

# Man-Kyo Chung

## List of Publications by Citations

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45  
papers

2,102  
citations

23  
h-index

45  
g-index

50  
ext. papers

2,389  
ext. citations

5.4  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
45	TRPV1 shows dynamic ionic selectivity during agonist stimulation. <i>Nature Neuroscience</i> , <b>2008</b> , 11, 555-642	5.5	256
44	2-aminoethoxydiphenyl borate activates and sensitizes the heat-gated ion channel TRPV3. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 5177-82	6.6	244
43	TRPV3 and TRPV4 mediate warmth-evoked currents in primary mouse keratinocytes. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 21569-75	5.4	239
42	Warm temperatures activate TRPV4 in mouse 308 keratinocytes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 32037-46	5.4	209
41	Overexpressed transient receptor potential vanilloid 3 ion channels in skin keratinocytes modulate pain sensitivity via prostaglandin E2. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 13727-37	6.6	150
40	Biphasic currents evoked by chemical or thermal activation of the heat-gated ion channel, TRPV3. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 15928-41	5.4	113
39	Role of TRP channels in pain sensation. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 704, 615-36	3.6	73
38	Lipopolysaccharide-induced pulpitis up-regulates TRPV1 in trigeminal ganglia. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 1103-7	8.1	63
37	The role of TRPA1 in muscle pain and mechanical hypersensitivity under inflammatory conditions in rats. <i>Neuroscience</i> , <b>2015</b> , 310, 206-15	3.9	48
36	Voltage-dependent sodium and calcium currents in acutely isolated adult rat trigeminal root ganglion neurons. <i>Journal of Neurophysiology</i> , <b>1999</b> , 81, 1123-34	3.2	47
35	Modality-specific mechanisms of protein kinase C-induced hypersensitivity of TRPV1: S800 is a polymodal sensitization site. <i>Pain</i> , <b>2015</b> , 156, 931-941	8	45
34	Functional interactions between NMDA receptors and TRPV1 in trigeminal sensory neurons mediate mechanical hyperalgesia in the rat masseter muscle. <i>Pain</i> , <b>2012</b> , 153, 1514-1524	8	45
33	Use of Capsaicin to Treat Pain: Mechanistic and Therapeutic Considerations. <i>Pharmaceuticals</i> , <b>2016</b> , 9,	5.2	44
32	TRP channel knockout mice lose their cool. <i>Neuron</i> , <b>2007</b> , 54, 345-7	13.9	35
31	Role of the outer pore domain in transient receptor potential vanilloid 1 dynamic permeability to large cations. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 5707-24	5.4	34
30	Carboxyl-terminal domain of transient receptor potential vanilloid 1 contains distinct segments differentially involved in capsaicin- and heat-induced desensitization. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 35690-702	5.4	32
29	Warmth suppresses and desensitizes damage-sensing ion channel TRPA1. <i>Molecular Pain</i> , <b>2012</b> , 8, 22	3.4	32

28	The role of TRPM2 in hydrogen peroxide-induced expression of inflammatory cytokine and chemokine in rat trigeminal ganglia. <i>Neuroscience</i> , <b>2015</b> , 297, 160-9	3.9	31
27	Activation of NMDA receptors leads to phosphorylation of TRPV1 S800 by protein kinase C and A-Kinase anchoring protein 150 in rat trigeminal ganglia. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 424, 358-63	3.4	28
26	Transcriptome analysis of trigeminal ganglia following masseter muscle inflammation in rats. <i>Molecular Pain</i> , <b>2016</b> , 12,	3.4	28
25	Peripheral group I metabotropic glutamate receptor activation leads to muscle mechanical hyperalgesia through TRPV1 phosphorylation in the rat. <i>Journal of Pain</i> , <b>2015</b> , 16, 67-76	5.2	25
24	Roles of TRPV1 and TRPA1 in Spontaneous Pain from Inflamed Masseter Muscle. <i>Neuroscience</i> , <b>2018</b> , 384, 290-299	3.9	24
23	Projection of non-peptidergic afferents to mouse tooth pulp. <i>Journal of Dental Research</i> , <b>2012</b> , 91, 777-821	2.4	24
22	Ca and calpain mediate capsaicin-induced ablation of axonal terminals expressing transient receptor potential vanilloid 1. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 8291-8303	5.4	21
21	Androgen receptor transcriptionally regulates Ebpioid receptor expression in rat trigeminal ganglia. <i>Neuroscience</i> , <b>2016</b> , 331, 52-61	3.9	21
20	Peripheral G protein-coupled inwardly rectifying potassium channels are involved in Ebpioid receptor-mediated anti-hyperalgesia in rat masseter muscle. <i>European Journal of Pain</i> , <b>2014</b> , 18, 29-38	3.7	20
19	The role of androgen receptor in transcriptional modulation of cannabinoid receptor type 1 gene in rat trigeminal ganglia. <i>Neuroscience</i> , <b>2013</b> , 254, 395-403	3.9	20
18	Spontaneous and Bite-Evoked Muscle Pain Are Mediated by a Common Nociceptive Pathway With Differential Contribution by TRPV1. <i>Journal of Pain</i> , <b>2017</b> , 18, 1333-1345	5.2	19
17	Phosphorylation of TRPV1 S801 Contributes to Modality-Specific Hyperalgesia in Mice. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 9954-9966	6.6	19
16	Cold suppresses agonist-induced activation of TRPV1. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 1098-102	8.1	15
15	Agonist-dependence of functional properties for common nonsynonymous variants of human transient receptor potential vanilloid 1. <i>Pain</i> , <b>2016</b> , 157, 1515-1524	8	14
14	Targeting TRPV3 for the Development of Novel Analgesics. <i>Open Pain Journal</i> , <b>2013</b> , 6, 119-126	0.3	14
13	TRPV1 and TRPV1-Expressing Nociceptors Mediate Orofacial Pain Behaviors in a Mouse Model of Orthodontic Tooth Movement. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1207	4.6	13
12	Phosphorylation of the Transient Receptor Potential Ankyrin 1 by Cyclin-dependent Kinase 5 affects Chemo-nociception. <i>Scientific Reports</i> , <b>2018</b> , 8, 1177	4.9	11
11	Fight fire with fire: Neurobiology of capsaicin-induced analgesia for chronic pain. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 220, 107743	13.9	10

10	Ablation of TRPV1+ Afferent Terminals by Capsaicin Mediates Long-Lasting Analgesia for Trigeminal Neuropathic Pain. <i>ENeuro</i> , <b>2020</b> , 7,	3.9	8
9	Voluntary biting behavior as a functional measure of orofacial pain in mice. <i>Physiology and Behavior</i> , <b>2019</b> , 204, 129-139	3.5	7
8	Neural Pathways of Craniofacial Muscle Pain: Implications for Novel Treatments. <i>Journal of Dental Research</i> , <b>2020</b> , 99, 1004-1012	8.1	5
7	Peripheral glutamate receptor and transient receptor potential channel mechanisms of craniofacial muscle pain. <i>Molecular Pain</i> , <b>2020</b> , 16, 1744806920914204	3.4	5
6	Injectable Capsaicin for the Management of Pain Due to Osteoarthritis. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
5	Functional interactions between glutamate receptors and TRPV1 in trigeminal sensory neurons. <i>Molecular Pain</i> , <b>2014</b> , 10, O13	3.4	2
4	Orthodontic force induces nerve injury-like transcriptomic changes driven by TRPV1-expressing afferents in mouse trigeminal ganglia. <i>Molecular Pain</i> , <b>2020</b> , 16, 1744806920973141	3.4	2
3	Acute and Chronic Pain from Facial Skin and Oral Mucosa: Unique Neurobiology and Challenging Treatment. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
2	Insulin Secretion by $\beta$ Cell-Like Cells Derived from Pulp Stem Cells Depends on Augmented Cytosolic Zinc Levels than GABA Levels. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7476	2.6	0
1	Nociceptor Neurons Magnify Host Responses to Aggravate Periodontitis.. <i>Journal of Dental Research</i> , <b>2022</b> , 220345211069956	8.1	0