List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sodium/Calcium Exchange: Its Physiological Implications. Physiological Reviews, 1999, 79, 763-854.	28.8	1,551
2	A circulating inhibitor of (Na+ + K+) ATPase associated with essential hypertension. Nature, 1982, 300, 650-652.	27.8	585
3	The interrelationship between sodium and calcium fluxes across cell membranes. , 1974, 70, 33-82.		534
4	Salt-sensitive hypertension is triggered by Ca2+ entry via Na+/Ca2+ exchanger type-1 in vascular smooth muscle. Nature Medicine, 2004, 10, 1193-1199.	30.7	252
5	How NaCl raises blood pressure: a new paradigm for the pathogenesis of salt-dependent hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1031-H1049.	3.2	216
6	Na <sup>+</sup> /Ca <sup>2+</sup> exchange and Na <sup>+</sup> /K <sup>+</sup> â€ATPase in the heart. Journal of Physiology, 2015, 593, 1361-1382.	2.9	160
7	Sodium pump α2 subunits control myogenic tone and blood pressure in mice. Journal of Physiology, 2005, 569, 243-256.	2.9	154
8	Basis of Tetrodotoxin's Selectivity in Blockage of Squid Axons. Journal of General Physiology, 1967, 50, 1401-1411.	1.9	132
9	The Pump, the Exchanger, and Endogenous Ouabain. Hypertension, 2009, 53, 291-298.	2.7	124
10	Ouabain augments Ca <sup>2+</sup> transients in arterial smooth muscle without raising cytosolic Na <sup>+</sup> . American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H679-H691.	3.2	120
11	How does salt retention raise blood pressure?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R514-R523.	1.8	118
12	Plasma Membrane-Cytoskeleton-Endoplasmic Reticulum Complexes in Neurons and Astrocytes. Journal of Biological Chemistry, 2004, 279, 2885-2893.	3.4	115
13	Na <sup>+</sup> entry via store-operated channels modulates Ca <sup>2+</sup> signaling in arterial myocytes. American Journal of Physiology - Cell Physiology, 2000, 278, C163-C173.	4.6	110
14	Na <sup>+</sup> pump α <sub>2</sub> -subunit expression modulates Ca <sup>2+</sup> signaling. American Journal of Physiology - Cell Physiology, 2003, 284, C475-C486.	4.6	110
15	Distinct Distribution of Different Na+Pump ? Subunit Isoforms in Plasmalemma Annals of the New York Academy of Sciences, 1997, 834, 524-536.	3.8	104
16	Local subplasma membrane Ca2+ signals detected by a tethered Ca2+ sensor. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13232-13237.	7.1	86
17	Localization of the Na+-Ca2+ Exchanger in Vascular Smooth Muscle, and in Neurons and Astrocytesa. Annals of the New York Academy of Sciences, 1996, 779, 318-335.	3.8	84
18	Location of calcium transporters at presynaptic terminals. European Journal of Neuroscience, 2000, 12, 839-846.	2.6	78

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19	Modulation of two functionally distinct Ca2+ stores in astrocytes: Role of the plasmalemmal Na/Ca exchanger. Glia, 1996, 16, 296-305.	4.9	77
20	Unloading and refilling of two classes of spatially resolved endoplasmic reticulum Ca2+ stores in astrocytes. Glia, 2000, 31, 15-28.	4.9	77
21	Na+/Ca2+ Exchange Inhibitors: A New Class of Calcium Regulators. Cardiovascular & Hematological Disorders Drug Targets, 2007, 7, 188-198.	0.7	76
22	Knockout of Na <sup>+</sup> /Ca <sup>2+</sup> exchanger in smooth muscle attenuates vasoconstriction and L-type Ca <sup>2+</sup> channel current and lowers blood pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1472-H1483.	3.2	71
23	Upregulation of Na+ and Ca2+ transporters in arterial smooth muscle from ouabain-induced hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H263-H274.	3.2	69
24	ATP-dependent calcium storage in presynaptic nerve terminals. Nature, 1977, 265, 246-248.	27.8	66
25	Heterogeneity of mitochondrial matrix free Ca <sup>2+</sup> : resolution of Ca <sup>2+</sup> dynamics in individual mitochondria in situ. American Journal of Physiology - Cell Physiology, 1999, 276, C1193-C1204.	4.6	64
26	Signaling mechanisms that link salt retention to hypertension: Endogenous ouabain, the Na+ pump, the Na+/Ca2+ exchanger and TRPC proteins. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 1219-1229.	3.8	60
27	Endogenous Ouabain. Hypertension, 2016, 68, 526-532.	2.7	58
28	Synaptic vesicle recycling in synaptosomes in vitro. Nature, 1976, 261, 255-256.	27.8	56
29	An N-terminal Sequence Targets and Tethers Na+ Pump α2 Subunits to Specialized Plasma Membrane Microdomains. Journal of Biological Chemistry, 2006, 281, 12929-12940.	3.4	53
30	Pivotal role of α2 Na <sup>+</sup> pumps and their high affinity ouabain binding site in cardiovascular health and disease. Journal of Physiology, 2016, 594, 6079-6103.	2.9	50
31	Ouabain, endogenous ouabain and ouabain-like factors: The Na+ pump/ouabain receptor, its linkage to NCX, and its myriad functions. Cell Calcium, 2020, 86, 102159.	2.4	47
32	Ouabain–digoxin antagonism in rat arteries and neurones. Journal of Physiology, 2014, 592, 941-969.	2.9	43
33	TTX-sensitive voltage-gated Na+ channels are expressed in mesenteric artery smooth muscle cells. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H137-H145.	3.2	41
34	The pump, the exchanger, and the holy spirit: origins and 40-year evolution of ideas about the ouabain-Na <sup>+</sup> pump endocrine system. American Journal of Physiology - Cell Physiology, 2018, 314, C3-C26.	4.6	41
35	Increased arterial smooth muscle Ca <sup>2+</sup> signaling, vasoconstriction, and myogenic reactivity in Milan hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H611-H620.	3.2	37
36	Calcium Buffering and Free Ca2+in Rat Brain Synaptosomes. Journal of Neurochemistry, 1993, 60, 843-850	3.9	36

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37	Salt sensitivity, endogenous ouabain and hypertension. Current Opinion in Nephrology and Hypertension, 2012, 22, 1.	2.0	36
38	Evolution of our understanding of cell volume regulation by the pump-leak mechanism. Journal of General Physiology, 2019, 151, 407-416.	1.9	35
39	Why isn't endogenous ouabain more widely accepted?. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H635-H639.	3.2	34
40	Neuroendocrine Humoral and Vascular Components in the Pressor Pathway for Brain Angiotensin II: A New Axis in Long Term Blood Pressure Control. PLoS ONE, 2014, 9, e108916.	2.5	31
41	Organization of Ca2+ Stores in Vascular Smooth Muscle: Functional Implications. Novartis Foundation Symposium, 2008, , 125-141.	1.1	30
42	Update on angiotensin II: new endocrine connections between the brain, adrenal glands and the cardiovascular system. Endocrine Connections, 2017, 6, R131-R145.	1.9	30
43	Low-dose ouabain constricts small arteries from ouabain-hypertensive rats: implications for sustained elevation of vascular resistance. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1140-H1150.	3.2	28
44	Nanomolar ouabain increases NCX1 expression and enhances Ca <sup>2+</sup> signaling in human arterial myocytes: a mechanism that links salt to increased vascular resistance?. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H784-H794.	3.2	27
45	Nanomolar ouabain augments Ca <sup>2+</sup> signalling in rat hippocampal neurones and glia. Journal of Physiology, 2013, 591, 1671-1689.	2.9	27
46	Sex, Digitalis, and the Sodium Pump. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2003, 3, 68-72.	3.4	27
47	Cross Talk Between Plasma Membrane Na+/Ca2+ Exchanger-1 and TRPC/Orai-Containing Channels: Key Players in Arterial Hypertension. Advances in Experimental Medicine and Biology, 2013, 961, 365-374.	1.6	26
48	Commentary: What is the Link Between Vascular Smooth Muscle Sodium Pumps and Hypertension?. Clinical and Experimental Hypertension, 1981, 3, 173-178.	1.3	25
49	Chronic ouabain treatment induces vasa recta endothelial dysfunction in the rat. American Journal of Physiology - Renal Physiology, 2009, 296, F98-F106.	2.7	23
50	In vivo assessment of artery smooth muscle [Ca <sup>2+</sup> ] <sub>i</sub> and MLCK activation in FRET-based biosensor mice. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H946-H956.	3.2	23
51	Central and peripheral slow-pressor mechanisms contributing to Angiotensin II-salt hypertension in rats. Cardiovascular Research, 2018, 114, 233-246.	3.8	20
52	Local Sodium, Global Reach. Circulation Research, 2007, 101, 959-961.	4.5	17
53	How does pressure overload cause cardiac hypertrophy and dysfunction? High-ouabain affinity cardiac Na <sup>+</sup> pumps are crucial. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H919-H930.	3.2	16
54	Organization of Ca2+ stores in vascular smooth muscle: functional implications. Novartis Foundation Symposium, 2002, 246, 125-37; discussion 137-41, 221-7.	1.1	15

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55	Getting a grip on calcium regulation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18349-18350.	7.1	11
56	Arterial α <sub>2</sub> -Na <sup>+</sup> pump expression influences blood pressure: lessons from novel, genetically engineered smooth muscle-specific α <sub>2</sub> mice. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H958-H968.	3.2	11
57	Letter to the Editor concerning Baecher et al. (Clin Chim Acta 2014;431:87–92). Clinica Chimica Acta, 2015, 448, 248-249.	1.1	10
58	NO-induced vasodilation correlates directly with BP in smooth muscle-Na/Ca exchanger-1-engineered mice: elevated BP does not attenuate endothelial function. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H221-H237.	3.2	10
59	Na <sup>+</sup> /Ca <sup>2+</sup> exchanger overexpression in smooth muscle augments cytosolic Ca <sup>2+</sup> in femoral arteries of living mice. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H298-H310.	3.2	9
60	Attenuated renal vascular responses to acute angiotensin II infusion in smooth muscle-specific Na+/Ca2+ exchanger knockout mice. American Journal of Physiology - Renal Physiology, 2011, 301, F574-F579.	2.7	8
61	Multipurpose Na+ ions mediate excitation and cellular homeostasis: Evolution of the concept of Na+ pumps and Na+/Ca2+ exchangers. Cell Calcium, 2020, 87, 102166.	2.4	8
62	Modulation of two functionally distinct Ca2 stores in astrocytes: Role of the plasmalemmal Na/Ca exchanger. Glia, 1996, 16, 296-305.	4.9	6
63	How Does the Brain Talk to the Arteries and Heart?. FASEB Journal, 2015, 29, 984.3.	0.5	6
64	Livin' with NCX and Lovin' It: A 45 Year Romance. Advances in Experimental Medicine and Biology, 2013, 961, 3-15.	1.6	5
65	Why publish in the <i>American Journal of Physiology-Heart and Circulatory Physiology</i> ?. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H221-H223.	3.2	4
66	Abstract 400: Angiotensin II Triggers the Same Pressor Mechanisms in Salt-sensitive Hypertension and During Salt Depletion. Hypertension, 2013, 62, .	2.7	3
67	Reply to "Letter to the editor: â€`Why isn't clinical experience with ouabain more widely accepted?'― American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1264-H1265.	3.2	2
68	Reply to "Letter to the editor: Comments on Blaustein (2018): †The pump, the exchanger, and the holy spirit: origins and 40-year evolution of ideas about the ouabain-Na <sup>+</sup> pump endocrine system'― American Journal of Physiology - Cell Physiology, 2018, 314, C641-C642.	4.6	2
69	Essential contributions of the α2-Na <sup>+</sup> /K <sup>+</sup> -ATPase ouabain binding site to cardiac remodeling. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1117-H1118.	3.2	2
70	Unloading and refilling of two classes of spatially resolved endoplasmic reticulum Ca2+ stores in astrocytes. , 0, .		1
71	It was the best of times $\hat{a} \in \hat{a}$ a postdoctoral experience in the UK in the 1960s. , 2016, , 32-35.		1
72	On the mechanism of myogenic tone in small arteries. Journal of Muscle Research and Cell Motility, 2004, 25, 615.	2.0	1

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73	Cardiovascular Effects of Chronic Intermittent Hypoxia in Mice. FASEB Journal, 2006, 20, .	0.5	0
74	Relationship between Na pump alphaâ€₂ subunit, Na/Ca exchanger and ankyrin B expression at plasma membrane–endoplasmic reticulum (PMâ€ER) junctions. FASEB Journal, 2007, 21, A534.	0.5	0
75	Renal Vascular Responses Are Attenuated in Smooth Muscleâ€Specific Na+/Ca2+ Exchanger Knockout Mice during Acute Angiotensin II Infusions. FASEB Journal, 2010, 24, 1059.19.	0.5	0
76	Sorting of α2 and α3 Na + Pumps in Glia and Neurons: Linkage with Na/Ca Exchangerâ€1. FASEB Journal, 2010, 24, 607.6.	0.5	0