John Orlowski

List of Publications by Year
in descending order

57	6,519	126907	155660
papers	citations	33 h-index	55 g-index

57	57	57	6747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sleep and daytime behavior in individuals with Christianson Syndrome. Sleep Medicine, 2022, 89, 55-59.	1.6	2
2	Roles of Endomembrane Alkali Cation/Proton Exchangers in Synaptic Function and Neurodevelopmental Disorders. Frontiers in Physiology, 2022, 13, 892196.	2.8	1
3	Structural basis of autoinhibition of the human NHE3-CHP1 complex. Science Advances, 2022, 8, .	10.3	11
4	Structure and mechanism of the human NHE1-CHP1 complex. Nature Communications, 2021, 12, 3474.	12.8	45
5	Loss of SLC9A6/NHE6 impairs nociception in a mouse model of Christianson syndrome. Pain, 2020, 161, 2619-2628.	4.2	10
6	Assorted dysfunctions of endosomal alkali cation/proton exchanger SLC9A6 variants linked to Christianson syndrome. Journal of Biological Chemistry, 2020, 295, 7075-7095.	3.4	13
7	Paxillin S273 Phosphorylation Regulates Adhesion Dynamics and Cell Migration through a Common Protein Complex with PAK1 and Î²PIX. Scientific Reports, 2019, 9, 11430.	3.3	16
8	A Christianson syndrome-linked deletion mutation (Î”287ES288) in SLC9A6 impairs hippocampal neuronal plasticity. Neurobiology of Disease, 2019, 130, 104490.	4.4	12
9	A recurrent missense variant inSLC9A7causes nonsyndromic X-linked intellectual disability with alteration of Golgi acidification and aberrant glycosylation. Human Molecular Genetics, 2019, 28, 598-614.	2.9	25
10	A potential gain-of-function variant of SLC9A6 leads to endosomal alkalinization and neuronal atrophy associated with Christianson Syndrome. Neurobiology of Disease, 2019, 121, 187-204.	4.4	21
11	SMAD5 signaling: more than meets the nuclei. Cell Research, 2017, 27, 1075-1076.	12.0	7
12	George Ralph Mines (1886â€“1914): the dawn of cardiac nonlinear dynamics. Journal of Physiology, 2016, 594, 2361-2371.	2.9	3
13	Historical note on the untimely passing of George Ralph Mines. Journal of Physiology, 2016, 594, 2373-2373.	2.9	0
14	A Christianson syndrome-linked deletion mutation (âˆ†287ES288) in SLC9A6 disrupts recycling endosomal function and elicits neurodegeneration and cell death. Molecular Neurodegeneration, 2016, 11, 63.	10.8	22
15	Determinants of Cation Permeation and Drug Sensitivity in Predicted Transmembrane Helix 9 and Adjoining Exofacial Re-entrant Loop 5 of Na+/H+ Exchanger NHE1. Journal of Biological Chemistry, 2015, 290, 18173-18186.	3.4	9
16	Impaired posttranslational processing and trafficking of an endosomal Na+/H+ exchanger NHE6 mutant (Î”370WST372) associated with X-linked intellectual disability and autism. Neurochemistry International, 2014, 73, 192-203.	3.8	19
17	Enhanced Recruitment of Endosomal Na+/H+ Exchanger NHE6 into Dendritic Spines of Hippocampal Pyramidal Neurons during NMDA Receptor-Dependent Long-Term Potentiation. Journal of Neuroscience, 2013, 33, 595-610.	3.6	41
18	CHP1-Mediated NHE1 Biosynthetic Maturation Is Required for Purkinje Cell Axon Homeostasis. Journal of Neuroscience, 2013, 33, 12656-12669.	3.6	28

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19	Ezrin Is Required for the Functional Regulation of the Epithelial Sodium Proton Exchanger, NHE3. PLoS ONE, 2013, 8, e55623.	2.5	20
20	N-Myristoylation and Ca2+ Binding of Calcineurin B Homologous Protein CHP3 Are Required to Enhance Na+/H+ Exchanger NHE1 Half-life and Activity at the Plasma Membrane. Journal of Biological Chemistry, 2012, 287, 36883-36895.	3.4	20
21	Structure-Activity Analysis of Niclosamide Reveals Potential Role for Cytoplasmic pH in Control of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. Journal of Biological Chemistry, 2012, 287, 17530-17545.	3.4	141
22	Na⁺/H⁺Exchangers. , 2011, 1, 2083-2100.		93
23	Sensors and regulators of intracellular pH. Nature Reviews Molecular Cell Biology, 2010, 11, 50-61.	37.0	1,790
24	Î²Pix Up-regulates Na+/H+ Exchanger 3 through a Shank2-mediated Protein-Protein Interaction. Journal of Biological Chemistry, 2010, 285, 8104-8113.	3.4	20
25	Na⁺/H⁺exchange and pH regulation in the control of neutrophil chemokinesis and chemotaxis. American Journal of Physiology - Cell Physiology, 2008, 294, C526-C534.	4.6	46
26	Calcineurin B Homologous Protein 3 Promotes the Biosynthetic Maturation, Cell Surface Stability, and Optimal Transport of the Na+/H+ Exchanger NHE1 Isoform. Journal of Biological Chemistry, 2008, 283, 12456-12467.	3.4	47
27	Emerging roles of alkali cation/proton exchangers in organellar homeostasis. Current Opinion in Cell Biology, 2007, 19, 483-492.	5.4	99
28	Â-Arrestins bind and decrease cell-surface abundance of the Na+/H+ exchanger NHE5 isoform. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2790-2795.	7.1	38
29	Secretory carrier membrane proteins interact and regulate trafficking of the organellar (Na+,K+)/H+ exchanger NHE7. Journal of Cell Science, 2005, 118, 1885-1897.	2.0	59
30	Diversity of the mammalian sodium/proton exchanger SLC9 gene family. Pflugers Archiv European Journal of Physiology, 2004, 447, 549-565.	2.8	566
31	Clathrin-mediated Endocytosis and Recycling of the Neuron-specific Na+/H+ Exchanger NHE5 Isoform. Journal of Biological Chemistry, 2002, 277, 42623-42632.	3.4	55
32	Modulation of Na⁺/H⁺exchange activity by Cl^{â^'}. American Journal of Physiology - Cell Physiology, 2001, 281, C133-C141.	4.6	33
33	Role of the Cytoskeleton in Mediating cAMP-dependent Protein Kinase Inhibition of the Epithelial Na+/H+ Exchanger NHE3. Journal of Biological Chemistry, 2001, 276, 40761-40768.	3.4	54
34	Identification of Sites in the Second Exomembrane Loop and Ninth Transmembrane Helix of the Mammalian Na+/H+ Exchanger Important for Drug Recognition and Cation Translocation. Journal of Biological Chemistry, 2001, 276, 43792-43800.	3.4	46
35	Molecular Cloning and Characterization of a Novel (Na+,K+)/H+ Exchanger Localized to the trans-Golgi Network. Journal of Biological Chemistry, 2001, 276, 17387-17394.	3.4	219
36	Regulation of the Epithelial Na⁺ /H⁺ Exchanger Isoform by the Cytoskeleton. Cellular Physiology and Biochemistry, 2000, 10, 265-272.	1.6	54

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37	Kinetic and Pharmacological Properties of Human Brain Na+/H+ Exchanger Isoform 5 Stably Expressed in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 2000, 275, 6302-6307.	3.4	61
38	Intracellular Ph Regulation by Na+/H+ Exchange Requires Phosphatidylinositol 4,5-Bisphosphate. Journal of Cell Biology, 2000, 150, 213-224.	5.2	185
39	RhoA and Rho Kinase Regulate the Epithelial Na+/H+ Exchanger NHE3. Journal of Biological Chemistry, 2000, 275, 28599-28606.	3.4	62
40	Direct Binding of the Naâ€“H Exchanger NHE1 to ERM Proteins Regulates the Cortical Cytoskeleton and Cell Shape Independently of H+ Translocation. Molecular Cell, 2000, 6, 1425-1436.	9.7	376
41	Subcellular localization of the Na⁺/H⁺exchanger NHE1 in rat myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H709-H717.	3.2	55
42	The Epithelial Na+/H+ Exchanger, NHE3, Is Internalized through a Clathrin-mediated Pathway. Journal of Biological Chemistry, 1999, 274, 37551-37558.	3.4	94
43	The Apical Na+/H+ Exchanger Isoform NHE3 Is Regulated by the Actin Cytoskeleton. Journal of Biological Chemistry, 1999, 274, 29843-29849.	3.4	106
44	Proline-rich Motifs of the Na+/H+Exchanger 2 Isoform. Journal of Biological Chemistry, 1999, 274, 10481-10488.	3.4	25
45	Molecular Cloning, Genomic Organization, and Functional Expression of Na+/H+ Exchanger Isoform 5 (NHE5) from Human Brain. Journal of Biological Chemistry, 1999, 274, 4377-4382.	3.4	131
46	Na+/H+ Exchangers: Molecular Diversity and Relevance to Heart. Annals of the New York Academy of Sciences, 1999, 874, 346-353.	3.8	11
47	Contributions of Na+/H+ exchanger isoforms to preimplantation development of the mouse. Molecular Reproduction and Development, 1998, 50, 146-153.	2.0	50
48	The Epithelial Sodium-Hydrogen Antiporter Na+/H+ Exchanger 3 Accumulates and Is Functional in Recycling Endosomes. Journal of Biological Chemistry, 1998, 273, 2035-2043.	3.4	190
49	Identification of a Mitochondrial Na+/H+Exchanger. Journal of Biological Chemistry, 1998, 273, 6951-6959.	3.4	234
50	Endosomal Recycling of the Na+/H+Exchanger NHE3 Isoform Is Regulated by the Phosphatidylinositol 3-Kinase Pathway. Journal of Biological Chemistry, 1998, 273, 20828-20836.	3.4	147
51	Topological analysis of NHE1, the ubiquitous Na⁺/H⁺exchanger using chymotryptic cleavage. American Journal of Physiology - Cell Physiology, 1998, 275, C431-C439.	4.6	69
52	Identification of Sites Required for Down-regulation of Na+/H+ Exchanger NHE3 Activity by cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 1997, 272, 28672-28679.	3.4	139
53	Na+/H+ Exchangers of Mammalian Cells. Journal of Biological Chemistry, 1997, 272, 22373-22376.	3.4	524
54	Genomic Organization and Glucocorticoid Transcriptional Activation of the Rat Na+/H+ Exchanger Nhe3 Gene. Journal of Biological Chemistry, 1996, 271, 10551-10559.	3.4	78

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55	Delineation of Transmembrane Domains of the Na+/H+ Exchanger That Confer Sensitivity to Pharmacological Antagonists. Journal of Biological Chemistry, 1996, 271, 19922-19927.	3.4	87
56	Distinct Structural Domains Confer cAMP Sensitivity and ATP Dependence to the Na+/H+ Exchanger NHE3 Isoform. Journal of Biological Chemistry, 1996, 271, 3590-3599.	3.4	77
57	Molecular cloning and physical and genetic mapping of a novel human Na+/H+ exchanger (NHE5/SLC9A5) to chromosome 16q22.1. Genomics, 1995, 25, 615-622.	2.9	133