Kathleen J Sweadner

List of Publications by Year
in descending order

39 papers	2,751 citations	218677 26 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	2557 citing authors

#	Article	IF	Citations
1	Mutations in the Na+/K+-ATPase Î±3 Gene ATP1A3 Are Associated with Rapid-Onset Dystonia Parkinsonism. Neuron, 2004, 43, 169-175.	8.1	466
2	The FXYD Gene Family of Small Ion Transport Regulators or Channels: cDNA Sequence, Protein Signature Sequence, and Expression. Genomics, 2000, 68, 41-56.	2.9	382
3	Distinct neurological disorders with ATP1A3 mutations. Lancet Neurology, The, 2014, 13, 503-514.	10.2	206
4	Structural similarities of Na,K-ATPase and SERCA, the Ca2+-ATPase of the sarcoplasmic reticulum. Biochemical Journal, 2001, 356, 685-704.	3.7	180
5	Multiple tubulin forms are expressed by a single neurone. Nature, 1981, 294, 477-480.	27.8	142
6	Structural similarities of Na,K-ATPase and SERCA, the Ca2+-ATPase of the sarcoplasmic reticulum. Biochemical Journal, 2001, 356, 685.	3.7	116
7	Novel mutations in ATP1A3 associated with catastrophic early life epilepsy, episodic prolonged apnea, and postnatal microcephaly. Epilepsia, 2015, 56, 422-430.	5.1	107
8	Cellular and Subcellular Specification of Na,K-ATPase Î± and Î²2 Isoforms in the Postnatal Development of Mouse Retina. Journal of Neuroscience, 1999, 19, 9878-9889.	3.6	101
9	Phospholemman, a Single-Span Membrane Protein, Is an Accessory Protein of Na,K-ATPase in Cerebellum and Choroid Plexus. Journal of Neuroscience, 2003, 23, 2161-2169.	3.6	96
10	FXYD Proteins Reverse Inhibition of the Na+-K+ Pump Mediated by Glutathionylation of Its Î²1 Subunit. Journal of Biological Chemistry, 2011, 286, 18562-18572.	3.4	79
11	Na,K-ATPase from Mice Lacking the Î³ Subunit (FXYD2) Exhibits Altered Na+ Affinity and Decreased Thermal Stability. Journal of Biological Chemistry, 2005, 280, 19003-19011.	3.4	77
12	Distribution and oligomeric association of splice forms of Na⁺-K⁺-ATPase regulatory Î³-subunit in rat kidney. American Journal of Physiology - Renal Physiology, 2002, 282, F393-F407.	2.7	73
13	Carbachol inhibits Na⁺-K⁺-ATPase activity in choroid plexus via stimulation of the NO/cGMP pathway. American Journal of Physiology - Cell Physiology, 2000, 279, C1685-C1693.	4.6	72
14	Hypertrophy, increased ejection fraction, and reduced Na-K-ATPase activity in phospholemman-deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1982-H1988.	3.2	66
15	FXYD Proteins as Regulators of the Na,Kâ€ATPase in the Kidney. Annals of the New York Academy of Sciences, 2003, 986, 382-387.	3.8	45
16	Genomic Organization of the Human FXYD2 Gene Encoding the Î³ Subunit of the Na,K-ATPase. Biochemical and Biophysical Research Communications, 2000, 279, 196-201.	2.1	44
17	Predicted location and limited accessibility of protein kinase A phosphorylation site on Na-K-ATPase. American Journal of Physiology - Cell Physiology, 2001, 280, C1017-C1026.	4.6	41
18	Rapid-onset dystonia-parkinsonism associated with the I758S mutation of the ATP1A3 gene: a neuropathologic and neuroanatomical study of four siblings. Acta Neuropathologica, 2014, 128, 81-98.	7.7	37

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19	ATP1A3 Mutation in Adult Rapid-Onset Ataxia. PLoS ONE, 2016, 11, e0151429.	2.5	34
20	Revising rapidâ€onset dystoniaâ€“parkinsonism: Broadening indications for ATP1A3 testing. Movement Disorders, 2019, 34, 1528-1536.	3.9	34
21	Genotype-structure-phenotype relationships diverge in paralogs ATP1A1 , ATP1A2 , and ATP1A3. Neurology: Genetics, 2019, 5, e303.	1.9	33
22	Oxidative inhibition of the vascular Na+-K+ pump via NADPH oxidase-dependent Î²1-subunit glutathionylation: Implications for angiotensin II-induced vascular dysfunction. Free Radical Biology and Medicine, 2013, 65, 563-572.	2.9	31
23	Factors in the disease severity of ATP1A3 mutations: Impairment, misfolding, and allele competition. Neurobiology of Disease, 2019, 132, 104577.	4.4	31
24	Oligodendrocytes in brain and optic nerve express the ?3 subunit isoform of Na,K-ATPase. Glia, 2000, 31, 206-218.	4.9	30
25	Phosphorylation of Na,K-ATPase by Protein Kinases. Annals of the New York Academy of Sciences, 1997, 834, 479-488.	3.8	29
26	Phospholemman expression in extraglomerular mesangium and afferent arteriole of the juxtaglomerular apparatus. American Journal of Physiology - Renal Physiology, 2003, 285, F121-F129.	2.7	28
27	Hyperplasia of Pancreatic Beta Cells and Improved Glucose Tolerance in Mice Deficient in the FXYD2 Subunit of Na,K-ATPase. Journal of Biological Chemistry, 2013, 288, 7077-7085.	3.4	28
28	Rat skeletal muscle in culture expresses the ?1 but not the ?2 protein subunit isoform of the Na+/K+ pump. Journal of Cellular Physiology, 1999, 180, 236-244.	4.1	25
29	A dystonia-like movement disorder with brain and spinal neuronal defects is caused by mutation of the mouse laminin Î²1 subunit, Lamb1. ELife, 2015, 4, .	6.0	21
30	Constraints on Models for the Folding of the Na,K-ATPase. Annals of the New York Academy of Sciences, 1992, 671, 217-227.	3.8	20
31	Epitope and mimotope for an antibody to the Na, Kâ€ATPase. Protein Science, 1997, 6, 1537-1548.	7.6	18
32	Misfolding, altered membrane distributions, and the unfolded protein response contribute to pathogenicity differences in Na,K-ATPase ATP1A3 mutations. Journal of Biological Chemistry, 2021, 296, 100019.	3.4	15
33	De novo ATP1A3 and compound heterozygous NLRP3 mutations in a child with autism spectrum disorder, episodic fatigue and somnolence, and muckle-wells syndrome. Molecular Genetics and Metabolism Reports, 2018, 16, 23-29.	1.1	12
34	Impaired AQP2 trafficking in Fxyd1 knockout mice: A role for FXYD1 in regulated vesicular transport. PLoS ONE, 2017, 12, e0188006.	2.5	11
35	Paradoxical activation of the sodium chloride cotransporter (NCC) without hypertension in kidney deficient in a regulatory subunit of Na,K-ATPase, FXYD2. Physiological Reports, 2014, 2, e12226.	1.7	8
36	An ion-transport enzyme that rocks. Nature, 2017, 545, 162-164.	27.8	5

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37	Colorimetric Assays of Na,K-ATPase. Methods in Molecular Biology, 2016, 1377, 89-104.	0.9	4
38	Rapid-Onset Dystonia-Parkinsonism Phenotype Consistency for a Novel Variant of ATP1A3 in Patients Across 3 Global Populations. Neurology: Genetics, 2021, 7, e562.	1.9	2
39	Functional Studies of Na+,K+-ATPase Using Transfected Cell Cultures. Methods in Molecular Biology, 2016, 1377, 321-332.	0.9	2