Manabu Murakami

List of Publications by Year
in descending order

51 papers	1,236 citations	430874 18 h-index	414414 32 g-index
55 all docs	55 docs citations	55 times ranked	1618 citing authors

#	Article	IF	Citations
1	TRP channel and cardiovascular disease. , 2008, 118, 337-351.		180
2	Removal of Ca2+ Channel Î²3 Subunit Enhances Ca2+ Oscillation Frequency and Insulin Exocytosis. Cell, 2004, 119, 273-284.	28.9	105
3	The Pathological Role of Transient Receptor Potential Channels in Heart Disease. Circulation Journal, 2009, 73, 419-427.	1.6	98
4	Functional role of stromal interaction molecule 1 (STIM1) in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2007, 361, 934-940.	2.1	87
5	Essential role of STIM1 in the development of cardiomyocyte hypertrophy. Biochemical and Biophysical Research Communications, 2009, 389, 172-176.	2.1	77
6	Antinociceptive effect of different types of calcium channel inhibitors and the distribution of various calcium channel Î±1 subunits in the dorsal horn of spinal cord in mice. Brain Research, 2004, 1024, 122-129.	2.2	71
7	Pain Perception in Mice Lacking the Î²3 Subunit of Voltage-activated Calcium Channels. Journal of Biological Chemistry, 2002, 277, 40342-40351.	3.4	70
8	Identification and characterization of the murine TRPM4 channel. Biochemical and Biophysical Research Communications, 2003, 307, 522-528.	2.1	60
9	Genomic Organization and Functional Analysis of Murine PKD2L1. Journal of Biological Chemistry, 2005, 280, 5626-5635.	3.4	50
10	Modified Cardiovascular L-type Channels in Mice Lacking the Voltage-dependent Ca2+ Channel Î²3 Subunit. Journal of Biological Chemistry, 2003, 278, 43261-43267.	3.4	45
11	Inhalation Anesthesia Is Preferable for Recording Rat Cardiac Function Using an Electrocardiogram. Biological and Pharmaceutical Bulletin, 2014, 37, 834-839.	1.4	38
12	Behavioral and neurochemical characterization of mice deficient in the N-type Ca2+ channel Î±1B subunit. Behavioural Brain Research, 2010, 208, 224-230.	2.2	36
13	Modified behavioral characteristics following ablation of the voltage-dependent calcium channel Î²3 subunit. Brain Research, 2007, 1160, 102-112.	2.2	33
14	Regulatory role of neuron-restrictive silencing factor in expression of TRPC1. Biochemical and Biophysical Research Communications, 2006, 351, 764-770.	2.1	28
15	Antinociceptive effect of cilnidipine, a novel N-type calcium channel antagonist. Brain Research, 2000, 868, 123-127.	2.2	22
16	Modified Sympathetic Nerve System Activity with Overexpression of the Voltage-dependent Calcium Channel Î²3 Subunit. Journal of Biological Chemistry, 2008, 283, 24554-24560.	3.4	22
17	Involvement of the orexin system in sympathetic nerve regulation. Biochemical and Biophysical Research Communications, 2015, 460, 1076-1081.	2.1	21
18	Effects of Propofol on Electrocardiogram Measures in Mice. Journal of Pharmacological Sciences, 2014, 126, 351-358.	2.5	19

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19	OSTEOMALACIA CAUSED BY INTRAVENOUS ADMINISTRATION OF SACCHARATED FERRIC OXIDE FOR TREATMENT OF IRON DEFICIENCY ANEMIA ASSOCIATED WITH NONSPECIFIC MULTIPLE ULCERS OF THE SMALL INTESTINE: REPORT OF TWO CASES. The Journal of the Japanese Society of Internal Medicine, 1982, 71, 1566-1572.	0.0	18
20	Modified sympathetic regulation in N-type calcium channel null-mouse. Biochemical and Biophysical Research Communications, 2007, 354, 1016-1020.	2.1	16
21	Stromal interaction molecule 1 haploinsufficiency causes maladaptive response to pressure overload. PLoS ONE, 2017, 12, e0187950.	2.5	14
22	Involvement of the calcium channel Î²3 subunit in olfactory signal transduction. Biochemical and Biophysical Research Communications, 2007, 355, 1019-1024.	2.1	13
23	Medaka as a model for ECG analysis and the effect of verapamil. Journal of Pharmacological Sciences, 2018, 137, 55-60.	2.5	13
24	Involvement of the Orexin System in Adrenal Sympathetic Regulation. Pharmacology, 2013, 91, 250-258.	2.2	12
25	Modified autonomic regulation in mice with a P/Q-type calcium channel mutation. Biochemical and Biophysical Research Communications, 2009, 381, 27-32.	2.1	10
26	Identification of a cardiac isoform of the murine calcium channel Î±1C (Cav1.2-a) subunit and its preferential binding with the Î²2 subunit. Journal of Molecular and Cellular Cardiology, 2006, 41, 115-125.	1.9	9
27	Involvement of the histamine H1 receptor in the regulation of sympathetic nerve activity. Biochemical and Biophysical Research Communications, 2015, 458, 584-589.	2.1	9
28	Involvement of Voltage-Dependent Ca²⁺ Channel Î²₃ Subunit in the Autonomic Control of Heart Rate Variability. Pharmacology, 2006, 76, 170-179.	2.2	8
29	A simple and dual expression plasmid system in prokaryotic (E. coli) and mammalian cells. PLoS ONE, 2019, 14, e0216169.	2.5	8
30	Decreased calcium channel currents and facilitated epinephrine release in the Ca2+ channel Î²3 subunit-null mice. Biochemical and Biophysical Research Communications, 2010, 394, 464-469.	2.1	7
31	Modiï¬ed sympathetic nerve regulation in AKAP5-null mice. Biochemical and Biophysical Research Communications, 2016, 469, 897-902.	2.1	7
32	Inhibitory effects of two G protein-coupled receptor kinases on the cell surface expression and signaling of the human adrenomedullin receptor. Biochemical and Biophysical Research Communications, 2016, 470, 894-899.	2.1	7
33	Genetic characterization of a new splice variant of the beta2 subunit of the voltage-dependent calcium channel. Molecular and Cellular Biochemistry, 2003, 254, 217-225.	3.1	6
34	Decreases in Pheromonal Responses at the Accessory Olfactory Bulb of Mice with a Deficiency of the .ALPHA.1B or .BETA.3 Subunits of Voltage-Dependent Ca2+-Channels. Biological and Pharmaceutical Bulletin, 2006, 29, 437-442.	1.4	5
35	Inhibitory effect of pranidipine on N-type voltage-dependent Ca2+ channels in mice. Neuroscience Letters, 2004, 367, 118-122.	2.1	4
36	A dual prokaryotic (E. coli) expression system (pdMAX). PLoS ONE, 2021, 16, e0258553.	2.5	3

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37	Î²-arrestins negatively control human adrenomedullin type 1-receptor internalization. Biochemical and Biophysical Research Communications, 2017, 487, 438-443.	2.1	2
38	Structures of the Murine Genes for the Î²1- and Î²4-Subunits of the Voltage-Dependent Calcium Channel. Journal of Molecular Neuroscience, 2003, 21, 13-22.	2.3	1
39	Requirement of the Ca2+ channel Î²2 subunit for sympathetic PKA phosphorylation. Journal of Pharmacological Sciences, 2021, 145, 253-261.	2.5	1
40	Decreased cardiac pacemaking and attenuated Î²-adrenergic response in TRIC-A knockout mice. PLoS ONE, 2020, 15, e0244254.	2.5	1
41	Modified autonomic regulation in mice mutated in the Î²4 subunit of the lh/lh calcium channel. Biochemical and Biophysical Research Communications, 2015, 461, 200-205.	2.1	0
42	Problems in implementing interprofessional education in rural areas: an exploratory study. Rural and Remote Health, 2021, 21, 6726.	0.5	0
43	Attenuated Î²-adrenergic response in calcium/calmodulin-dependent protein kinase IV-knockout mice. PLoS ONE, 2021, 16, e0249932.	2.5	0
44	Anti-tumor growth effect of STIM1 suppression. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-18.	0.0	0
45	Enhancing studentsâ€™ motivations through early exposure in actual settings is key. The National Medical Journal of India, 2021, 34, 188-188.	0.3	0
46	Enhanced Î²-adrenergic response in mice with dominant-negative expression of the PKD2L1 channel. PLoS ONE, 2022, 17, e0261668.	2.5	0
47	The usefulness of measuring n-butyric acid concentration as a new indicator of blood decomposition in forensic autopsy. Legal Medicine, 2022, 57, 102071.	1.3	0
48	Decreased cardiac pacemaking and attenuated Î²-adrenergic response in TRIC-A knockout mice. , 2020, 15, e0244254.		0
49	Decreased cardiac pacemaking and attenuated Î²-adrenergic response in TRIC-A knockout mice. , 2020, 15, e0244254.		0
50	Decreased cardiac pacemaking and attenuated Î²-adrenergic response in TRIC-A knockout mice. , 2020, 15, e0244254.		0
51	Decreased cardiac pacemaking and attenuated Î²-adrenergic response in TRIC-A knockout mice. , 2020, 15, e0244254.		0