

# Yasuo Mori

## 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.

103  
papers

2,471  
citations

27  
h-index

47  
g-index

113  
ext. papers

3,102  
ext. citations

6.9  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
103	Cell-autonomous control of intracellular temperature by unsaturation of phospholipid acyl chains.. <i>Cell Reports</i> , <b>2022</b> , 38, 110487	10.6	1
102	Determination of the physiological range of oxygen tension in bone marrow monocytes using two-photon phosphorescence lifetime imaging microscopy.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3497	4.9	0
101	TRPM2 deficiency in mice protects against atherosclerosis by inhibiting TRPM2-CD36 inflammatory axis in macrophages. <b>2022</b> , 1, 344-360		0
100	Hippocampus-related cognitive disorders develop in the absence of epilepsy and ataxia in the heterozygous mutant mice .. <i>Channels</i> , <b>2022</b> , 16, 113-126	3	
99	Activation of Astrocytes in the Persistence of Post-hypoxic Respiratory Augmentation. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 757731	4.6	0
98	Osteoclasts adapt to physioxia perturbation through DNA demethylation. <i>EMBO Reports</i> , <b>2021</b> , 22, e53085		2
97	TRPM7 is an essential regulator for volume-sensitive outwardly rectifying anion channel. <i>Communications Biology</i> , <b>2021</b> , 4, 599	6.7	2
96	Striatal TRPV1 activation by acetaminophen ameliorates dopamine D2 receptor antagonist-induced orofacial dyskinesia. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	1
95	V for versatility: TRPV4 Ca entry channel plays multiple roles in invadosome regulation. <i>Cell Calcium</i> , <b>2021</b> , 96, 102387	4	
94	Extreme deformability of insect cell membranes is governed by phospholipid scrambling. <i>Cell Reports</i> , <b>2021</b> , 35, 109219	10.6	5
93	Possible involvement of TRPM2 activation in 5-fluorouracil-induced myelosuppression in mice. <i>European Journal of Pharmacology</i> , <b>2021</b> , 891, 173671	5.3	4
92	Deficiency of the R1 subunit of protein kinase A causes body tremor and impaired fear conditioning memory in rats. <i>Scientific Reports</i> , <b>2021</b> , 11, 2039	4.9	1
91	Deletion of TRPC3 or TRPC6 Fails to Attenuate the Formation of Inflammation and Fibrosis in Non-alcoholic Steatohepatitis. <i>Biological and Pharmaceutical Bulletin</i> , <b>2021</b> , 44, 431-436	2.3	2
90	Deep-Red/Near-Infrared Turn-On Fluorescence Probes for Aldehyde Dehydrogenase 1A1 in Cancer Stem Cells. <i>ACS Sensors</i> , <b>2021</b> , 6, 3320-3329	9.2	2
89	MrgprB4 in trigeminal neurons expressing TRPA1 modulates unpleasant sensations. <i>Journal of Pharmacological Sciences</i> , <b>2021</b> , 146, 200-205	3.7	1
88	Fluorescence detection of the nitric oxide-induced structural change at the putative nitric oxide sensing segment of TRPC5. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115430	3.4	1
87	Structure determination of the human TRPV1 ankyrin-repeat domain under nonreducing conditions. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2020</b> , 76, 130-137	1.1	1

86	Transient receptor potential (TRP) channels: Biosensors for redox environmental stimuli and cellular status. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 146, 36-44	7.8	32
85	Variants That Affect Function of Calcium Channel TRPV6 Are Associated With Early-Onset Chronic Pancreatitis. <i>Gastroenterology</i> , <b>2020</b> , 158, 1626-1641.e8	13.3	32
84	Ryanodine receptor mutations (G4946E and I4790K) differentially responsible for diamide insecticide resistance in diamondback moth, <i>Plutella xylostella</i> L. <i>Insect Biochemistry and Molecular Biology</i> , <b>2020</b> , 118, 103308	4.5	20
83	Blockade of astrocytic activation delays the occurrence of severe hypoxia-induced seizure and respiratory arrest in mice. <i>Journal of Comparative Neurology</i> , <b>2020</b> , 528, 1257-1264	3.4	3
82	O-Dependent Protein Internalization Underlies Astrocytic Sensing of Acute Hypoxia by Restricting Multimodal TRPA1 Channel Responses. <i>Current Biology</i> , <b>2020</b> , 30, 3378-3396.e7	6.3	11
81	Transient Receptor Potential Ankyrin 1 Mediates Hypoxic Responses in Mice. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 576209	4.6	2
80	A Rapid Shift from Chronic Hyperoxia to Normoxia Induces Systemic Anaphylaxis via Transient Receptor Potential Ankyrin 1 Channels on Mast Cells. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2959-2967	5.3	2
79	ELKS/Voltage-Dependent Ca Channel-Subunit Module Regulates Polarized Ca Influx in Pancreatic Cells. <i>Cell Reports</i> , <b>2019</b> , 26, 1213-1226.e7	10.6	16
78	Cnm4 deficiency suppresses Ca signaling and promotes cell proliferation in the colon epithelia. <i>Oncogene</i> , <b>2019</b> , 38, 3962-3969	9.2	8
77	TRPC6 regulates phenotypic switching of vascular smooth muscle cells through plasma membrane potential-dependent coupling with PTEN. <i>FASEB Journal</i> , <b>2019</b> , 33, 9785-9796	0.9	14
76	Pathophysiological Role of TRPM2 in Age-Related Cognitive Impairment in Mice. <i>Neuroscience</i> , <b>2019</b> , 408, 204-213	3.9	9
75	Involvement of TRPM2 and TRPM8 in temperature-dependent masking behavior. <i>Scientific Reports</i> , <b>2019</b> , 9, 3706	4.9	4
74	TRPM7 channels mediate spontaneous Ca fluctuations in growth plate chondrocytes that promote bone development. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	15
73	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2019</b> , 92, 2-P-021	0	
72	Pathophysiological role of mitochondria-actin interactions in mouse hearts after myocardial infarction. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2019</b> , 92, 2-YIA-21	0	
71	Protective Effects of Duloxetine against Cerebral Ischemia-Reperfusion Injury via Transient Receptor Potential Melastatin 2 Inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2019</b> , 368, 246-254	4.7	9
70	"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". <i>Channels</i> , <b>2019</b> , 13, 1-16	3	8
69	TRPM2 confers susceptibility to social stress but is essential for behavioral flexibility. <i>Brain Research</i> , <b>2019</b> , 1704, 68-77	3.7	6

68	TRPM2 Channel Aggravates CNS Inflammation and Cognitive Impairment via Activation of Microglia in Chronic Cerebral Hypoperfusion. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 3520-3533	6.6	52
67	TRPM2 Mediates Neutrophil Killing of Disseminated Tumor Cells. <i>Cancer Research</i> , <b>2018</b> , 78, 2680-2690	10.1	62
66	In vitro and in vivo characterization of modulation of the vacuolar cation channel TRPY1 from <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , <b>2018</b> , 285, 1146-1161	5.7	9
65	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K Channels. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2586-2591	16.4	24
64	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K+ Channels. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2616-2621	3.6	1
63	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of postoperative ileus. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, G104-G116	5.1	3
62	Cell surface flip-flop of phosphatidylserine is critical for PIEZO1-mediated myotube formation. <i>Nature Communications</i> , <b>2018</b> , 9, 2049	17.4	74
61	Unveiled cold sensitivity of TRPA1 by the prolyl hydroxylation inhibition-induced sensitization to ROS in oxaliplatin-induced acute peripheral neuropathy. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO2-2-42	0	
60	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of post-operative ileus. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, OR21-1	0	
59	Fluorescent imaging of in vivo H2O2 levels reveals contribution of oxidative microenvironment to tumor malignancy. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO2-10-36	0	
58	Spontaneous Ca <sup>2+</sup> fluctuations mediated by TRPM7 channels in growth plate chondrocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO1-4-31	0	
57	Protective effect of duloxetine against cerebral ischemia-reperfusion injury through TRPM2 inhibition. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO2 <sup>0</sup> -1-14		
56	Decreased Brain pH as a Shared Endophenotype of Psychiatric Disorders. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 459-468	8.7	54
55	Hypoxia-induced interaction of filamin with Drp1 causes mitochondrial hyperfission-associated myocardial senescence. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	50
54	TRPM2 Exacerbates Central Nervous System Inflammation in Experimental Autoimmune Encephalomyelitis by Increasing Production of CXCL2 Chemokines. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 8484-8495	6.6	14
53	Cancer Cells Co-opt the Neuronal Redox-Sensing Channel TRPA1 to Promote Oxidative-Stress Tolerance. <i>Cancer Cell</i> , <b>2018</b> , 33, 985-1003.e7	24.3	113
52	Radiation inhibits salivary gland function by promoting STIM1 cleavage by caspase-3 and loss of SOCE through a TRPM2-dependent pathway. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	25
51	The $\beta$ subunit of the voltage-gated calcium channel (Cacnb4) regulates the rate of cell proliferation in Chinese Hamster Ovary cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2017</b> , 89, 57-70	5.6	7

50	Down-regulation of the Wnt/ $\beta$ -catenin signaling pathway by Cacnb4. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 3699-3708	3.5	10
49	TRP channels in oxygen physiology: distinctive functional properties and roles of TRPA1 in O sensing. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2017</b> , 93, 464-482	4	13
48	Integrative Approach with Electrophysiological and Theoretical Methods Reveals a New Role of S4 Positively Charged Residues in PKD2L1 Channel Voltage-Sensing. <i>Scientific Reports</i> , <b>2017</b> , 7, 9760	4.9	4
47	TRPC3-Nox2 complex mediates doxorubicin-induced myocardial atrophy. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	33
46	Strategy to Attain Remarkably High Photoinduced Charge-Separation Yield of Donor-Acceptor Linked Molecules in Biological Environment via Modulating Their Cationic Moieties. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17457-17465	3.8	10
45	Transient receptor potential melastatin 2 channels (TRPM2) mediate neonatal hypoxic-ischemic brain injury in mice. <i>Experimental Neurology</i> , <b>2017</b> , 296, 32-40	5.7	36
44	Distinct Mechanism of Cysteine Oxidation-Dependent Activation and Cold Sensitization of Human Transient Receptor Potential Ankyrin 1 Channel by High and Low Oxaliplatin. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 878	4.6	19
43	Mast cell hyperactivity underpins the development of oxygen-induced retinopathy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3987-4000	15.9	20
42	Redox-sensitive transient receptor potential channels in oxygen sensing and adaptation. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2016</b> , 468, 85-97	4.6	35
41	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. <i>Scientific Reports</i> , <b>2016</b> , 6, 30013	4.9	26
40	Role of transient receptor potential melastatin 2 (TRPM2) channels in visceral nociception and hypersensitivity. <i>Experimental Neurology</i> , <b>2016</b> , 285, 41-50	5.7	15
39	TRPC3 positively regulates reactive oxygen species driving maladaptive cardiac remodeling. <i>Scientific Reports</i> , <b>2016</b> , 6, 37001	4.9	57
38	Inhibitory effects of Tyrphostin AG-related compounds on oxidative stress-sensitive transient receptor potential channel activation. <i>European Journal of Pharmacology</i> , <b>2016</b> , 786, 19-28	5.3	16
37	TRPC3 amplifies B-cell receptor-induced ERK signalling via protein kinase D-dependent Rap1 activation. <i>Biochemical Journal</i> , <b>2016</b> , 473, 201-10	3.8	4
36	TRPM2 channels in alveolar epithelial cells mediate bleomycin-induced lung inflammation. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 90, 101-13	7.8	19
35	Optical control of neuronal firing photoinduced electron transfer in donor-acceptor conjugates. <i>Chemical Science</i> , <b>2016</b> , 7, 3331-3337	9.4	20
34	Sensing of redox status by TRP channels. <i>Cell Calcium</i> , <b>2016</b> , 60, 115-22	4	61
33	Structure-activity relations of leucine derivatives reveal critical moieties for cellular uptake and activation of mTORC1-mediated signaling. <i>Amino Acids</i> , <b>2016</b> , 48, 1045-1058	3.5	38

32	Hypoxia-induced sensitisation of TRPA1 in painful dysesthesia evoked by transient hindlimb ischemia/reperfusion in mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 23261	4.9	24
31	TRPC3-GEF-H1 axis mediates pressure overload-induced cardiac fibrosis. <i>Scientific Reports</i> , <b>2016</b> , 6, 39387	4.9	43
30	Cold sensitivity of TRPA1 is unveiled by the prolyl hydroxylation blockade-induced sensitization to ROS. <i>Nature Communications</i> , <b>2016</b> , 7, 12840	17.4	59
29	Identification of a prostaglandin D2 metabolite as a neuritogenesis enhancer targeting the TRPV1 ion channel. <i>Scientific Reports</i> , <b>2016</b> , 6, 21261	4.9	14
28	Functional and Structural Divergence in Human TRPV1 Channel Subunits by Oxidative Cysteine Modification. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 4197-210	5.4	38
27	Oxygen physiology: sensors and ion channels. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2016</b> , 468, 1-2	4.6	1
26	Dynamics of receptor-operated Ca(2+) currents through TRPC channels controlled via the PI(4,5)P2-PLC signaling pathway. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 22	5.6	15
25	Transient receptor potential channel M2 contributes to neointimal hyperplasia in vascular walls. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2015</b> , 1852, 1360-71	6.9	6
24	Rab3 interacting molecule 3 mutations associated with autism alter regulation of voltage-dependent Ca <sup>2+</sup> channels. <i>Cell Calcium</i> , <b>2015</b> , 58, 296-306	4	6
23	Sensitization of H2O2-induced TRPM2 activation and subsequent interleukin-8 (CXCL8) production by intracellular Fe(2+) in human monocytic U937 cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2015</b> , 68, 119-27	5.6	12
22	Validating subcellular thermal changes revealed by fluorescent thermosensors. <i>Nature Methods</i> , <b>2015</b> , 12, 801-2	21.6	57
21	Fluorescent sensors reveal subcellular thermal changes. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 31, 57-64	11.4	30
20	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11725-9	16.4	67
19	Thermosensitive Ion Channel Activation in Single Neuronal Cells by Using Surface-Engineered Plasmonic Nanoparticles. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11891-11895	3.6	5
18	Comprehensive behavioral analysis of voltage-gated calcium channel beta-anchoring and -regulatory protein knockout mice. <i>Frontiers in Behavioral Neuroscience</i> , <b>2015</b> , 9, 141	3.5	29
17	TRPV4 Channel Activity Is Modulated by Direct Interaction of the Ankyrin Domain to PI(4,5)P2. <i>Seibutsu Butsuri</i> , <b>2015</b> , 55, 262-265	0	
16	The Transient Receptor Potential Melastatin 2 (TRPM2) Channel Contributes to $\beta$ -Amyloid Oligomer-Related Neurotoxicity and Memory Impairment. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 15157-69	6.6	82
15	Involvement of TRPM2 in a wide range of inflammatory and neuropathic pain mouse models. <i>Journal of Pharmacological Sciences</i> , <b>2015</b> , 127, 237-43	3.7	27

14	Deciphering Subtype-Selective Modulations in TRPA1 Biosensor Channels. <i>Current Neuropharmacology</i> , <b>2015</b> , 13, 266-78	7.6	8
13	Current studies and possibilities of cation/Ca <sup>2+</sup> channels as a target of pesticides. <i>Japanese Journal of Pesticide Science</i> , <b>2015</b> , 40, 68-74	0	
12	TRPV4 channel activity is modulated by direct interaction of the ankyrin domain to PI(4,5)P <sub>2</sub> <i>Nature Communications</i> , <b>2014</b> , 5, 4994	17.4	69
11	Inhibitory effects of AG490 on H <sub>2</sub> O <sub>2</sub> -induced TRPM2-mediated Ca <sup>2+</sup> entry. <i>European Journal of Pharmacology</i> , <b>2014</b> , 742, 22-30	5.3	18
10	TRPM2 contributes to LPS/IFN $\gamma$ -induced production of nitric oxide via the p38/JNK pathway in microglia. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 444, 212-7	3.4	45
9	Visualization of Intracellular Temperature Distribution Using A Thermoresponsive Fluorescent Protein. <i>Seibutsu Butsuri</i> , <b>2014</b> , 54, 253-256	0	
8	TRPM2 links oxidative stress to the NLRP3 inflammasome activation (P1268). <i>Journal of Immunology</i> , <b>2013</b> , 190,	5.3	3
7	Receptor signaling integration by TRP channelsomes. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 704, 373-89	3.6	8
6	Transportsomes and channelsomes: are they functional units for physiological responses?. <i>Channels</i> , <b>2011</b> , 5, 387-90	3	6
5	Molecular basis for species-selective insecticidal activity of flubendiamide. <i>Journal of Pesticide Sciences</i> , <b>2011</b> , 36, 102-105	2.7	
4	Tetrameric Orai1 is a teardrop-shaped molecule with a long, tapered cytoplasmic domain. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 13676-13685	5.4	71
3	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). <i>Seibutsu Butsuri</i> , <b>2009</b> , 49, S151	0	
2	Calcium channel beta-subunit binds to a conserved motif in the I-II cytoplasmic linker of the alpha 1-subunit. <i>Nature</i> , <b>1994</b> , 368, 67-70	50.4	582
1	Mapping of Non-methylated and Methylated Restriction Sites in the Promoter Region of the Maize Gene for Phosphoenolpyruvate Carboxylase Involved in C4 Photosynthesis. <i>Agricultural and Biological Chemistry</i> , <b>1991</b> , 55, 2877-2879		