Yasuo Mori

List of Publications by Year
in descending order

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109 papers	3,627 citations	147566 31 h-index	149479 56 g-index
113 all docs	113 docs citations	113 times ranked	5114 citing authors

#	Article	IF	Citations
1	Cell-autonomous control of intracellular temperature by unsaturation of phospholipid acyl chains. Cell Reports, 2022, 38, 110487.	2.9	8
2	C-type natriuretic peptide facilitates autonomic Ca2+ entry in growth plate chondrocytes for stimulating bone growth. ELife, 2022, 11, .	2.8	15
3	Determination of the physiological range of oxygen tension in bone marrow monocytes using two-photon phosphorescence lifetime imaging microscopy. Scientific Reports, 2022, 12, 3497.	1.6	7
4	TRPM2 deficiency in mice protects against atherosclerosis by inhibiting TRPM2â€“CD36 inflammatory axis in macrophages. , 2022, 1, 344-360.		19
5	Functionally deficient TRPV6 variants contribute to hereditary and familial chronic pancreatitis. Human Mutation, 2022, 43, 228-239.	1.1	7
6	Functional coupling of TRPM2 and extrasynaptic NMDARs exacerbates excitotoxicity in ischemic brain injury. Neuron, 2022, 110, 1944-1958.e8.	3.8	35
7	Hippocampus-related cognitive disorders develop in the absence of epilepsy and ataxia in the heterozygous Cacna1a mutant mice tottering. Channels, 2022, 16, 113-126.	1.5	1
8	A two-step screening to optimize the signal response of an auto-fluorescent protein-based biosensor. RSC Advances, 2022, 12, 15407-15419.	1.7	1
9	Possible involvement of TRPM2 activation in 5-fluorouracil-induced myelosuppression in mice. European Journal of Pharmacology, 2021, 891, 173671.	1.7	12
10	Deficiency of the RIÎ² subunit of protein kinase A causes body tremor and impaired fear conditioning memory in rats. Scientific Reports, 2021, 11, 2039.	1.6	4
11	Deletion of TRPC3 or TRPC6 Fails to Attenuate the Formation of Inflammation and Fibrosis in Non-alcoholic Steatohepatitis. Biological and Pharmaceutical Bulletin, 2021, 44, 431-436.	0.6	7
12	Astrocytes mediate the postâ€hypoxic persistent respiratory augmentation. FASEB Journal, 2021, 35, .	0.2	0
13	TRPM7 is an essential regulator for volume-sensitive outwardly rectifying anion channel. Communications Biology, 2021, 4, 599.	2.0	9
14	Striatal TRPV1 activation by acetaminophen ameliorates dopamine D2 receptor antagonistâ€“induced orofacial dyskinesia. JCI Insight, 2021, 6, .	2.3	10
15	V for versatility: TRPV4 Ca2+ entry channel plays multiple roles in invadosome regulation. Cell Calcium, 2021, 96, 102387.	1.1	0
16	Extreme deformability of insect cell membranes is governed by phospholipid scrambling. Cell Reports, 2021, 35, 109219.	2.9	25
17	Deep-Red/Near-Infrared Turn-On Fluorescence Probes for Aldehyde Dehydrogenase 1A1 in Cancer Stem Cells. ACS Sensors, 2021, 6, 3320-3329.	4.0	12
18	MrgprB4 in trigeminal neurons expressing TRPA1 modulates unpleasant sensations. Journal of Pharmacological Sciences, 2021, 146, 200-205.	1.1	5

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19	Activation of Astrocytes in the Persistence of Post-hypoxic Respiratory Augmentation. Frontiers in Physiology, 2021, 12, 757731.	1.3	4
20	Osteoclasts adapt to physioxia perturbation through DNA demethylation. EMBO Reports, 2021, 22, e53035.	2.0	13
21	Transient receptor potential (TRP) channels: Biosensors for redox environmental stimuli and cellular status. Free Radical Biology and Medicine, 2020, 146, 36-44.	1.3	58
22	Variants That Affect Function of Calcium Channel TRPV6 Are Associated With Early-Onset Chronic Pancreatitis. Gastroenterology, 2020, 158, 1626-1641.e8.	0.6	77
23	Ryanodine receptor mutations (G4946E and I4790K) differentially responsible for diamide insecticide resistance in diamondback moth, Plutella xylostella L.. Insect Biochemistry and Molecular Biology, 2020, 118, 103308.	1.2	41
24	Blockade of astrocytic activation delays the occurrence of severe hypoxiaâ€induced seizure and respiratory arrest in mice. Journal of Comparative Neurology, 2020, 528, 1257-1264.	0.9	7
25	O2-Dependent Protein Internalization Underlies Astrocytic Sensing of Acute Hypoxia by Restricting Multimodal TRPA1 Channel Responses. Current Biology, 2020, 30, 3378-3396.e7.	1.8	32
26	Transient Receptor Potential Ankyrin 1 Mediates Hypoxic Responses in Mice. Frontiers in Physiology, 2020, 11, 576209.	1.3	7
27	A Rapid Shift from Chronic Hyperoxia to Normoxia Induces Systemic Anaphylaxis via Transient Receptor Potential Ankyrin 1 Channels on Mast Cells. Journal of Immunology, 2020, 205, 2959-2967.	0.4	7
28	Ion channelopathies to bridge molecular lesions, channel function, and clinical therapies. Pflugers Archiv European Journal of Physiology, 2020, 472, 733-738.	1.3	6
29	Fluorescence detection of the nitric oxide-induced structural change at the putative nitric oxide sensing segment of TRPC5. Bioorganic and Medicinal Chemistry, 2020, 28, 115430.	1.4	2
30	Structure determination of the human TRPV1 ankyrin-repeat domain under nonreducing conditions. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 130-137.	0.4	7
31	ELKS/Voltage-Dependent Ca2+ Channel-Î² Subunit Module Regulates Polarized Ca2+ Influx in Pancreatic Î² Cells. Cell Reports, 2019, 26, 1213-1226.e7.	2.9	29
32	Cnnm4 deficiency suppresses Ca2+ signaling and promotes cell proliferation in the colon epithelia. Oncogene, 2019, 38, 3962-3969.	2.6	13
33	TRPC6 regulates phenotypic switching of vascular smooth muscle cells through plasma membrane potentialâ€dependent coupling with PTEN. FASEB Journal, 2019, 33, 9785-9796.	0.2	27
34	Pathophysiological Role of TRPM2 in Age-Related Cognitive Impairment in Mice. Neuroscience, 2019, 408, 204-213.	1.1	12
35	Involvement of TRPM2 and TRPM8 in temperature-dependent masking behavior. Scientific Reports, 2019, 9, 3706.	1.6	7
36	TRPM7 channels mediate spontaneous Ca ²⁺ fluctuations in growth plate chondrocytes that promote bone development. Science Signaling, 2019, 12, .	1.6	27

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37	Protective Effects of Duloxetine against Cerebral Ischemia-Reperfusion Injury via Transient Receptor Potential Melastatin 2 Inhibition. Journal of Pharmacology and Experimental Therapeutics, 2019, 368, 246-254.	1.3	12
38	TRPV1 is a component of the atrial natriuretic signaling complex, and using orally delivered antagonists, presents a valid therapeutic target in the longitudinal reversal and treatment of cardiac hypertrophy and heart failure. Channels, 2019, 13, 1-16.	1.5	11
39	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. Brain Research, 2019, 1704, 68-77.	1.1	7
40	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 2-P-021.	0.0	0
41	Pathophysiological role of mitochondria-actin interactions in mouse hearts after myocardial infarction. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 2-YIA-21.	0.0	0
42	TRPM2 Channel Aggravates CNS Inflammation and Cognitive Impairment via Activation of Microglia in Chronic Cerebral Hypoperfusion. Journal of Neuroscience, 2018, 38, 3520-3533.	1.7	102
43	TRPM2 Mediates Neutrophil Killing of Disseminated Tumor Cells. Cancer Research, 2018, 78, 2680-2690.	0.4	120
44	Sensors and regulatory mechanisms of thermal physiology. Pflugers Archiv European Journal of Physiology, 2018, 470, 703-704.	1.3	4
45	In vitro and in vivo characterization of modulation of the vacuolar cation channel TRPY 1 from Saccharomyces cerevisiae. FEBS Journal, 2018, 285, 1146-1161.	2.2	14
46	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K⁺ Channels. Angewandte Chemie - International Edition, 2018, 57, 2586-2591.	7.2	33
47	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K⁺ Channels. Angewandte Chemie, 2018, 130, 2616-2621.	1.6	1
48	Decreased Brain pH as a Shared Endophenotype of Psychiatric Disorders. Neuropsychopharmacology, 2018, 43, 459-468.	2.8	94
49	Hypoxia-induced interaction of filamin with Drp1 causes mitochondrial hyperfissionâ€"associated myocardial senescence. Science Signaling, 2018, 11, .	1.6	83
50	TRPM2 Exacerbates Central Nervous System Inflammation in Experimental Autoimmune Encephalomyelitis by Increasing Production of CXCL2 Chemokines. Journal of Neuroscience, 2018, 38, 8484-8495.	1.7	29
51	Cancer Cells Co-opt the Neuronal Redox-Sensing Channel TRPA1 to Promote Oxidative-Stress Tolerance. Cancer Cell, 2018, 33, 985-1003.e7.	7.7	184
52	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of postoperative ileus. American Journal of Physiology - Renal Physiology, 2018, 315, G104-G116.	1.6	16
53	Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. Nature Communications, 2018, 9, 2049.	5.8	127
54	Unveiled cold sensitivity of TRPA1 by the prolyl hydroxylation inhibition-induced sensitization to ROS in oxaliplatin-induced acute peripheral neuropathy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-2-42.	0.0	0

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55	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of post-operative ileus. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR21-1.	0.0	0
56	Fluorescent imaging of in vivo H2O2 levels reveals contribution of oxidative microenvironment to tumor malignancy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-10-36.	0.0	0
57	Spontaneous Ca²⁺ fluctuations mediated by TRPM7 channels in growth plate chondrocytes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-4-31.	0.0	0
58	Protective effect of duloxetine against cerebral ischemia-reperfusion injury through TRPM2 inhibition. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-14.	0.0	0
59	Radiation inhibits salivary gland function by promoting STIM1 cleavage by caspase-3 and loss of SOCE through a TRPM2-dependent pathway. Science Signaling, 2017, 10, .	1.6	40
60	The Î²4 subunit of the voltage-gated calcium channel (Cacnb4) regulates the rate of cell proliferation in Chinese Hamster Ovary cells. International Journal of Biochemistry and Cell Biology, 2017, 89, 57-70.	1.2	9
61	Down-regulation of the Wnt/Î²-catenin signaling pathway by Cacnb4. Molecular Biology of the Cell, 2017, 28, 3699-3708.	0.9	15
62	Strategy to Attain Remarkably High Photoinduced Charge-Separation Yield of Donorâ€"Acceptor Linked Molecules in Biological Environment via Modulating Their Cationic Moieties. Journal of Physical Chemistry C, 2017, 121, 17457-17465.	1.5	12
63	Transient receptor potential melastatin 2 channels (TRPM2) mediate neonatal hypoxic-ischemic brain injury in mice. Experimental Neurology, 2017, 296, 32-40.	2.0	46
64	Distinct Mechanism of Cysteine Oxidation-Dependent Activation and Cold Sensitization of Human Transient Receptor Potential Ankyrin 1 Channel by High and Low Oxaliplatin. Frontiers in Physiology, 2017, 8, 878.	1.3	21
65	TRP channels in oxygen physiology: distinctive functional properties and roles of TRPA1 in O₂ sensing. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2017, 93, 464-482.	1.6	20
66	Integrative Approach with Electrophysiological and Theoretical Methods Reveals a New Role of S4 Positively Charged Residues in PKD2L1 Channel Voltage-Sensing. Scientific Reports, 2017, 7, 9760.	1.6	7
67	TRPC3-Nox2 complex mediates doxorubicin-induced myocardial atrophy. JCI Insight, 2017, 2, .	2.3	50
68	Mast cell hyperactivity underpins the development of oxygen-induced retinopathy. Journal of Clinical Investigation, 2017, 127, 3987-4000.	3.9	24
69	Hypoxia-induced sensitisation of TRPA1 in painful dysesthesia evoked by transient hindlimb ischemia/reperfusion in mice. Scientific Reports, 2016, 6, 23261.	1.6	35
70	TRPC3-GEF-H1 axis mediates pressure overload-induced cardiac fibrosis. Scientific Reports, 2016, 6, 39383.	1.6	60
71	Cold sensitivity of TRPA1 is unveiled by the prolyl hydroxylation blockade-induced sensitization to ROS. Nature Communications, 2016, 7, 12840.	5.8	83
72	Identification of a prostaglandin D2 metabolite as a neuritogenesis enhancer targeting the TRPV1 ion channel. Scientific Reports, 2016, 6, 21261.	1.6	18

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73	Functional and Structural Divergence in Human TRPV1 Channel Subunits by Oxidative Cysteine Modification. Journal of Biological Chemistry, 2016, 291, 4197-4210.	1.6	52
74	Oxygen physiology: sensors and ion channels. Pflugers Archiv European Journal of Physiology, 2016, 468, 1-2.	1.3	2
75	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. Scientific Reports, 2016, 6, 30013.	1.6	34
76	Role of transient receptor potential melastatin 2 (TRPM2) channels in visceral nociception and hypersensitivity. Experimental Neurology, 2016, 285, 41-50.	2.0	23
77	TRPC3 positively regulates reactive oxygen species driving maladaptive cardiac remodeling. Scientific Reports, 2016, 6, 37001.	1.6	80
78	Inhibitory effects of Tyrphostin AG-related compounds on oxidative stress-sensitive transient receptor potential channel activation. European Journal of Pharmacology, 2016, 786, 19-28.	1.7	18
79	TRPC3 amplifies B-cell receptor-induced ERK signalling via protein kinase D-dependent Rap1 activation. Biochemical Journal, 2016, 473, 201-210.	1.7	6
80	TRPM2 channels in alveolar epithelial cells mediate bleomycin-induced lung inflammation. Free Radical Biology and Medicine, 2016, 90, 101-113.	1.3	25
81	Optical control of neuronal firing via photoinduced electron transfer in donorâ€“acceptor conjugates. Chemical Science, 2016, 7, 3331-3337.	3.7	25
82	Sensing of redox status by TRP channels. Cell Calcium, 2016, 60, 115-122.	1.1	83
83	Structureâ€“activity relations of leucine derivatives reveal critical moieties for cellular uptake and activation of mTORC1-mediated signaling. Amino Acids, 2016, 48, 1045-1058.	1.2	51
84	Redox-sensitive transient receptor potential channels in oxygen sensing and adaptation. Pflugers Archiv European Journal of Physiology, 2016, 468, 85-97.	1.3	45
85	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surfaceâ€Engineered Plasmonic Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 11725-11729.	7.2	96
86	Comprehensive behavioral analysis of voltage-gated calcium channel beta-anchoring and -regulatory protein knockout mice. Frontiers in Behavioral Neuroscience, 2015, 9, 141.	1.0	32
87	TRPV4 Channel Activity Is Modulated by Direct Interaction of the Ankyrin Domain to PI(4,5)P₂. Seibutsu Butsuri, 2015, 55, 262-265.	0.0	0
88	The Transient Receptor Potential Melastatin 2 (TRPM2) Channel Contributes to Î²-Amyloid Oligomer-Related Neurotoxicity and Memory Impairment. Journal of Neuroscience, 2015, 35, 15157-15169.	1.7	110
89	Involvement of TRPM2 in a wide range of inflammatory and neuropathic pain mouse models. Journal of Pharmacological Sciences, 2015, 127, 237-243.	1.1	31
90	Dynamics of receptor-operated Ca2+ currents through TRPC channels controlled via the PI(4,5)P2-PLC signaling pathway. Frontiers in Pharmacology, 2015, 6, 22.	1.6	22

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91	Transient receptor potential channel M2 contributes to neointimal hyperplasia in vascular walls. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1360-1371.	1.8	10
92	Rab3 interacting molecule 3 mutations associated with autism alter regulation of voltage-dependent Ca2+ channels. Cell Calcium, 2015, 58, 296-306.	1.1	14
93	Sensitization of H2O2-induced TRPM2 activation and subsequent interleukin-8 (CXCL8) production by intracellular Fe2+ in human monocytic U937 cells. International Journal of Biochemistry and Cell Biology, 2015, 68, 119-127.	1.2	15
94	Validating subcellular thermal changes revealed by fluorescent thermosensors. Nature Methods, 2015, 12, 801-802.	9.0	76
95	Fluorescent sensors reveal subcellular thermal changes. Current Opinion in Biotechnology, 2015, 31, 57-64.	3.3	35
96	Deciphering Subtype-Selective Modulations in TRPA1 Biosensor Channels. Current Neuropharmacology, 2015, 13, 266-278.	1.4	8
97	Current studies and possibilities of cation/Ca²⁺ channels as a target of pestisides. Japanese Journal of Pesticide Science, 2015, 40, 68-74.	0.0	0
98	Visualization of Intracellular Temperature Distribution Using A Thermoresponsive Fluorescent Protein. Seibutsu Butsuri, 2014, 54, 253-256.	0.0	0
99	TRPV4 channel activity is modulated by direct interaction of the ankyrin domain to PI(4,5)P2. Nature Communications, 2014, 5, 4994.	5.8	97
100	Inhibitory effects of AG490 on H2O2-induced TRPM2-mediated Ca2+ entry. European Journal of Pharmacology, 2014, 742, 22-30.	1.7	20
101	TRPM2 contributes to LPS/IFNÎ³-induced production of nitric oxide via the p38/JNK pathway in microglia. Biochemical and Biophysical Research Communications, 2014, 444, 212-217.	1.0	58
102	TRPM2 links oxidative stress to the NLRP3 inflammasome activation (P1268). Journal of Immunology, 2013, 190, .	0.4	3
103	Receptor Signaling Integration by TRP Channelsomes. Advances in Experimental Medicine and Biology, 2011, 704, 373-389.	0.8	9
104	Transportsomes and channelsomes: Are they functional units for physiological responses?. Channels, 2011, 5, 387-390.	1.5	6
105	Molecular basis for species-selective insecticidal actitiy of flubendiamide. Journal of Pesticide Sciences, 2011, 36, 102-105.	0.8	0
106	Tetrameric Orai1 Is a Teardrop-shaped Molecule with a Long, Tapered Cytoplasmic Domain. Journal of Biological Chemistry, 2009, 284, 13676-13685.	1.6	77
107	3P-005 3D structure of tetrameric Orai1 channel; a teardrop-shaped structure with a long, tapered cytoplasmic domain(Protein:Structure,The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S151.	0.0	0
108	Calcium channel Î²-subunit binds to a conserved motif in the Iâ€“II cytoplasmic linker of the Î±1-subunit. Nature, 1994, 368, 67-70.	13.7	626

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109	Mapping of Non-methylated and Methylated Restriction Sites in the Promoter Region of the Maize Gene for Phosphoenolpyruvate Carboxylase Involved in C4Photosynthesis. Agricultural and Biological Chemistry, 1991, 55, 2877-2879.	0.3	0