

Minoru Wakamori

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

3,575
citations

26
h-index

56
g-index

56
ext. papers

3,811
ext. citations

6.1
avg, IF

3.99
L-index

#	Paper	IF	Citations
55	Identification of ultra-rare disruptive variants in voltage-gated calcium channel-encoding genes in Japanese samples of schizophrenia and autism spectrum disorder.. <i>Translational Psychiatry</i> , 2022 , 12, 84	8.6	1
54	Induction of myoepithelial cell differentiation by carbachol, a parasympathetic neurotransmitter agonist, during salivary gland development.. <i>Experimental Cell Research</i> , 2022 , 113137	4.2	
53	Capsaicin and Proton Differently Modulate Activation Kinetics of Mouse Transient Receptor Potential Vanilloid-1 Channel Induced by Depolarization. <i>Frontiers in Pharmacology</i> , 2021 , 12, 672157	5.6	1
52	Mode-selective inhibitory effects of eugenol on the mouse TRPV1 channel. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 556, 156-162	3.4	0
51	Synthesis of quinolyl-pyrrole derivatives as novel environment-sensitive fluorescent probes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 382, 111900	4.7	4
50	Protective Effects of Duloxetine against Cerebral Ischemia-Reperfusion Injury via Transient Receptor Potential Melastatin 2 Inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 368, 246-254	4.7	9
49	Zinc promotes differentiation and proliferation of MC3T3-E1 cells through activation of Ca ²⁺ -activated K ⁺ channels. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-3-53	0	
48	Pharmacological properties of SAK3, a novel T-type voltage-gated Ca channel enhancer. <i>Neuropharmacology</i> , 2017 , 117, 1-13	5.5	28
47	Inhibition of veratridine-induced delayed inactivation of the voltage-sensitive sodium channel by synthetic analogs of crambescin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 1247-1251	2.9	4
46	Alternative splicing in the C-terminal tail of Cav2.1 is essential for preventing a neurological disease in mice. <i>Human Molecular Genetics</i> , 2017 , 26, 3094-3104	5.6	6
45	Differential binding of tetrodotoxin and its derivatives to voltage-sensitive sodium channel subtypes (Na 1.1 to Na 1.7). <i>British Journal of Pharmacology</i> , 2017 , 174, 3881-3892	8.6	33
44	Unraveling the rat blood genome-wide transcriptome after oral administration of lavender oil by a two-color dye-swap DNA microarray approach. <i>Genomics Data</i> , 2016 , 8, 139-45		
43	Compromised maturation of GABAergic inhibition underlies abnormal network activity in the hippocampus of epileptic Ca ²⁺ channel mutant mice, tottering. <i>Pflügers Archiv European Journal of Physiology</i> , 2015 , 467, 737-52	4.6	9
42	Inhibitory effects of AG490 on H ₂ O ₂ -induced TRPM2-mediated Ca ²⁺ entry. <i>European Journal of Pharmacology</i> , 2014 , 742, 22-30	5.3	18
41	Development of Purkinje cell degeneration in a knockin mouse model reveals lysosomal involvement in the pathogenesis of SCA6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17693-8	11.5	37
40	Melastatin Transient Receptor Potential Channel Type 5 2012 , 341-345		
39	Rab3-interacting molecule gamma isoforms lacking the Rab3-binding domain induce long lasting currents but block neurotransmitter vesicle anchoring in voltage-dependent P/Q-type Ca ²⁺ channels. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21750-67	5.4	40

38	A missense mutation of the gene encoding voltage-dependent sodium channel (Nav1.1) confers susceptibility to febrile seizures in rats. <i>Journal of Neuroscience</i> , 2010 , 30, 5744-53	6.6	56
37	Neuronal Ca ²⁺ -sensitive Non-selective Cation Channels and TRPC5. <i>Journal of Oral Biosciences</i> , 2010 , 52, 352-357	2.5	
36	Transient receptor potential channels and mechanobiology 2010 , 48-52		
35	A pathogenic C terminus-truncated polycystin-2 mutant enhances receptor-activated Ca ²⁺ entry via association with TRPC3 and TRPC7. <i>Journal of Biological Chemistry</i> , 2009 , 284, 34400-12	5.4	24
34	Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5400-5	11.5	299
33	Knockdown of Cav2.1 calcium channels is sufficient to induce neurological disorders observed in natural occurring Cacna1a mutants in mice. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1029-33	3.4	18
32	RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca ²⁺ channels. <i>Nature Neuroscience</i> , 2007 , 10, 691-701	25.5	186
31	Mutation associated with an autosomal dominant cone-rod dystrophy CORD7 modifies RIM1-mediated modulation of voltage-dependent Ca ²⁺ channels. <i>Channels</i> , 2007 , 1, 144-7	3	24
30	Properties of human Cav2.1 channel with a spinocerebellar ataxia type 6 mutation expressed in Purkinje cells. <i>Molecular and Cellular Neurosciences</i> , 2007 , 34, 261-70	4.8	59
29	Solution structure of agelenin, an insecticidal peptide isolated from the spider <i>Agelena opulenta</i> , and its structural similarities to insect-specific calcium channel inhibitors. <i>FEBS Letters</i> , 2007 , 581, 3789-94	3.8	8
28	Coupling of STIM1 to store-operated Ca ²⁺ entry through its constitutive and inducible movement in the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16704-9	11.5	262
27	A functional AMPA receptor-calcium channel complex in the postsynaptic membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5561-6	11.5	23
26	Arachidonic acid can function as a signaling modulator by activating the TRPM5 cation channel in taste receptor cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 1078-84	5.8	46
25	A critical role of TRPM2 in neuronal cell death by hydrogen peroxide. <i>Journal of Pharmacological Sciences</i> , 2006 , 101, 66-76	3.7	165
24	A CaV2.1 calcium channel mutation rocker reduces the number of postsynaptic AMPA receptors in parallel fiber-Purkinje cell synapses. <i>European Journal of Neuroscience</i> , 2006 , 24, 2993-3007	3.5	26
23	Ca ²⁺ -calmodulin-dependent myosin light chain kinase is essential for activation of TRPC5 channels expressed in HEK293 cells. <i>Journal of Physiology</i> , 2006 , 570, 219-35	3.9	56
22	Nicotinic ACh receptors in area postrema neurons of immature rat brain. <i>Neuroscience Letters</i> , 2005 , 381, 350-3	3.3	3
21	Properties of native P2X receptors in large multipolar neurons dissociated from rat hypothalamic arcuate nucleus. <i>Brain Research</i> , 2004 , 1005, 51-9	3.7	12

20	Transient receptor potential 1 regulates capacitative Ca ²⁺ entry and Ca ²⁺ release from endoplasmic reticulum in B lymphocytes. <i>Journal of Experimental Medicine</i> , 2002 , 195, 673-81	16.6	175
19	Inhibitory effects of cilnidipine on peripheral and brain N-type Ca ²⁺ channels expressed in BHK cells. <i>Neuropharmacology</i> , 2002 , 42, 1099-108	5.5	5
18	LTRPC2 Ca ²⁺ -permeable channel activated by changes in redox status confers susceptibility to cell death. <i>Molecular Cell</i> , 2002 , 9, 163-73	17.6	653
17	Limited intercellular spread of spontaneous Ca ²⁺ signals via gap junctions between mouse chromaffin cells in situ. <i>Neuroscience Letters</i> , 2002 , 323, 97-100	3.3	4
16	Bidirectional alterations in cerebellar synaptic transmission of tottering and rolling Ca ²⁺ channel mutant mice. <i>Journal of Neuroscience</i> , 2002 , 22, 4388-98	6.6	99
15	Differential nociceptive responses in mice lacking the alpha(1B) subunit of N-type Ca ²⁺ channels. <i>NeuroReport</i> , 2001 , 12, 2423-7	1.7	127
14	The lethal expression of the GluR2flip/GluR4flip AMPA receptor in HEK293 cells. <i>European Journal of Neuroscience</i> , 2000 , 12, 3900-8	3.5	9
13	Reduced voltage sensitivity of activation of P/Q-type Ca ²⁺ channels is associated with the ataxic mouse mutation rolling Nagoya (tg(rol)). <i>Journal of Neuroscience</i> , 2000 , 20, 5654-62	6.6	161
12	Spontaneous single-channel activity of neuronal TRP5 channel recombinantly expressed in HEK293 cells. <i>Neuroscience Letters</i> , 2000 , 285, 111-4	3.3	43
11	Direct alteration of the P/Q-type Ca ²⁺ channel property by polyglutamine expansion in spinocerebellar ataxia 6. <i>Journal of Neuroscience</i> , 1999 , 19, RC14	6.6	99
10	Auxiliary subunits operate as a molecular switch in determining gating behaviour of the unitary N-type Ca ²⁺ channel current in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1999 , 517 (Pt 3), 659-72	3.9	49
9	Differential interactions of the C terminus and the cytoplasmic I-II loop of neuronal Ca ²⁺ channels with G-protein alpha and beta gamma subunits. I. Molecular determination. <i>Journal of Biological Chemistry</i> , 1998 , 273, 17585-94	5.4	42
8	Molecular cloning and functional characterization of a novel receptor-activated TRP Ca ²⁺ channel from mouse brain. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10279-87	5.4	235
7	Single tottering mutations responsible for the neuropathic phenotype of the P-type calcium channel. <i>Journal of Biological Chemistry</i> , 1998 , 273, 34857-67	5.4	187
6	Functional characterization of ion permeation pathway in the N-type Ca ²⁺ channel. <i>Journal of Neurophysiology</i> , 1998 , 79, 622-34	3.2	56
5	Molecular pharmacology of voltage-dependent calcium channels. <i>The Japanese Journal of Pharmacology</i> , 1996 , 72, 83-109		69
4	Stable expression and coupling of cardiac L-type Ca ²⁺ channels with beta 1-adrenoceptors. <i>Circulation Research</i> , 1995 , 76, 335-42	15.7	24
3	Alteration of channel characteristics by exchange of pore-forming regions between two structurally related Ca ²⁺ channels. <i>Molecular and Cellular Biochemistry</i> , 1994 , 140, 93-102	4.2	13

2	A new type of Ca ²⁺ channel blocker, NC-1100, inhibits the low- and high-threshold Ca ²⁺ currents in the rat CNS neurons. <i>Brain Research</i> , 1992 , 598, 215-20	3.7	11
1	Excitatory amino acid response in isolated nucleus tractus solitarii neurons of the rat. <i>Neuroscience Research</i> , 1990 , 8, 114-23	2.9	57