

# Eric Delpire

## List of Publications by Year in descending order

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194  
papers

11,475  
citations

28274

55  
h-index

31849

101  
g-index

197  
all docs

197  
docs citations

197  
times ranked

9139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of KCC2 in GABAergic Neurons Causes Seizures and an Imbalance of Cortical Interneurons. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 826427.	2.9	6
2	Porcine Choroid Plexus-Riems cell line demonstrates altered polarization of transport proteins in comparison to the native epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2022, , .	4.6	4
3	Mitochondria: an elegant means of partitioning and harnessing energy. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C463-C464.	4.6	2
4	Agmatine requires GluN2B-containing NMDA receptors to inhibit the development of neuropathic pain. <i>Molecular Pain</i> , 2021, 17, 174480692110291.	2.1	9
5	Phenobarbital, midazolam, bumetanide, and neonatal seizures: The devil is in the details. <i>Epilepsia</i> , 2021, 62, 935-940.	5.1	10
6	Advances in the development of novel compounds targeting cation-chloride cotransporter physiology. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C324-C340.	4.6	14
7	Locus coeruleus anchors a trisynaptic circuit controlling fear-induced suppression of feeding. <i>Neuron</i> , 2021, 109, 823-838.e6.	8.1	45
8	The Temporal Manipulation of KCC3 suggests irreversible of developmental deficit of HSMN/ACC. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
9	Temporal manipulation of KCC3 expression in juvenile or adult mice suggests irreversible developmental deficit in hereditary motor sensory neuropathy with agenesis of the corpus callosum. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C722-C730.	4.6	1
10	Inactivation of the basolateral Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> cotransporter, NKCC1, increases intestinal barrier permeability. <i>FASEB Journal</i> , 2021, 35, .	0.5	1
11	Protein kinase <i>DK1</i> variant associated with human epilepsy and peripheral nerve hypermyelination. <i>Clinical Genetics</i> , 2021, 100, 176-186.	2.0	1
12	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2195-2209.	6.1	31
13	Collagen IV $\alpha$ 3 dysfunction in glomerular basement membrane diseases. I. Discovery of a COL4A3 variant in familial Goodpasture <sup>TM</sup> s and Alport diseases. <i>Journal of Biological Chemistry</i> , 2021, 296, 100590.	3.4	19
14	Cannabinoid type 1 receptors in A2a neurons contribute to cocaine-environment association. <i>Psychopharmacology</i> , 2021, 238, 1121-1131.	3.1	5
15	Low Salt Delivery Triggers Autocrine Release of Prostaglandin E2 From the Aldosterone-Sensitive Distal Nephron in Familial Hyperkalemic Hypertension Mice. <i>Frontiers in Physiology</i> , 2021, 12, 787323.	2.8	4
16	<i>De novo</i> variants in <i>SLC12A6</i> cause sporadic early-onset progressive sensorimotor neuropathy. <i>Journal of Medical Genetics</i> , 2020, 57, 283-288.	3.2	14
17	Novel Human NKCC1 Mutations Cause Defects in Goblet Cell Mucus Secretion and Chronic Inflammation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 239-255.	4.5	19
18	Cryo-EM structures of <i>Dr</i> NKCC1 and hKCC1: a new milestone in the physiology of cation-chloride cotransporters. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C225-C237.	4.6	15

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19	SLC12A2 variants cause a neurodevelopmental disorder or cochleovestibular defect. <i>Brain</i> , 2020, 143, 2380-2387.	7.6	34
20	AMPA Receptor Auxiliary Subunit GSG1L Suppresses Short-Term Facilitation in Corticothalamic Synapses and Determines Seizure Susceptibility. <i>Cell Reports</i> , 2020, 32, 107921.	6.4	9
21	The Kainate Receptor Subunit GluK2 Interacts With KCC2 to Promote Maturation of Dendritic Spines. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 252.	3.7	13
22	Loss of non-canonical KCC 2 functions promotes developmental apoptosis of cortical projection neurons. <i>EMBO Reports</i> , 2020, 21, e48880.	4.5	15
23	Endoplasmic reticulum retention and degradation of a mutation in SLC6A1 associated with epilepsy and autism. <i>Molecular Brain</i> , 2020, 13, 76.	2.6	30
24	Stimulatory Role of SPAK Signaling in the Regulation of Large Conductance Ca <sup>2+</sup> -Activated Potassium (BK) Channel Protein Expression in Kidney. <i>Frontiers in Physiology</i> , 2020, 11, 638.	2.8	3
25	A mutation in the Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> cotransporter 1 leads to changes in cellular metabolism. <i>Journal of Cellular Physiology</i> , 2020, 235, 7239-7250.	4.1	5
26	Endocannabinoid Signaling Collapse Mediates Stress-Induced Amygdalo-Cortical Strengthening. <i>Neuron</i> , 2020, 105, 1062-1076.e6.	8.1	62
27	Sodium Transporters in Human Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 588664.	2.8	22
28	NKCC1: Newly Found as a Human Disease-Causing Ion Transporter. <i>Function</i> , 2020, 2, zqaa028.	2.3	29
29	Structures and an activation mechanism of human potassium-chloride cotransporters. <i>Science Advances</i> , 2020, 6, .	10.3	37
30	GABA interneurons are the cellular trigger for ketamine's rapid antidepressant actions. <i>Journal of Clinical Investigation</i> , 2020, 130, 1336-1349.	8.2	208
31	Osmotic Response of Dorsal Root Ganglion Neurons Expressing Wild-Type and Mutant KCC3 Transporters. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 577-590.	1.6	5
32	Na <sup>+</sup> -K <sup>+</sup> -2Cl <sup>-</sup> Cotransporter. <i>Physiology in Health and Disease</i> , 2020, , 25-55.	0.3	0
33	A Novel Genetically Defined Mouse Model of Hypertensive Nephropathy. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
34	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. <i>Science Signaling</i> , 2019, 12, .	3.6	55
35	Cryo-EM structures of the human cation-chloride cotransporter KCC1. <i>Science</i> , 2019, 366, 505-508.	12.6	61
36	<i>SLC12A</i> ion transporter mutations in sporadic and familial human congenital hydrocephalus. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e892.	1.2	22

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37	Sex-Dependent Modulation of Anxiety and Fear by 5-HT <sub>1A</sub> Receptors in the Bed Nucleus of the Stria Terminalis. ACS Chemical Neuroscience, 2019, 10, 3154-3166.	3.5	22
38	A missense mutation in SLC6A1 associated with Lennox-Gastaut syndrome impairs GABA transporter 1 protein trafficking and function. Experimental Neurology, 2019, 320, 112973.	4.1	37
39	A dileucine motif in the COOH-terminal domain of NKCC1 targets the cotransporter to the plasma membrane. American Journal of Physiology - Cell Physiology, 2019, 316, C545-C558.	4.6	7
40	Enhanced Social Dominance and Altered Neuronal Excitability in the Prefrontal Cortex of Male KCC2b Mutant Mice. Autism Research, 2019, 12, 732-743.	3.8	13
41	Functional Coupling of K <sup>+</sup> -Cl <sup>-</sup> Cotransporter (KCC) to GABA-Gated Cl <sup>-</sup> Channels in the Central Nervous System of Drosophila melanogaster Leads to Altered Drug Sensitivities. ACS Chemical Neuroscience, 2019, 10, 2765-2776.	3.5	4
42	Elusive role of the Na-K-2Cl cotransporter in the choroid plexus. American Journal of Physiology - Cell Physiology, 2019, 316, C522-C524.	4.6	15
43	Interpreting an apoptotic corpse as anti-inflammatory involves a chloride sensing pathway. Nature Cell Biology, 2019, 21, 1532-1543.	10.3	61
44	Agmatine preferentially antagonizes GluN2B-containing N-methyl-D-aspartate receptors in spinal cord. Journal of Neurophysiology, 2019, 121, 662-671.	1.8	9
45	A role for KCC3 in maintaining cell volume of peripheral nerve fibers. Neurochemistry International, 2019, 123, 114-124.	3.8	22
46	Paracrine Communication Links Sodium Chloride Cotransporter Activity in the Distal Convoluted Tubule to Remodeling of the Aldosterone-Sensitive Distal Nephron. FASEB Journal, 2019, 33, 862.32.	0.5	0
47	A truncation mutation in human SLC12A2 leads to abnormal goblet cell mucus secretion. FASEB Journal, 2019, 33, 824.10.	0.5	0
48	Mechanism of Hyperkalemia-Induced Metabolic Acidosis. Journal of the American Society of Nephrology: JASN, 2018, 29, 1411-1425.	6.1	66
49	Na <sup>+</sup> -K <sup>+</sup> -2Cl <sup>-</sup> Cotransporter (NKCC) Physiological Function in Nonpolarized Cells and Transporting Epithelia. , 2018, 8, 871-901.		52
50	AJP-Cell Physiology begins landmark reviews in cell physiology: an editorial from the senior editors of AJP-Cell Physiology. American Journal of Physiology - Cell Physiology, 2018, 314, C1-C2.	4.6	3
51	Water Homeostasis and Cell Volume Maintenance and Regulation. Current Topics in Membranes, 2018, 81, 3-52.	0.9	67
52	Genetic loss of GluN2B in D1-expressing cell types enhances long-term cocaine reward and potentiation of thalamo-accumbens synapses. Neuropsychopharmacology, 2018, 43, 2383-2389.	5.4	6
53	Mistargeting of a truncated Na-K-2Cl cotransporter in epithelial cells. American Journal of Physiology - Cell Physiology, 2018, 315, C258-C276.	4.6	19
54	A Novel Role for the Na <sup>+</sup> -K <sup>+</sup> -2Cl Cotransporter in Mitochondrial Respiration. FASEB Journal, 2018, 32, 750.35.	0.5	0

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55	Novel Mouse Model of a Human Mutation in NKCC1 Confirms its Mistargeting in Epithelia. <i>FASEB Journal</i> , 2018, 32, 747-14.	0.5	0
56	Regulated Dephosphorylation of NCC Shapes the Renal Potassium Switch Pathway. <i>FASEB Journal</i> , 2018, 32, 620-12.	0.5	0
57	Chronic intermittent alcohol disrupts the GluN2B-associated proteome and specifically regulates group I mGlu receptor-dependent long-term depression. <i>Addiction Biology</i> , 2017, 22, 275-290.	2.6	26
58	The KCC3 cotransporter as a therapeutic target for peripheral neuropathy. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 113-116.	3.4	13
59	WNK Kinase Signaling in Ion Homeostasis and Human Disease. <i>Cell Metabolism</i> , 2017, 25, 285-299.	16.2	160
60	The mysterious role of the neuronal anion exchanger $\beta$ . <i>Journal of Physiology</i> , 2017, 595, 601-602.	2.9	0
61	Chloride Dysregulation, Seizures, and Cerebral Edema: A Relationship with Therapeutic Potential. <i>Trends in Neurosciences</i> , 2017, 40, 276-294.	8.6	68
62	Constitutively Active SPAK Causes Hyperkalemia by Activating NCC and Remodeling Distal Tubules. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2597-2606.	6.1	108
63	Implications of the N-terminal heterogeneity for the neuronal K-Cl cotransporter KCC2 function. <i>Brain Research</i> , 2017, 1675, 87-101.	2.2	24
64	Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. <i>Nature Medicine</i> , 2017, 23, 997-1003.	30.7	256
65	Pharmacological targeting of SPAK kinase in disorders of impaired epithelial transport. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 795-804.	3.4	14
66	KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. <i>Neurobiology of Disease</i> , 2017, 106, 35-48.	4.4	8
67	Reduced ethanol drinking following selective cortical interneuron deletion of the GluN2B NMDA receptors subunit. <i>Alcohol</i> , 2017, 58, 47-51.	1.7	15
68	DNPEP is not the only peptidase that produces SPAK fragments in kidney. <i>Physiological Reports</i> , 2017, 5, e13479.	1.7	2
69	A patient with multisystem dysfunction carries a truncation mutation in human <i>SLC12A2</i> , the gene encoding the Na-K-2Cl cotransporter, NKCC1. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001289.	1.2	45
70	The Ste20 kinases SPAK and OSR1 travel between cells through exosomes. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C43-C53.	4.6	8
71	The KCC2 Cotransporter and Human Epilepsy. <i>Neuroscientist</i> , 2016, 22, 555-562.	3.5	56
72	KCC3 deficiency-induced disruption of paranodal loops and impairment of axonal excitability in the peripheral nervous system. <i>Neuroscience</i> , 2016, 335, 91-102.	2.3	3

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73	Challenges of Finding Novel Drugs Targeting the Cl <sup>-</sup> Cotransporter. ACS Chemical Neuroscience, 2016, 7, 1624-1627.	3.5	17
74	Peripheral motor neuropathy is associated with defective kinase regulation of the KCC3 cotransporter. Science Signaling, 2016, 9, ra77.	3.6	46
75	Hyperpolarization-independent maturation and refinement of GABA/glycinergic connections in the auditory brain stem. Journal of Neurophysiology, 2016, 115, 1170-1182.	1.8	9
76	STIM and Orai Proteins in Calcium Signaling: an AJP-Cell Physiology series of Themed Reviews. American Journal of Physiology - Cell Physiology, 2016, 310, C401-C401.	4.6	2
77	Kinase-KCC2 coupling: Cl <sup>-</sup> rheostasis, disease susceptibility, therapeutic target. Journal of Neurophysiology, 2016, 115, 8-18.	1.8	57
78	Research antibodies: do not use them to stain your reputation. American Journal of Physiology - Cell Physiology, 2015, 309, C707-C708.	4.6	7
79	The role of GluN2A and GluN2B NMDA receptor subunits in AgRP and POMC neurons on body weight and glucose homeostasis. Molecular Metabolism, 2015, 4, 678-691.	6.5	20
80	Identification of the WNK-SPAK/OSR1 Signaling Pathway in Rodent and Human Lenses. Investigative Ophthalmology and Visual Science, 2015, 56, 310-321.	3.3	5
81	K-Cl cotransporters, cell volume homeostasis, and neurological disease. Trends in Molecular Medicine, 2015, 21, 513-523.	6.7	102
82	Aldosterone modulates thiazide-sensitive sodium chloride cotransporter abundance via DUSP6-mediated ERK1/2 signaling pathway. American Journal of Physiology - Renal Physiology, 2015, 308, F1119-F1127.	2.7	9
83	SPAK-mediated NCC regulation in response to low-K <sup>+</sup> diet. American Journal of Physiology - Renal Physiology, 2015, 308, F923-F931.	2.7	53
84	Sphaeropsidin A shows promising activity against drug-resistant cancer cells by targeting regulatory volume increase. Cellular and Molecular Life Sciences, 2015, 72, 3731-3746.	5.4	38
85	Renal Transporter Activation During Angiotensin-II Hypertension is Blunted in Interferon- $\gamma$ and Interleukin-17A Mice. Hypertension, 2015, 65, 569-576.	2.7	166
86	Integrated compensatory network is activated in the absence of NCC phosphorylation. Journal of Clinical Investigation, 2015, 125, 2136-2150.	8.2	85
87	Computational Modeling Suggests a Mechanism of Inhibition of SPAK/OSR1 by a known RF x V Pocket Inhibitor. FASEB Journal, 2015, 29, 845.20.	0.5	0
88	Renal Angiotensin-Converting Enzyme Is Essential for the Hypertension Induced by Nitric Oxide Synthesis Inhibition. Journal of the American Society of Nephrology: JASN, 2014, 25, 2752-2763.	6.1	48
89	Short Forms of Ste20-related Proline/Alanine-rich Kinase (SPAK) in the Kidney Are Created by Aspartyl Aminopeptidase (Dnpep)-mediated Proteolytic Cleavage. Journal of Biological Chemistry, 2014, 289, 29273-29284.	3.4	17
90	How carbonic anhydrases and pH buffers facilitate the movement of carbon dioxide through biological membranes. Focus on Evidence from simultaneous intracellular- and surface-pH transients that carbonic anhydrase II enhances CO <sub>2</sub> fluxes across Xenopus oocyte plasma membranes, Evidence from simultaneous intracellular- and surface-pH transients that carbonic anhydrase IV enhances CO <sub>2</sub> fluxes across Xenopus oocyte plasma membranes, and Evidence from mathematical modeling that carbonic anhydrase II and IV enhance. American Journal of Physiology - Cell Physiology, 2014,	4.6	3

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91	Physiology and pathophysiology of SLC12A1/2 transporters. Pflugers Archiv European Journal of Physiology, 2014, 466, 91-105.	2.8	112
92	Sympathetic Stimulation of Thiazide-Sensitive Sodium Chloride Cotransport in the Generation of Salt-Sensitive Hypertension. Hypertension, 2014, 64, 178-184.	2.7	64
93	Syndrome of severe pain associated with a continuous bumetanide infusion. International Journal of Cardiology, 2014, 177, e61-e62.	1.7	6
94	Deletion of KCC3 in parvalbumin neurons leads to locomotor deficit in a conditional mouse model of peripheral neuropathy associated with agenesis of the corpus callosum. Behavioural Brain Research, 2014, 274, 128-136.	2.2	24
95	Novel determinants of the neuronal Cl <sup>-</sup> concentration. Journal of Physiology, 2014, 592, 4099-4114.	2.9	49
96	A Novel Ste20-related Proline/Alanine-rich Kinase (SPAK)-independent Pathway Involving Calcium-binding Protein 39 (Cab39) and Serine Threonine Kinase with No Lysine Member 4 (WNK4) in the Activation of Na-K-Cl Cotransporters. Journal of Biological Chemistry, 2014, 289, 17680-17688.	3.4	36
97	In silico analysis and experimental verification of OSR1 kinase " Peptide interaction. Journal of Structural Biology, 2014, 187, 58-65.	2.8	6
98	Kainate Receptors Coexist in a Functional Complex with KCC2 and Regulate Chloride Homeostasis in Hippocampal Neurons. Cell Reports, 2014, 7, 1762-1770.	6.4	87
99	GluN2B-containing NMDA receptors regulate depression-like behavior and are critical for the rapid antidepressant actions of ketamine. ELife, 2014, 3, e03581.	6.0	276
100	Physiology of SLC12 transporters: lessons from inherited human genetic mutations and genetically engineered mouse knockouts. American Journal of Physiology - Cell Physiology, 2013, 304, C693-C714.	4.6	134
101	SPAK Differentially Mediates Vasopressin Effects on Sodium Cotransporters. Journal of the American Society of Nephrology: JASN, 2013, 24, 407-418.	6.1	86
102	Neto2 is a KCC2 interacting protein required for neuronal Cl <sup>-</sup> regulation in hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3561-3566.	7.1	98
103	A Trafficking-Deficient Mutant of KCC3 Reveals Dominant-Negative Effects on K <sup>+</sup> Cl <sup>-</sup> Cotransport Function. PLoS ONE, 2013, 8, e61112.	2.5	21
104	Effects of sex and deletion of neuropeptide Y2 receptors from GABAergic neurons on affective and alcohol drinking behaviors in mice. Frontiers in Integrative Neuroscience, 2013, 7, 100.	2.1	28
105	The absence of intrarenal ACE protects against hypertension. Journal of Clinical Investigation, 2013, 123, 2011-2023.	8.2	176
106	STE20-like kinase SPAK differentially regulates Na <sup>+</sup> (K) <sup>+</sup> Cl <sup>-</sup> cotransporters along the distal nephron under the endocrine control of AVP. FASEB Journal, 2013, 27, 912.8.	0.5	0
107	Aldosterone enhances NCC protein expression via stimulating ERK1/2 phosphatase (DUSP6)-mediated reduction of NCC ubiquitination. FASEB Journal, 2013, 27, 911.15.	0.5	0
108	Cab39 modulates SPAK/OSR1 activation of NKCC1. FASEB Journal, 2013, 27, 732.4.	0.5	0

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109	Molecular and functional expression of cation-chloride cotransporters in dorsal root ganglion neurons during postnatal maturation. <i>Journal of Neurophysiology</i> , 2012, 108, 834-852.	1.8	75
110	Calcium-binding protein 39 facilitates molecular interaction between Ste20p proline alanine-rich kinase and oxidative stress response 1 monomers. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C1198-C1205.	4.6	26
111	GluN2B subunit deletion reveals key role in acute and chronic ethanol sensitivity of glutamate synapses in bed nucleus of the stria terminalis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E278-87.	7.1	89
112	Hyperphosphorylation of Na-K-2Cl Cotransporter in Thick Ascending Limbs of Dahl Salt-Sensitive Rats. <i>Hypertension</i> , 2012, 60, 1464-1470.	2.7	20
113	SPAK Isoforms and OSR1 Regulate Sodium-Chloride Co-transporters in a Nephron-specific Manner. <i>Journal of Biological Chemistry</i> , 2012, 287, 37673-37690.	3.4	110
114	Molecular Physiology of SPAK and OSR1: Two Ste20-Related Protein Kinases Regulating Ion Transport. <i>Physiological Reviews</i> , 2012, 92, 1577-1617.	28.8	108
115	KCC3-dependent chloride extrusion in adult sensory neurons. <i>Molecular and Cellular Neurosciences</i> , 2012, 50, 211-220.	2.2	20
116	Further optimization of the K-Cl cotransporter KCC2 antagonist ML077: Development of a highly selective and more potent in vitro probe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4532-4535.	2.2	78
117	$K^{+}$ cotransport mediates the bactericidal activity of neutrophils by regulating NADPH oxidase activation. <i>Journal of Physiology</i> , 2012, 590, 3231-3243.	2.9	24
118	Role of SPAK in Mediating Regulation of NCC in the Kidney in Response to Low K Diet. <i>FASEB Journal</i> , 2012, 26, 867.36.	0.5	0
119	Aldosterone modulates NCC involving MAPK ERK1/2 signaling pathway. <i>FASEB Journal</i> , 2012, 26, 867.40.	0.5	0
120	Evidence for $K^{+}$ Cl <sup>-</sup> cotransporter heterodimerization. <i>FASEB Journal</i> , 2012, 26, .	0.5	0
121	Novel KCC3 mouse models to study ACCPN, a degenerative neuropathy disorder. <i>FASEB Journal</i> , 2012, 26, 694.4.	0.5	0
122	Functional insights into the activation mechanism of Ste20-related kinases. <i>FASEB Journal</i> , 2012, 26, 694.5.	0.5	0
123	A SPAK Isoform Switch Modulates Renal Salt Transport and Blood Pressure. <i>Cell Metabolism</i> , 2011, 14, 352-364.	16.2	174
124	A Critical Role for GluN2B-Containing NMDA Receptors in Cortical Development and Function. <i>Neuron</i> , 2011, 72, 789-805.	8.1	153
125	Inhibition of KCC2 in Mouse Spinal Cord Neurons Leads to Hypersensitivity to Thermal Stimulation. <i>Anesthesia and Analgesia</i> , 2011, 113, 1509-1515.	2.2	30
126	Contribution of the potassium-chloride co-transporter KCC2 to the modulation of lumbar spinal networks in mice. <i>European Journal of Neuroscience</i> , 2011, 33, 1212-1222.	2.6	42



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127	NR2B-deficient mice are more sensitive to the locomotor stimulant and depressant effects of ethanol. <i>Genes, Brain and Behavior</i> , 2011, 10, 805-816.	2.2	23
128	Functional Insights into the Activation Mechanism of Ste20-related Kinases. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 1219-1230.	1.6	17
129	Kinetics of hyperosmotically stimulated Na-K-2Cl cotransporter in <i>Xenopus laevis</i> oocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1074-C1085.	4.6	21
130	SPAK isoforms differentially regulate renal sodium transport. <i>FASEB Journal</i> , 2011, 25, 1038.23.	0.5	1
131	Role of SPAK in short term activation of kidney electroneutral cation-Cl <sup>-</sup> cotransporters by vasopressin. <i>FASEB Journal</i> , 2011, 25, 1038.21.	0.5	0
132	Phosphorylation-dependent regulation of NCC is blunted in SPAK null mice (SPAK <sup>-/-</sup> ). <i>FASEB Journal</i> , 2011, 25, 1041.26.	0.5	1
133	Housing and husbandry of <i>Xenopus laevis</i> affect the quality of oocytes for heterologous expression studies. <i>Journal of the American Association for Laboratory Animal Science</i> , 2011, 50, 46-53.	1.2	20
134	Deficiency of electroneutral K <sup>+</sup> -Cl <sup>-</sup> cotransporter 3 causes a disruption in impulse propagation along peripheral nerves. <i>Glia</i> , 2010, 58, 1544-1552.	4.9	19
135	Kinase regulation of Na <sup>+</sup> -K <sup>+</sup> -2Cl <sup>-</sup> cotransport in primary afferent neurons. <i>Journal of Physiology</i> , 2010, 588, 3365-3373.	2.9	47
136	Molecular determinants of hyperosmotically activated NKCC1-mediated K <sup>+</sup> /K <sup>+</sup> exchange. <i>Journal of Physiology</i> , 2010, 588, 3385-3396.	2.9	18
137	Down-regulation of the potassium-chloride cotransporter KCC2 contributes to spasticity after spinal cord injury. <i>Nature Medicine</i> , 2010, 16, 302-307.	30.7	487
138	Multiple Pathways for Protein Phosphatase 1 (PP1) Regulation of Na-K-2Cl Cotransporter (NKCC1) Function. <i>Journal of Biological Chemistry</i> , 2010, 285, 14115-14121.	3.4	53
139	Phorbol 12-myristate 13-acetate-induced endocytosis of the Na-K-2Cl cotransporter in MDCK cells is associated with a clathrin-dependent pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C85-C97.	4.6	24
140	On the substrate recognition and negative regulation of SPAK, a kinase modulating Na <sup>+</sup> -K <sup>+</sup> -2Cl <sup>-</sup> cotransport activity. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C614-C620.	4.6	53
141	Multigene kinase network, kidney transport, and salt in essential hypertension. <i>Kidney International</i> , 2010, 77, 1063-1069.	5.2	69
142	Loss of GluN2B-Containing NMDA Receptors in CA1 Hippocampus and Cortex Impairs Long-Term Depression, Reduces Dendritic Spine Density, and Disrupts Learning. <i>Journal of Neuroscience</i> , 2010, 30, 4590-4600.	3.6	281
143	Behavioral analysis of Ste20 kinase SPAK knockout mice. <i>Behavioural Brain Research</i> , 2010, 208, 377-382.	2.2	25
144	Regulation of Cation-Chloride Cotransporters. , 2010, , 357-381.		0

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