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	NKCC1 transporter facilitates seizures in the developing brain. Nature Medicine, 2005, 11, 1205-1213.	30.7	861
2	Down-regulation of the potassium-chloride cotransporter KCC2 contributes to spasticity after spinal cord injury. Nature Medicine, 2010, 16, 302-307.	30.7	487
3	Deafness and imbalance associated with inactivation of the secretory Na-K-2Cl co-transporter. Nature Genetics, 1999, 22, 192-195.	21.4	365
4	Cation Chloride Cotransporters Interact with the Stress-related Kinases Ste20-related Proline-Alanine-rich Kinase (SPAK) and Oxidative Stress Response 1 (OSR1). Journal of Biological Chemistry, 2002, 277, 50812-50819.	3.4	337
5	Abnormal GABA_AReceptor-Mediated Currents in Dorsal Root Ganglion Neurons Isolated from Naâ€“Kâ€“2Cl Cotransporter Null Mice. Journal of Neuroscience, 2000, 20, 7531-7538.	3.6	312
6	Loss of GluN2B-Containing NMDA Receptors in CA1 Hippocampus and Cortex Impairs Long-Term Depression, Reduces Dendritic Spine Density, and Disrupts Learning. Journal of Neuroscience, 2010, 30, 4590-4600.	3.6	281
7	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
8	Hyperexcitability and epilepsy associated with disruption of the mouse neuronal-specific K-Cl cotransporter gene. Hippocampus, 2002, 12, 258-268.	1.9	274
9	Cloning and Characterization of KCC3 and KCC4, New Members of the Cation-Chloride Cotransporter Gene Family. Journal of Biological Chemistry, 1999, 274, 16355-16362.	3.4	261
10	Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. Nature Medicine, 2017, 23, 997-1003.	30.7	256
11	The Kâ€“Cl cotransporter KCC3 is mutant in a severe peripheral neuropathy associated with agenesis of the corpus callosum. Nature Genetics, 2002, 32, 384-392.	21.4	246
12	Volume sensitivity of cation-Cl^{â^'}cotransporters is modulated by the interaction of two kinases: Ste20-related proline-alanine-rich kinase and WNK4. American Journal of Physiology - Cell Physiology, 2006, 290, C134-C142.	4.6	238
13	Oligomerization of KCC2 Correlates with Development of Inhibitory Neurotransmission. Journal of Neuroscience, 2006, 26, 10407-10419.	3.6	223
14	GABA interneurons are the cellular trigger for ketamineâ€™s rapid antidepressant actions. Journal of Clinical Investigation, 2020, 130, 1336-1349.	8.2	208
15	Human and Murine Phenotypes Associated with Defects in Cation-Chloride Cotransport. Annual Review of Physiology, 2002, 64, 803-843.	13.1	198
16	Characterization of the Interaction of the Stress Kinase SPAK with the Na+-K+-2Clâ€“ Cotransporter in the Nervous System. Journal of Biological Chemistry, 2003, 278, 52848-52856.	3.4	188
17	SPAK and OSR1: STE20 kinases involved in the regulation of ion homoeostasis and volume control in mammalian cells. Biochemical Journal, 2008, 409, 321-331.	3.7	185
18	The absence of intrarenal ACE protects against hypertension. Journal of Clinical Investigation, 2013, 123, 2011-2023.	8.2	176

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19	A SPAK Isoform Switch Modulates Renal Salt Transport and Blood Pressure. Cell Metabolism, 2011, 14, 352-364.	16.2	174
20	Renal Transporter Activation During Angiotensin-II Hypertension is Blunted in Interferon-Î³ ^{â^'/â^'} and Interleukin-17A ^{â^'/â^'} Mice. Hypertension, 2015, 65, 569-576.	2.7	166
21	WNK Kinase Signaling in Ion Homeostasis and Human Disease. Cell Metabolism, 2017, 25, 285-299.	16.2	160
22	A Critical Role for GluN2B-Containing NMDA Receptors in Cortical Development and Function. Neuron, 2011, 72, 789-805.	8.1	153
23	Characterization of SPAK and OSR1, Regulatory Kinases of the Na-K-2Cl Cotransporter. Molecular and Cellular Biology, 2006, 26, 689-698.	2.3	145
24	Small-molecule screen identifies inhibitors of the neuronal K-Cl cotransporter KCC2. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5383-5388.	7.1	139
25	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
26	Cortical Neurons Lacking KCC2 Expression Show Impaired Regulation of Intracellular Chloride. Journal of Neurophysiology, 2005, 93, 1557-1568.	1.8	133
27	A Novel N-terminal Isoform of the Neuron-specific K-Cl Cotransporter KCC2. Journal of Biological Chemistry, 2007, 282, 30570-30576.	3.4	129
28	The mammalian family of sterile 20p-like protein kinases. Pflugers Archiv European Journal of Physiology, 2009, 458, 953-967.	2.8	114
29	Physiology and pathophysiology of SLC12A1/2 transporters. Pflugers Archiv European Journal of Physiology, 2014, 466, 91-105.	2.8	112
30	SPAK Isoforms and OSR1 Regulate Sodium-Chloride Co-transporters in a Nephron-specific Manner. Journal of Biological Chemistry, 2012, 287, 37673-37690.	3.4	110
31	Molecular Physiology of SPAK and OSR1: Two Ste20-Related Protein Kinases Regulating Ion Transport. Physiological Reviews, 2012, 92, 1577-1617.	28.8	108
32	Constitutively Active SPAK Causes Hyperkalemia by Activating NCC and Remodeling Distal Tubules. Journal of the American Society of Nephrology: JASN, 2017, 28, 2597-2606.	6.1	108
33	Functional demonstration of Na⁺-K⁺-2Cl^{â^'}cotransporter activity in isolated, polarized choroid plexus cells. American Journal of Physiology - Cell Physiology, 1998, 275, C1565-C1572.	4.6	106
34	K-Cl cotransporters, cell volume homeostasis, and neurological disease. Trends in Molecular Medicine, 2015, 21, 513-523.	6.7	102
35	Neto2 is a KCC2 interacting protein required for neuronal Cl ^{â^'} regulation in hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3561-3566.	7.1	98
36	Dependence of KCC2 K-Cl cotransporter activity on a conserved carboxy terminus tyrosine residue. American Journal of Physiology - Cell Physiology, 2000, 279, C860-C867.	4.6	97

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37	NKCC1 and KCC2 prevent hyperexcitability in the mouse hippocampus. Epilepsy Research, 2008, 79, 201-212.	1.6	90
38	GluN2B subunit deletion reveals key role in acute and chronic ethanol sensitivity of glutamate synapses in bed nucleus of the stria terminalis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E278-87.	7.1	89
39	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
40	SPAK Differentially Mediates Vasopressin Effects on Sodium Cotransporters. Journal of the American Society of Nephrology: JASN, 2013, 24, 407-418.	6.1	86
41	Integrated compensatory network is activated in the absence of NCC phosphorylation. Journal of Clinical Investigation, 2015, 125, 2136-2150.	8.2	85
42	NKCC1 Phosphorylation Stimulates Neurite Growth of Injured Adult Sensory Neurons. Journal of Neuroscience, 2007, 27, 6751-6759.	3.6	79
43	Partial cloning and characterization of Slc12a2: the gene encoding the secretory Na+-K+-2Clâ¯cotransporter. American Journal of Physiology - Cell Physiology, 1997, 273, C1267-C1277.	4.6	78
44	Further optimization of the K-Cl cotransporter KCC2 antagonist ML077: Development of a highly selective and more potent in vitro probe. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4532-4535.	2.2	78
45	Molecular and functional expression of cation-chloride cotransporters in dorsal root ganglion neurons during postnatal maturation. Journal of Neurophysiology, 2012, 108, 834-852.	1.8	75
46	WNK4 kinase is a negative regulator of K+-Clâ¯cotransporters. American Journal of Physiology - Renal Physiology, 2007, 292, F1197-F1207.	2.7	70
47	Axonal and periaxonal swelling precede peripheral neurodegeneration in KCC3 knockout mice. Neurobiology of Disease, 2007, 28, 39-51.	4.4	69
48	Multigene kinase network, kidney transport, and salt in essential hypertension. Kidney International, 2010, 77, 1063-1069.	5.2	69
49	Chloride Dysregulation, Seizures, and Cerebral Edema: A Relationship with Therapeutic Potential. Trends in Neurosciences, 2017, 40, 276-294.	8.6	68
50	NH2-terminal heterogeneity in the KCC3 K+-Clâ¯cotransporter. American Journal of Physiology - Renal Physiology, 2005, 289, F1246-F1261.	2.7	67
51	Water Homeostasis and Cell Volume Maintenance and Regulation. Current Topics in Membranes, 2018, 81, 3-52.	0.9	67
52	Mechanism of Hyperkalemia-Induced Metabolic Acidosis. Journal of the American Society of Nephrology: JASN, 2018, 29, 1411-1425.	6.1	66
53	Sympathetic Stimulation of Thiazide-Sensitive Sodium Chloride Cotransport in the Generation of Salt-Sensitive Hypertension. Hypertension, 2014, 64, 178-184.	2.7	64
54	Endocannabinoid Signaling Collapse Mediates Stress-Induced Amygdalo-Cortical Strengthening. Neuron, 2020, 105, 1062-1076.e6.	8.1	62

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55	The Ste20 Kinases Ste20-related Proline-Alanine-rich Kinase and Oxidative-stress Response 1 Regulate NKCC1 Function in Sensory Neurons. Journal of Biological Chemistry, 2009, 284, 14020-14028.	3.4	61
56	Cryo-EM structures of the human cation-chloride cotransporter KCC1. Science, 2019, 366, 505-508.	12.6	61
57	Interpreting an apoptotic corpse as anti-inflammatory involves a chloride sensing pathway. Nature Cell Biology, 2019, 21, 1532-1543.	10.3	61
58	A Single Binding Motif is Required for SPAK Activation of the Na-K-2Cl Cotransporter. Cellular Physiology and Biochemistry, 2007, 20, 131-142.	1.6	59
59	Genome-wide analysis of SPAK/OSR1 binding motifs. Physiological Genomics, 2007, 28, 223-231.	2.3	57
60	Kinase-KCC2 coupling: Cl^{â^'}rheostasis, disease susceptibility, therapeutic target. Journal of Neurophysiology, 2016, 115, 8-18.	1.8	57
61	The KCC2 Cotransporter and Human Epilepsy. Neuroscientist, 2016, 22, 555-562.	3.5	56
62	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. Science Signaling, 2019, 12, .	3.6	55
63	Histopathological analysis of renal cystic epithelia in thePkd2^{WS25/-}mouse model of ADPKD. American Journal of Physiology - Renal Physiology, 2003, 285, F870-F880.	2.7	54
64	Multiple Pathways for Protein Phosphatase 1 (PP1) Regulation of Na-K-2Cl Cotransporter (NKCC1) Function. Journal of Biological Chemistry, 2010, 285, 14115-14121.	3.4	53
65	On the substrate recognition and negative regulation of SPAK, a kinase modulating Na⁺-K⁺-2Cl^{â^'}cotransport activity. American Journal of Physiology - Cell Physiology, 2010, 299, C614-C620.	4.6	53
66	SPAK-mediated NCC regulation in response to low-K⁺ diet. American Journal of Physiology - Renal Physiology, 2015, 308, F923-F931.	2.7	53
67	Na⁺â€K⁺â€2Cl^{â^'}Cotransporter (NKCC) Physiological Function in Nonpolarized Cells and Transporting Epithelia. , 2018, 8, 871-901.		52
68	Apoptosis-associated tyrosine kinase scaffolding of protein phosphatase 1 and SPAK reveals a novel pathway for Na-K-2C1 cotransporter regulation. American Journal of Physiology - Cell Physiology, 2007, 292, C1809-C1815.	4.6	51
69	NKCC1 Does Not Accumulate Chloride in Developing Retinal Neurons. Journal of Neurophysiology, 2007, 98, 266-277.	1.8	50
70	Novel determinants of the neuronal Cl^{â^'} concentration. Journal of Physiology, 2014, 592, 4099-4114.	2.9	49
71	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
72	Kinase regulation of Na⁺-K⁺-2Cl^{â^'}cotransport in primary afferent neurons. Journal of Physiology, 2010, 588, 3365-3373.	2.9	47

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73	Peripheral motor neuropathy is associated with defective kinase regulation of the KCC3 cotransporter. Science Signaling, 2016, 9, ra77.	3.6	46
74	A patient with multisystem dysfunction carries a truncation mutation in human SLC12A2, the gene encoding the Na-K-2Cl cotransporter, NKCC1. Journal of Physical Education and Sports Management, 2016, 2, a001289.	1.2	45
75	Locus coeruleus anchors a trisynaptic circuit controlling fear-induced suppression of feeding. Neuron, 2021, 109, 823-838.e6.	8.1	45
76	Contribution of the potassium-chloride co-transporter KCC2 to the modulation of lumbar spinal networks in mice. European Journal of Neuroscience, 2011, 33, 1212-1222.	2.6	42
77	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
78	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
79	Structures and an activation mechanism of human potassium-chloride cotransporters. Science Advances, 2020, 6, .	10.3	37
80	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
81	Subtractive hybridization unravels a role for the ion cotransporter NKCC1 in the murine intestinal pacemaker. American Journal of Physiology - Renal Physiology, 2006, 290, G1219-G1227.	3.4	35
82	SLC12A2 variants cause a neurodevelopmental disorder or cochleovestibular defect. Brain, 2020, 143, 2380-2387.	7.6	34
83	K-Cl Cotransport: Immunohistochemical and Ion Flux Studies in Human Embryonic Kidney (HEK293) Cells Transfected with Full-Length and C-Terminal-Domain-Truncated KCC1 cDNAs. Cellular Physiology and Biochemistry, 2001, 11, 143-160.	1.6	32
84	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. Journal of the American Society of Nephrology: JASN, 2021, 32, 2195-2209.	6.1	31
85	Inhibition of KCC2 in Mouse Spinal Cord Neurons Leads to Hypersensitivity to Thermal Stimulation. Anesthesia and Analgesia, 2011, 113, 1509-1515.	2.2	30
86	Endoplasmic reticulum retention and degradation of a mutation in SLC6A1 associated with epilepsy and autism. Molecular Brain, 2020, 13, 76.	2.6	30
87	NKCC1: Newly Found as a Human Disease-Causing Ion Transporter. Function, 2020, 2, zqaa028.	2.3	29
88	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
89	Calcium-binding protein 39 facilitates molecular interaction between Ste20p proline alanine-rich kinase and oxidative stress response 1 monomers. American Journal of Physiology - Cell Physiology, 2012, 303, C1198-C1205.	4.6	26
90	Chronic intermittent alcohol disrupts the GluN2Bâ€associated proteome and specifically regulates group I mGlu receptorâ€dependent longâ€term depression. Addiction Biology, 2017, 22, 275-290.	2.6	26

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91	Behavioral analysis of Ste20 kinase SPAK knockout mice. Behavioural Brain Research, 2010, 208, 377-382.	2.2	25
92	Phorbol 12-myristate 13-acetate-induced endocytosis of the Na-K-2Cl cotransporter in MDCK cells is associated with a clathrin-dependent pathway. American Journal of Physiology - Cell Physiology, 2010, 298, C85-C97.	4.6	24
93	K⁺â€“Cl^{â^'} cotransport mediates the bactericidal activity of neutrophils by regulating NADPH oxidase activation. Journal of Physiology, 2012, 590, 3231-3243.	2.9	24
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	Implications of the N-terminal heterogeneity for the neuronal K-Cl cotransporter KCC2 function. Brain Research, 2017, 1675, 87-101.	2.2	24
96	NR2B-deficient mice are more sensitive to the locomotor stimulant and depressant effects of ethanol. Genes, Brain and Behavior, 2011, 10, 805-816.	2.2	23
97	SLC12A ion transporter mutations in sporadic and familial human congenital hydrocephalus. Molecular Genetics & Genomic Medicine, 2019, 7, e892.	1.2	22
98	Sex-Dependent Modulation of Anxiety and Fear by 5-HT_{1A} Receptors in the Bed Nucleus of the Stria Terminalis. ACS Chemical Neuroscience, 2019, 10, 3154-3166.	3.5	22
99	A role for KCC3 in maintaining cell volume of peripheral nerve fibers. Neurochemistry International, 2019, 123, 114-124.	3.8	22
100	Sodium Transporters in Human Health and Disease. Frontiers in Physiology, 2020, 11, 588664.	2.8	22
101	Kinetics of hyperosmotically stimulated Na-K-2Cl cotransporter in Xenopus laevis oocytes. American Journal of Physiology - Cell Physiology, 2011, 301, C1074-C1085.	4.6	21
102	A Trafficking-Deficient Mutant of KCC3 Reveals Dominant-Negative Effects on Kâ€“Cl Cotransport Function. PLoS ONE, 2013, 8, e61112.	2.5	21
103	Hyperphosphorylation of Na-K-2Cl Cotransporter in Thick Ascending Limbs of Dahl Salt-Sensitive Rats. Hypertension, 2012, 60, 1464-1470.	2.7	20
104	KCC3-dependent chloride extrusion in adult sensory neurons. Molecular and Cellular Neurosciences, 2012, 50, 211-220.	2.2	20
105	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
106	Housing and husbandry of Xenopus laevis affect the quality of oocytes for heterologous expression studies. Journal of the American Association for Laboratory Animal Science, 2011, 50, 46-53.	1.2	20
107	Deficiency of electroneutral K⁺â€“Cl^{â^'} cotransporter 3 causes a disruption in impulse propagation along peripheral nerves. Glia, 2010, 58, 1544-1552.	4.9	19
108	Mistargeting of a truncated Na-K-2Cl cotransporter in epithelial cells. American Journal of Physiology - Cell Physiology, 2018, 315, C258-C276.	4.6	19

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109	Novel Human NKCC1 Mutations Cause Defects in Goblet Cell Mucus Secretion and Chronic Inflammation. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 239-255.	4.5	19
110	Collagen IVÎ±345 dysfunction in glomerular basement membrane diseases. I. Discovery of a COL4A3 variant in familial Goodpastureâ€™s and Alport diseases. Journal of Biological Chemistry, 2021, 296, 100590.	3.4	19
111	Hypertension in K-Cl Cotransporter-3 Knockout Mice. , 2004, 559, 379-385.		18
112	Molecular determinants of hyperosmotically activated NKCC1-mediated K⁺/K⁺exchange. Journal of Physiology, 2010, 588, 3385-3396.	2.9	18
113	Functional Insights into the Activation Mechanism of Ste20-related Kinases. Cellular Physiology and Biochemistry, 2011, 28, 1219-1230.	1.6	17
114	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
115	Challenges of Finding Novel Drugs Targeting the Kâ€“Cl Cotransporter. ACS Chemical Neuroscience, 2016, 7, 1624-1627.	3.5	17
116	Reduced ethanol drinking following selective cortical interneuron deletion of the GluN2B NMDA receptors subunit. Alcohol, 2017, 58, 47-51.	1.7	15
117	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
118	Cryo-EM structures ofDrNKCC1 and hKCC1: a new milestone in the physiology of cation-chloride cotransporters. American Journal of Physiology - Cell Physiology, 2020, 318, C225-C237.	4.6	15
119	Loss of nonâ€canonical KCC 2 functions promotes developmental apoptosis of cortical projection neurons. EMBO Reports, 2020, 21, e48880.	4.5	15
120	Pharmacological targeting of SPAK kinase in disorders of impaired epithelial transport. Expert Opinion on Therapeutic Targets, 2017, 21, 795-804.	3.4	14
121	De novo variants in SLC12A6 cause sporadic early-onset progressive sensorimotor neuropathy. Journal of Medical Genetics, 2020, 57, 283-288.	3.2	14
122	Advances in the development of novel compounds targeting cation-chloride cotransporter physiology. American Journal of Physiology - Cell Physiology, 2021, 320, C324-C340.	4.6	14
123	The KCC3 cotransporter as a therapeutic target for peripheral neuropathy. Expert Opinion on Therapeutic Targets, 2017, 21, 113-116.	3.4	13
124	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
125	The Kainate Receptor Subunit GluK2 Interacts With KCC2 to Promote Maturation of Dendritic Spines. Frontiers in Cellular Neuroscience, 2020, 14, 252.	3.7	13
126	Phenobarbital, midazolam, bumetanide, and neonatal seizures: The devil is in the details. Epilepsia, 2021, 62, 935-940.	5.1	10

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127	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
128	Hyperpolarization-independent maturation and refinement of GABA/glycinergic connections in the auditory brain stem. Journal of Neurophysiology, 2016, 115, 1170-1182.	1.8	9
129	Agmatine preferentially antagonizes GluN2B-containingN-methyl-<scp>d</scp>-aspartate receptors in spinal cord. Journal of Neurophysiology, 2019, 121, 662-671.	1.8	9
130	AMPA Receptor Auxiliary Subunit GSG1L Suppresses Short-Term Facilitation in Corticothalamic Synapses and Determines Seizure Susceptibility. Cell Reports, 2020, 32, 107921.	6.4	9
131	Agmatine requires GluN2B-containing NMDA receptors to inhibit the development of neuropathic pain. Molecular Pain, 2021, 17, 174480692110291.	2.1	9
132	KCC3a, a Strong Candidate Pathway for K+ Loss in Alkalemia. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	9
133	The Ste20 kinases SPAK and OSR1 travel between cells through exosomes. American Journal of Physiology - Cell Physiology, 2016, 311, C43-C53.	4.6	8
134	KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. Neurobiology of Disease, 2017, 106, 35-48.	4.4	8
135	Research antibodies: do not use them to stain your reputation. American Journal of Physiology - Cell Physiology, 2015, 309, C707-C708.	4.6	7
136	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
137	Selective increase in gastric mucosal mRNA encoding basolateral Na-K-2Cl cotransporter following ileostomy in the rat,. Journal of Gastrointestinal Surgery, 1998, 2, 238-243.	1.7	6
138	Syndrome of severe pain associated with a continuous bumetanide infusion. International Journal of Cardiology, 2014, 177, e61-e62.	1.7	6
139	In silico analysis and experimental verification of OSR1 kinase â€“ Peptide interaction. Journal of Structural Biology, 2014, 187, 58-65.	2.8	6
140	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
141	Loss of KCC2 in GABAergic Neurons Causes Seizures and an Imbalance of Cortical Interneurons. Frontiers in Molecular Neuroscience, 2022, 15, 826427.	2.9	6
142	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
143	A mutation in the Naâ€Kâ€2Cl cotransporterâ€1 leads to changes in cellular metabolism. Journal of Cellular Physiology, 2020, 235, 7239-7250.	4.1	5
144	Cannabinoid type 1 receptors in A2a neurons contribute to cocaine-environment association. Psychopharmacology, 2021, 238, 1121-1131.	3.1	5

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145	Osmotic Response of Dorsal Root Ganglion Neurons Expressing Wild-Type and Mutant KCC3 Transporters. Cellular Physiology and Biochemistry, 2020, 54, 577-590.	1.6	5
146	Functional Coupling of K+â€“Clâ€“ Cotransporter (KCC) to GABA-Gated Clâ€“ Channels in the Central Nervous System of Drosophila melanogaster Leads to Altered Drug Sensitivities. ACS Chemical Neuroscience, 2019, 10, 2765-2776.	3.5	4
147	Low Salt Delivery Triggers Autocrine Release of Prostaglandin E2 From the Aldosterone-Sensitive Distal Nephron in Familial Hyperkalemic Hypertension Mice. Frontiers in Physiology, 2021, 12, 787323.	2.8	4
148	Porcine Choroid Plexus-Riems cell line demonstrates altered polarization of transport proteins in comparison to the native epithelium. American Journal of Physiology - Cell Physiology, 2022, , .	4.6	4
149	How carbonic anhydrase and pH buffers facilitate the movement of carbon dioxide through biological membranes. Focus on â€œEvidence from simultaneous intracellular- and surface-pH transients that carbonic anhydrase II enhances CO2 fluxes across Xenopus oocyte plasma membranesâ€; â€œEvidence from simultaneous intracellular- and surface-pH transients that carbonic anhydrase IV enhances CO2 fluxes across Xenopus oocyte plasma membranesâ€; and â€œEvidence from mathematical modeling that carbonic anhydrase II and IV enh. American Journal of Physiology - Cell Physiology, 2014,	4.6	3
150	KCC3 deficiency-induced disruption of paranodal loops and impairment of axonal excitability in the peripheral nervous system. Neuroscience, 2016, 335, 91-102.	2.3	3
151	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
152	Stimulatory Role of SPAK Signaling in the Regulation of Large Conductance Ca2+-Activated Potassium (BK) Channel Protein Expression in Kidney. Frontiers in Physiology, 2020, 11, 638.	2.8	3
153	Discovery of Small Molecule KCC2 Potentiators Which Attenuate In Vitro Seizure-Like Activity in Cultured Neurons. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	3
154	STE20 Kinases and Cation-Chloride Cotransporters. , 2004, 559, 43-53.		2
155	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
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157	Mitochondria: an elegant means of partitioning and harnessing energy. American Journal of Physiology - Cell Physiology, 2021, 320, C463-C464.	4.6	2
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