Takahiro Iwamoto

List of Publications by Year
in descending order

53	2,144	331670 21	243625 44
papers	citations	h-index	g-index

55	55	55	1937
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acceptance of Murine Islet Allografts Without Immunosuppression in Inguinal Subcutaneous White Adipose Tissue Pretreated With bFGF. Diabetes, 2022, 71, 1721-1734.	0.6	4
2	Na ⁺ /Ca ²⁺ exchanger mediates cold Ca ²⁺ signaling conserved for temperature-compensated circadian rhythms. Science Advances, 2021, 7, .	10.3	17
3	Lymphangiogenesis and angiogenesis rescue murine ischemic hindlimb via transient receptor potential vanilloid 4. Journal of Pharmacological Sciences, 2021, 146, 244-248.	2.5	1
4	Genetic knockout and pharmacologic inhibition of NCX1 attenuate hypoxia-induced pulmonary arterial hypertension. Biochemical and Biophysical Research Communications, 2020, 529, 793-798.	2.1	1
5	Sodiumâ€“calcium exchanger 1 is the key molecule for urinary potassium excretion against acute hyperkalemia. PLoS ONE, 2020, 15, e0235360.	2.5	6
6	Title is missing!. , 2020, 15, e0235360.		0
7	Title is missing!. , 2020, 15, e0235360.		0
8	Title is missing!. , 2020, 15, e0235360.		0
9	Title is missing!. , 2020, 15, e0235360.		0
10	Aberrant Amygdala-Dependent Cued Fear Memory in Na+/Ca2+ Exchanger 1 Heterozygous Mice. Molecular Neurobiology, 2019, 56, 4381-4394.	4.0	1
11	Reduced expression of Na+/Ca2+ exchangers is associated with cognitive deficits seen in Alzheimer's disease model mice. Neuropharmacology, 2018, 131, 291-303.	4.1	23
12	Endogenous Hydrogen Sulfide Contributes to Tone Generation in Porcine Lower Esophageal Sphincter Via Na+/Ca2+ Exchanger. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 209-221.	4.5	5
13	Functional analysis of vascular Na⁺/Ca²⁺ exchangers using genetically engineered mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-41.	0.0	0
14	Therapeutic efficacy of TNF-a neutralizing antibody in Complex Regional Pain Syndrome (CRPS) model mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-2-9.	0.0	0
15	Vascular smooth muscle NCX1 is involved in the pathogenesis of pulmonary arterial hypertension. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-37.	0.0	0
16	A subset of cerebrovascular pericytes originates from mature macrophages in the very early phase of vascular development in CNS. Scientific Reports, 2017, 7, 3855.	3.3	73
17	Reduced CaM Kinase II and CaM Kinase IV Activities Underlie Cognitive Deficits in NCKX2 Heterozygous Mice. Molecular Neurobiology, 2017, 55, 3889-3900.	4.0	13
18	Na⁺/Ca²⁺ exchanger contributes to stool transport in mice with experimental diarrhea. Journal of Veterinary Medical Science, 2017, 79, 403-411.	0.9	5

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19	Overexpression of Na+/Ca2+ exchanger 1 display enhanced relaxation in the gastric fundus. Journal of Pharmacological Sciences, 2016, 132, 181-186.	2.5	10
20	Roles of Na+/Ca2+ exchanger isoforms NCX1 and NCX2 in motility in mouse ileum. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 1081-1090.	3.0	10
21	Inhibitory effect of YM-244769, a novel Na+/Ca2+ exchanger inhibitor on Na+/Ca2+ exchange current in guinea pig cardiac ventricular myocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 1205-1214.	3.0	5
22	Nicorandil stimulates a Na+/Ca2+ exchanger by activating guanylate cyclase in guinea pig cardiac myocytes. Pflugers Archiv European Journal of Physiology, 2016, 468, 693-703.	2.8	8
23	Conditional knockout of smooth muscle sodium calcium exchanger type-1 lowers blood pressure and attenuates Angiotensin II-salt hypertension. Physiological Reports, 2015, 3, e12273.	1.7	8
24	Genetic knockout and pharmacologic inhibition of NCX2 cause natriuresis and hypercalciuria. Biochemical and Biophysical Research Communications, 2015, 456, 670-675.	2.1	17
25	1. Na⁺/Ca²⁺ Exchangers: Therapeutic Target for Cardiovascular Diseases. Japanese Journal of Clinical Pharmacology and Therapeutics, 2015, 46, 30-32.	0.1	0
26	Preface. Japanese Journal of Clinical Pharmacology and Therapeutics, 2015, 46, 29-29.	0.1	0
27	Conditional knockout of smooth muscleâ€specific Na/Ca exchanger typeâ€1 causes striking impairment of NO/cGMPâ€mediated vasodilation. FASEB Journal, 2015, 29, 1052.6.	0.5	0
28	High sodium augments angiotensin II-induced vascular smooth muscle cell proliferation through the ERK 1/2-dependent pathway. Hypertension Research, 2014, 37, 13-18.	2.7	28
29	Effects of Krill-derived phospholipid-enriched n â^' 3 fatty acids on Ca2+ regulation system in cerebral arteries from ovariectomized rats. Life Sciences, 2014, 100, 18-24.	4.3	3
30	Na+/Ca2+ Exchanger 1/2 Double-Heterozygote Knockout Mice Display Increased Nitric Oxide Component and Altered Colonic Motility. Journal of Pharmacological Sciences, 2013, 123, 235-245.	2.5	13
31	Preferential involvement of Na+/Ca2+ exchanger type-1 in the brain damage caused by transient focal cerebral ischemia in mice. Biochemical and Biophysical Research Communications, 2012, 429, 186-190.	2.1	24
32	New Molecular Mechanisms for Cardiovascular Disease: Cardiac Hypertrophy and Cell-Volume Regulation. Journal of Pharmacological Sciences, 2011, 116, 343-349.	2.5	23
33	New Molecular Mechanisms for Cardiovascular Disease: Preface. Journal of Pharmacological Sciences, 2011, 116, 321-322.	2.5	0
34	Na+/Ca2+ Exchange as a Drug Target--Insights from Molecular Pharmacology and Genetic Engineering. Annals of the New York Academy of Sciences, 2007, 1099, 516-528.	3.8	31
35	Na+/Ca2+ Exchange Inhibitors: A New Class of Calcium Regulators. Cardiovascular & Hematological Disorders Drug Targets, 2007, 7, 188-198.	0.7	76
36	Topics on the Na+/Ca2+ Exchanger: Role of Vascular NCX1 in Salt-Dependent Hypertension. Journal of Pharmacological Sciences, 2006, 102, 32-36.	2.5	16

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37	Vascular Na+/Ca2+ exchanger: implications for the pathogenesis and therapy of salt-dependent hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R536-R545.	1.8	27
38	YM-244769, a Novel Na+/Ca2+ Exchange Inhibitor That Preferentially Inhibits NCX3, Efficiently Protects against Hypoxia/Reoxygenation-Induced SH-SY5Y Neuronal Cell Damage. Molecular Pharmacology, 2006, 70, 2075-2083.	2.3	44
39	Salt-Sensitive Hypertension, Na+/Ca2+ Exchanger, and Vascular Smooth Muscle. Trends in Cardiovascular Medicine, 2005, 15, 273-277.	4.9	25
40	Sodiumâ€“calcium exchange inhibitors: therapeutic potential in cardiovascular diseases. Future Cardiology, 2005, 1, 519-529.	1.2	22
41	The Exchanger Inhibitory Peptide Region-Dependent Inhibition of Na+/Ca2+Exchange by SN-6 [2-[4-(4-Nitrobenzyloxy)benzyl]thiazolidine-4-carboxylic Acid Ethyl Ester], a Novel Benzyloxyphenyl Derivative. Molecular Pharmacology, 2004, 66, 45-55.	2.3	103
42	Molecular Determinants of Na+/Ca2+ Exchange (NCX1) Inhibition by SEA0400. Journal of Biological Chemistry, 2004, 279, 7544-7553.	3.4	108
43	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
44	Development and application of Na⁺/Ca²⁺exchange inhibitors. Molecular and Cellular Biochemistry, 2004, 259, 157-161.	3.1	39
45	Endothelin-1 Aggravates Hypoxia/Reoxygenationinduced Injury in Renal Epithelial Cells through the Activation of a Na+/Ca2+ Exchanger. Journal of Cardiovascular Pharmacology, 2004, 44, S462-S466.	1.9	3
46	Forefront of Na+/Ca2+ Exchanger Studies: Molecular Pharmacology of Na+/Ca2+ Exchange Inhibitors. Journal of Pharmacological Sciences, 2004, 96, 27-32.	2.5	97
47	A novel and selective Na+/Ca2+ exchange inhibitor, SEA0400, improves ischemia/reperfusion-induced renal injury. European Journal of Pharmacology, 2003, 478, 187-198.	3.5	30
48	Na+/Ca2+ exchanger-deficient mice have disorganized myofibrils and swollen mitochondria in cardiomyocytes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 9-15.	1.6	11
49	Attenuation of Ischemia/Reperfusion-Induced Renal Injury in Mice Deficient in Na+/Ca2+Exchanger. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 284-293.	2.5	59
50	Targeted Disruption of Na+/Ca2+ Exchanger Gene Leads to Cardiomyocyte Apoptosis and Defects in Heartbeat. Journal of Biological Chemistry, 2000, 275, 36991-36998.	3.4	183
51	Protein Kinase C-Dependent Regulation of Na+/Ca2+Exchanger Isoforms NCX1 and NCX3 Does Not Require Their Direct Phosphorylationâ€. Biochemistry, 1998, 37, 17230-17238.	2.5	107
52	Differential inhibition of Na⁺/Ca²⁺exchanger isoforms by divalent cations and isothiourea derivative. American Journal of Physiology - Cell Physiology, 1998, 275, C423-C430.	4.6	150
53	A Novel Isothiourea Derivative Selectively Inhibits the Reverse Mode of Na+/Ca2+ Exchange in Cells Expressing NCX1. Journal of Biological Chemistry, 1996, 271, 22391-22397.	3.4	459