

John A Payne

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

6,341
citations

361413

20
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

3875
citing authors

#	ARTICLE	IF	CITATIONS
1	The K ⁺ /Cl ⁻ co-transporter KCC2 renders GABA hyperpolarizing during neuronal maturation. <i>Nature</i> , 1999, 397, 251-255.	27.8	1,892
2	Cation-chloride co-transporters in neuronal communication, development and trauma. <i>Trends in Neurosciences</i> , 2003, 26, 199-206.	8.6	739
3	Cation-chloride cotransporters in neuronal development, plasticity and disease. <i>Nature Reviews Neuroscience</i> , 2014, 15, 637-654.	10.2	589
4	Molecular Characterization of a Putative K-Cl Cotransporter in Rat Brain. <i>Journal of Biological Chemistry</i> , 1996, 271, 16245-16252.	3.4	479
5	Mechanism of Activity-Dependent Downregulation of the Neuron-Specific K-Cl Cotransporter KCC2. <i>Journal of Neuroscience</i> , 2004, 24, 4683-4691.	3.6	446
6	Functional characterization of the neuronal-specific K-Cl cotransporter: implications for [K ⁺] _o regulation. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 273, C1516-C1525.	4.6	356
7	Molecular Cloning and Functional Expression of the K-Cl Cotransporter from Rabbit, Rat, and Human. <i>Journal of Biological Chemistry</i> , 1996, 271, 16237-16244.	3.4	339
8	Direct Protein Kinase C-dependent Phosphorylation Regulates the Cell Surface Stability and Activity of the Potassium Chloride Cotransporter KCC2. <i>Journal of Biological Chemistry</i> , 2007, 282, 29777-29784.	3.4	272
9	Primary Structure, Functional Expression, and Chromosomal Localization of the Bumetanide-sensitive Na-K-Cl Cotransporter in Human Colon. <i>Journal of Biological Chemistry</i> , 1995, 270, 17977-17985.	3.4	229
10	The Neuron-specific K-Cl Cotransporter, KCC2. <i>Journal of Biological Chemistry</i> , 1999, 274, 12656-12664.	3.4	210
11	Evidence That Different Cation Chloride Cotransporters in Retinal Neurons Allow Opposite Responses to GABA. <i>Journal of Neuroscience</i> , 2000, 20, 7657-7663.	3.6	171
12	Comparison of Na-K-Cl Cotransporters. <i>Journal of Biological Chemistry</i> , 1998, 273, 11295-11301.	3.4	118
13	Localization and Developmental Expression Patterns of the Neuronal K ⁺ Cl ⁻ Cotransporter (KCC2) in the Rat Retina. <i>Journal of Neuroscience</i> , 2000, 20, 1414-1423.	3.6	113
14	Molecular characterization of the epithelial Na ⁺ -K ⁺ -Cl ⁻ cotransporter isoforms. <i>Current Opinion in Cell Biology</i> , 1995, 7, 493-503.	5.4	112
15	Inflammation alters cation chloride cotransporter expression in sensory neurons. <i>Neurobiology of Disease</i> , 2004, 17, 62-69.	4.4	66
16	Cation transport by the neuronal K ⁺ -Cl ⁻ cotransporter KCC2: thermodynamics and kinetics of alternate transport modes. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C919-C931.	4.6	52
17	Molecular Operation of the Cation Chloride Cotransporters. <i>Current Topics in Membranes</i> , 2012, 70, 215-237.	0.9	33
18	Enhanced expression of potassium-chloride cotransporter KCC2 in human temporal lobe epilepsy. <i>Brain Structure and Function</i> , 2016, 221, 3601-3615.	2.3	32

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19	Comment on "Local impermeant anions establish the neuronal chloride concentration", Science, 2014, 345, 1130-1130.	12.6	27
20	K ⁺ -Cl ⁻ cotransporter-2 KCC2 in chicken cardiomyocytes. American Journal of Physiology - Cell Physiology, 2012, 303, C1180-C1191.	4.6	21
21	Protection of ischemic myocardium in diabetics by inhibition of electroneutral Na ⁺ -K ⁺ -2Cl ⁻ cotransporter. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H515-H522.	3.2	17
22	Endogenous and exogenous Na-K-Cl cotransporter expression in a low K-resistant mutant MDCK cell line. American Journal of Physiology - Cell Physiology, 2001, 280, C1607-C1615.	4.6	11
23	Expression of the basolateral Na ⁺ -K ⁺ -Cl cotransporter during mouse nephrogenesis and embryonic development. Gene Expression Patterns, 2006, 6, 1000-1006.	0.8	9
24	Effects of essential amino acid deficiency: downregulation of KCC2 and the GABA _A receptor; disinhibition in the anterior piriform cortex. Journal of Neurochemistry, 2013, 127, 520-530.	3.9	4
25	The Potassium-Chloride Cotransporters. , 2010, , 333-356.		3
26	Involvement of direct phosphorylation in the regulation of the neuronal K ⁺ -Cl cotransporter KCC2. FASEB Journal, 2007, 21, A531.	0.5	1
27	Characterization of antibodies recognizing a putative extracellular epitope of the neuronal K ⁺ -Cl cotransporter, KCC2. FASEB Journal, 2007, 21, A532.	0.5	0
28	Segmental expression of H,K-ATPase ⁺ , KCC3, KCC4, and DRA in mouse distal colon is upregulated by dietary Na ⁺ restriction. FASEB Journal, 2010, 24, 1014.5.	0.5	0