101	SLC12A ion transporter mutations in sporadic and familial human congenital hydrocephalus. <i>Molecular Genetics & Genomic Medicine</i> , 2019 , 7, e892	2.3	14
100	Integrated K ⁺ channel and K ⁺ Cl ⁻ cotransporter functions are required for the coordination of size and proportion during development. <i>Developmental Biology</i> , 2019 , 456, 164-178	3.1	18
99	The WNK-SPAK/OSR1 Kinases and the Cation-Chloride Cotransporters as Therapeutic Targets for Neurological Diseases 2019 , 10, 626-636		22
98	HGG-01. ACQUISITION OF A HYPERMUTATOR PHENOTYPE UNDERLYING DISTANT SPINAL INTRAMEDULLARY SPREAD IN HISTONE-MUTATED DIFFUSE MIDLINE GLIOMA. <i>Neuro-Oncology</i> , 2019 , 21, ii86-ii86	1	78
97	Visualizing flow in an intact CSF network using optical coherence tomography: implications for human congenital hydrocephalus. <i>Scientific Reports</i> , 2019 , 9, 6196	4.9	14
96	Trim71/lin-41 Links an Ancient miRNA Pathway to Human Congenital Hydrocephalus. <i>Trends in Molecular Medicine</i> , 2019 , 25, 467-469	11.5	6
95	Teaching Neurolmages: Spinal subdural hematoma in pediatric nonaccidental trauma. <i>Neurology</i> , 2019 , 93, e522-e523	6.5	1
94	GemC1 is a critical switch for neural stem cell generation in the postnatal brain. <i>Glia</i> , 2019 , 67, 2360-2373		11
93	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. <i>Science Signaling</i> , 2019 , 12,	8.8	31
92	Impaired regulation of KCC2 phosphorylation leads to neuronal network dysfunction and neurodevelopmental pathology. <i>Science Signaling</i> , 2019 , 12,	8.8	27
91	Recessive Inheritance of Congenital Hydrocephalus With Other Structural Brain Abnormalities Caused by Compound Heterozygous Mutations in. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 425	6.1	7
90	Genomic alterations underlying spinal metastases in pediatric H3K27M-mutant pineal parenchymal tumor of intermediate differentiation: case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2019 , 1-10	2.1	8
89	EphrinB2-EphB4-RASA1 Signaling in Human Cerebrovascular Development and Disease. <i>Trends in Molecular Medicine</i> , 2019 , 25, 265-286	11.5	17

88	Teaching NeuroImages: Unilateral focal segmental hyperhidrosis from spinal tumor progression. <i>Neurology</i> , 2019 , 93, e729-e730	6.5	1
87	Identification of KCC2 Mutations in Human Epilepsy Suggests Strategies for Therapeutic Transporter Modulation. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 515	6.1	18
86	Mutations in Chromatin Modifier and Ephrin Signaling Genes in Vein of Galen Malformation. <i>Neuron</i> , 2019 , 101, 429-443.e4	13.9	33
85	Familial Trigeminal Neuralgia Cases Implicate Genetic Factors in Disease Pathogenesis. <i>JAMA Neurology</i> , 2019 , 76, 9-10	17.2	12
84	Non-syndromic single-suture craniosynostosis in triplets. <i>Child's Nervous System</i> , 2018 , 34, 1241-1245	1.7	1
83	Response to the BRAF/MEK inhibitors dabrafenib/trametinib in an adolescent with a BRAF V600E mutated anaplastic ganglioglioma intolerant to vemurafenib. <i>Pediatric Blood and Cancer</i> , 2018 , 65, e26969	2.9	24
82	Human genetics and molecular mechanisms of vein of Galen malformation. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 21, 367-374	2.1	14
81	Identification of a rare pathway mutation in a non-syndromic human brain arteriovenous malformation via exome sequencing. <i>Human Genome Variation</i> , 2018 , 5, 18001	1.8	6
80	De novo mutation in congenital scalp hemangioma. <i>Journal of Physical Education and Sports Management</i> , 2018 , 4,	2.8	4
79	Human Genetics and Molecular Mechanisms of Congenital Hydrocephalus. <i>World Neurosurgery</i> , 2018 , 119, 441-443	2.1	10
78	9p24 triplication in syndromic hydrocephalus with diffuse villous hyperplasia of the choroid plexus. <i>Journal of Physical Education and Sports Management</i> , 2018 , 4,	2.8	2
77	Characterization of the ventricular-subventricular stem cell niche during human brain development. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	20
76	The Subjective Experience of Patients Undergoing Shunt Surgery for Idiopathic Normal Pressure Hydrocephalus. <i>World Neurosurgery</i> , 2018 , 119, e46-e52	2.1	4
75	A novel association of campomelic dysplasia and hydrocephalus with an unbalanced chromosomal translocation upstream of. <i>Journal of Physical Education and Sports Management</i> , 2018 , 4,	2.8	2
74	De Novo Mutation in Genes Regulating Neural Stem Cell Fate in Human Congenital Hydrocephalus. <i>Neuron</i> , 2018 , 99, 302-314.e4	13.9	53
73	Deletion of the WNK3-SPAK kinase complex in mice improves radiographic and clinical outcomes in malignant cerebral edema after ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 550-563	7.3	22
72	Mystery Case: Acute hydrocephalus caused by radiographically occult fourth ventricular outlet obstruction. <i>Neurology</i> , 2017 , 88, e36-e37	6.5	5
71	WNK Kinase Signaling in Ion Homeostasis and Human Disease. <i>Cell Metabolism</i> , 2017 , 25, 285-299	24.6	114

70	Chloride Dysregulation, Seizures, and Cerebral Edema: A Relationship with Therapeutic Potential. <i>Trends in Neurosciences</i> , 2017 , 40, 276-294	13.3	46
69	Xp22.2 Chromosomal Duplication in Familial Intracranial Arachnoid Cyst. <i>JAMA Neurology</i> , 2017 , 74, 1503-1504	11.5	50
68	De novo mutations in inhibitors of Wnt, BMP, and Ras/ERK signaling pathways in non-syndromic midline craniosynostosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7341-E7347	17.4	44
67	GABA receptor dependent synaptic inhibition rapidly tunes KCC2 activity via the Cl-sensitive WNK1 kinase. <i>Nature Communications</i> , 2017 , 8, 1776	50.5	140
66	Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. <i>Nature Medicine</i> , 2017 , 23, 997-1003	6.4	11
65	Pharmacological targeting of SPAK kinase in disorders of impaired epithelial transport. <i>Expert Opinion on Therapeutic Targets</i> , 2017 , 21, 795-804	4.8	20
64	SOX2 immunity and tissue resident memory in children and young adults with glioma. <i>Journal of Neuro-Oncology</i> , 2017 , 134, 41-53	3.3	34
63	Perihematomal Edema Expansion Rates and Patient Outcomes in Deep and Lobar Intracerebral Hemorrhage. <i>Neurocritical Care</i> , 2017 , 26, 205-212	7.3	13
62	WNK-Cab39-NKCC1 signaling increases the susceptibility to ischemic brain damage in hypertensive rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2780-2794	4.1	9
61	Malignant Cerebellar Edema Subsequent to Accidental Prescription Opioid Intoxication in Children. <i>Frontiers in Neurology</i> , 2017 , 8, 362	2.2	2012
60	SOX2 as a target for immunotherapy of pediatric gliomas.. <i>Journal of Clinical Oncology</i> , 2017 , 35, e22012	4.8	21
59	Primary spinal myxopapillary ependymoma in the pediatric population: a study from the Surveillance, Epidemiology, and End Results (SEER) database. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 133-140	8.8	30
58	Inhibition of the kinase WNK1/HSN2 ameliorates neuropathic pain by restoring GABA inhibition. <i>Science Signaling</i> , 2016 , 9, ra32	4.2	34
57	Cerebrospinal fluid hypersecretion in pediatric hydrocephalus. <i>Neurosurgical Focus</i> , 2016 , 41, E10	4.9	27
56	Functional kinomics establishes a critical node of volume-sensitive cation-Cl cotransporter regulation in the mammalian brain. <i>Scientific Reports</i> , 2016 , 6, 35986	8.8	37
55	Peripheral motor neuropathy is associated with defective kinase regulation of the KCC3 cotransporter. <i>Science Signaling</i> , 2016 , 9, ra77	8.8	9
54	Leveraging unique structural characteristics of WNK kinases to achieve therapeutic inhibition. <i>Science Signaling</i> , 2016 , 9, e3	4.4	15
53	Treatment of Edema Associated With Intracerebral Hemorrhage. <i>Current Treatment Options in Neurology</i> , 2016 , 18, 9		

52	Kinase-KCC2 coupling: Cl ⁻ rheostasis, disease susceptibility, therapeutic target. <i>Journal of Neurophysiology</i> , 2016 , 115, 8-18	3.2	44
51	Gain-of-function missense variant in SLC12A2, encoding the bumetanide-sensitive NKCC1 cotransporter, identified in human schizophrenia. <i>Journal of Psychiatric Research</i> , 2016 , 77, 22-6	5.2	31
50	Hydrocephalus in children. <i>Lancet, The</i> , 2016 , 387, 788-99	4.0	272
49	Digenic mutations of human paralogs in Dent's disease type 2 associated with Chiari I malformation. <i>Human Genome Variation</i> , 2016 , 3, 16042	1.8	7
48	Functional genomics reveals that tumors with activating phosphoinositide 3-kinase mutations are dependent on accelerated protein turnover. <i>Genes and Development</i> , 2016 , 30, 2684-2695	12.6	7
47	The KCC2 Cotransporter and Human Epilepsy: Getting Excited About Inhibition. <i>Neuroscientist</i> , 2016 , 22, 555-562	7.6	40
46	K-Cl cotransporters, cell volume homeostasis, and neurological disease. <i>Trends in Molecular Medicine</i> , 2015 , 21, 513-23	11.5	82
45	WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. <i>Science Signaling</i> , 2015 , 8, ra65	8.8	72
44	Inhibition of WNK3 Kinase Signaling Reduces Brain Damage and Accelerates Neurological Recovery After Stroke. <i>Stroke</i> , 2015 , 46, 1956-1965	6.7	66
43	GABAergic disinhibition and impaired KCC2 cotransporter activity underlie tumor-associated epilepsy. <i>Glia</i> , 2015 , 63, 23-36	9	72
42	Regulated phosphorylation of the K-Cl cotransporter KCC3 is a molecular switch of intracellular potassium content and cell volume homeostasis. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 255	6.1	24
41	Regulatory domain or CpG site variation in SLC12A5, encoding the chloride transporter KCC2, in human autism and schizophrenia. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 386	6.1	62
40	Central nervous system lymphoma presenting as trigeminal neuralgia: A diagnostic challenge. <i>Journal of Clinical Neuroscience</i> , 2015 , 22, 1188-90	2.2	8
39	A novel method to study cerebrospinal fluid dynamics in rats. <i>Journal of Neuroscience Methods</i> , 2015 , 241, 78-84	3	30
38	WNK3-SPAK/OSR1-NKCC1 Signaling Pathway in Ischemic Brain Injury. <i>FASEB Journal</i> , 2015 , 29, 844.1	0.9	
37	The Phosphorylation State of KCC3 Encodes a Potent Molecular Switch of Transporter Activity, Cell Volume, and K ⁺ Content. <i>FASEB Journal</i> , 2015 , 29, 845.19	0.9	
36	WNK1-OSR1 kinase-mediated phospho-activation of Na ⁺ -K ⁺ -2Cl ⁻ cotransporter facilitates glioma migration. <i>Molecular Cancer</i> , 2014 , 13, 31	42.1	58
35	Genetically encoded impairment of neuronal KCC2 cotransporter function in human idiopathic generalized epilepsy. <i>EMBO Reports</i> , 2014 , 15, 766-74	6.5	123

34	Therapeutic restoration of spinal inhibition via druggable enhancement of potassium-chloride cotransporter KCC2-mediated chloride extrusion in peripheral neuropathic pain. <i>JAMA Neurology</i> , 2014 , 71, 640-5	17.2	33
33	Current view on the functional regulation of the neuronal K(+)-Cl(-) cotransporter KCC2. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 27	6.1	129
32	The WNK-regulated SPAK/OSR1 kinases directly phosphorylate and inhibit the K+-Cl- co-transporters. <i>Biochemical Journal</i> , 2014 , 458, 559-73	3.8	135
31	The WNK-SPAK/OSR1 pathway: master regulator of cation-chloride cotransporters. <i>Science Signaling</i> , 2014 , 7, re3	8.8	162
30	SPAK/OSR1 kinases directly phosphorylate the K+-Cl- co-transporters (1109.7). <i>FASEB Journal</i> , 2014 , 28, 1109.7	0.9	
29	Modulation of neuronal activity by phosphorylation of the K-Cl cotransporter KCC2. <i>Trends in Neurosciences</i> , 2013 , 36, 726-737	13.3	145
28	The SLC12 family of electroneutral cation-coupled chloride cotransporters. <i>Molecular Aspects of Medicine</i> , 2013 , 34, 288-98	16.7	93
27	Limitations of Current GABA Agonists in Neonatal Seizures: Toward GABA Modulation Via the Targeting of Neuronal Cl(-) Transport. <i>Frontiers in Neurology</i> , 2013 , 4, 78	4.1	22
26	The GABA excitatory/inhibitory shift in brain maturation and neurological disorders. <i>Neuroscientist</i> , 2012 , 18, 467-86	7.6	375
25	Inhibition of Na(+)-K(+)-2Cl(-) cotransporter isoform 1 accelerates temozolomide-mediated apoptosis in glioblastoma cancer cells. <i>Cellular Physiology and Biochemistry</i> , 2012 , 30, 33-48	3.9	43
24	Functional genomics to explore cancer cell vulnerabilities. <i>Neurosurgical Focus</i> , 2010 , 28, E5	4.2	4
23	Phosphoregulation of the Na-K-2Cl and K-Cl cotransporters by the WNK kinases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 1150-8	6.9	134
22	Molecular mechanisms of ischemic cerebral edema: role of electroneutral ion transport. <i>Physiology</i> , 2009 , 24, 257-65	9.8	152
21	Angiotensin II signaling increases activity of the renal Na-Cl cotransporter through a WNK4-SPAK-dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4384-9	11.5	200
20	Decreased seizure activity in a human neonate treated with bumetanide, an inhibitor of the Na(+)-K(+)-2Cl(-) cotransporter NKCC1. <i>Journal of Child Neurology</i> , 2009 , 24, 572-6	2.5	100
19	Molecular physiology of the WNK kinases. <i>Annual Review of Physiology</i> , 2008 , 70, 329-55	23.1	184
18	A novel protein kinase signaling pathway essential for blood pressure regulation in humans. <i>Trends in Endocrinology and Metabolism</i> , 2008 , 19, 91-5	8.8	33
17	Regulation of NKCC2 by a chloride-sensing mechanism involving the WNK3 and SPAK kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8458-63	11.5	174

16	Roles of the cation-chloride cotransporters in neurological disease. <i>Nature Clinical Practice Neurology</i> , 2008 , 4, 490-503		294
15	An SGK1 site in WNK4 regulates Na ⁺ channel and K ⁺ channel activity and has implications for aldosterone signaling and K ⁺ homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4025-9	11.5	131
14	WNK4 regulates activity of the epithelial Na ⁺ channel in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4020-4	11.5	106
13	WNK3 bypasses the tonicity requirement for K-Cl cotransporter activation via a phosphatase-dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1976-81	11.5	100
12	WNK protein kinases modulate cellular Cl ⁻ flux by altering the phosphorylation state of the Na-K-Cl and K-Cl cotransporters. <i>Physiology</i> , 2006 , 21, 326-35	9.8	98
11	Wnk4 controls blood pressure and potassium homeostasis via regulation of mass and activity of the distal convoluted tubule. <i>Nature Genetics</i> , 2006 , 38, 1124-32	36.3	298
10	Regulation of diverse ion transport pathways by WNK4 kinase: a novel molecular switch. <i>Trends in Endocrinology and Metabolism</i> , 2005 , 16, 98-103	8.8	60
9	WNK3 kinase is a positive regulator of NKCC2 and NCC, renal cation-Cl ⁻ cotransporters required for normal blood pressure homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16777-82	11.5	156
8	WNK3 modulates transport of Cl ⁻ in and out of cells: implications for control of cell volume and neuronal excitability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16783-8	11.5	178
7	Hypertension, Age, and Location Predict Rupture of Small Intracranial Aneurysms. <i>Neurosurgery</i> , 2005 , 57, 676-683	3.2	14
6	WNK4 regulates apical and basolateral Cl ⁻ flux in extrarenal epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2064-9	11.5	151
5	Paracellular Cl ⁻ permeability is regulated by WNK4 kinase: insight into normal physiology and hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14877-82	11.5	143
4	WNK kinases: molecular regulators of integrated epithelial ion transport. <i>Current Opinion in Nephrology and Hypertension</i> , 2004 , 13, 557-62	3.5	57
3	Molecular pathogenesis of inherited hypertension with hyperkalemia: the Na-Cl cotransporter is inhibited by wild-type but not mutant WNK4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 680-4	11.5	342
2	WNK1, a kinase mutated in inherited hypertension with hyperkalemia, localizes to diverse Cl ⁻ -transporting epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 663-8	11.5	120
1	WNK4 regulates the balance between renal NaCl reabsorption and K ⁺ secretion. <i>Nature Genetics</i> , 2003 , 35, 372-6	36.3	318