

Reza Sharif-Naeini

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,744
citations

279798

23
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

3647
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycystin-1 and -2 Dosage Regulates Pressure Sensing. <i>Cell</i> , 2009, 139, 587-596.	28.9	299
2	A heteromeric Texas coral snake toxin targets acid-sensing ion channels to produce pain. <i>Nature</i> , 2011, 479, 410-414.	27.8	295
3	An N-terminal variant of Trpv1 channel is required for osmosensory transduction. <i>Nature Neuroscience</i> , 2006, 9, 93-98.	14.8	283
4	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , 2017, 93, 822-839.e6.	8.1	250
5	Dorsal Horn Parvalbumin Neurons Are Gate-Keepers of Touch-Evoked Pain after Nerve Injury. <i>Cell Reports</i> , 2015, 13, 1246-1257.	6.4	248
6	Forebrain GABAergic Neuron Precursors Integrate into Adult Spinal Cord and Reduce Injury-Induced Neuropathic Pain. <i>Neuron</i> , 2012, 74, 663-675.	8.1	190
7	TACAN Is an Ion Channel Involved in Sensing Mechanical Pain. <i>Cell</i> , 2020, 180, 956-967.e17.	28.9	120
8	TRP channels and mechanosensory transduction: insights into the arterial myogenic response. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 456, 529-540.	2.8	86
9	The mechano-gated K2P channel TREK-1. <i>European Biophysics Journal</i> , 2009, 38, 293-303.	2.2	85
10	Primary Afferent and Spinal Cord Expression of Gastrin-Releasing Peptide: Message, Protein, and Antibody Concerns. <i>Journal of Neuroscience</i> , 2015, 35, 648-657.	3.6	83
11	TRPV1 Gene Required for Thermosensory Transduction and Anticipatory Secretion from Vasopressin Neurons during Hyperthermia. <i>Neuron</i> , 2008, 58, 179-185.	8.1	76
12	A mechanosensitive Ca ²⁺ channel activity is dependent on the developmental regulator DEK1. <i>Nature Communications</i> , 2017, 8, 1009.	12.8	70
13	Sensing pressure in the cardiovascular system: Gq-coupled mechanoreceptors and TRP channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 83-89.	1.9	68
14	Actin Filaments Mediate Mechanical Gating during Osmosensory Transduction in Rat Supraoptic Nucleus Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 4008-4013.	3.6	64
15	Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	61
16	Molecular basis of the mammalian pressure-sensitive ion channels: Focus on vascular mechanotransduction. <i>Progress in Biophysics and Molecular Biology</i> , 2008, 97, 180-195.	2.9	54
17	Osmotic and thermal control of magnocellular neurosecretory neurons – role of an N-terminal variant of <i>trpv1</i> . <i>European Journal of Neuroscience</i> , 2010, 32, 2022-2030.	2.6	54
18	Mechanoprotection by Polycystins against Apoptosis Is Mediated through the Opening of Stretch-Activated K2P Channels. <i>Cell Reports</i> , 2012, 1, 241-250.	6.4	54

#	ARTICLE	IF	CITATIONS
19	Neurophysiological characterization of mammalian osmosensitive neurones. <i>Experimental Physiology</i> , 2007, 92, 499-505.	2.0	48
20	Recruitment of Spinoparabrachial Neurons by Dorsal Horn Calretinin Neurons. <i>Cell Reports</i> , 2019, 28, 1429-1438.e4.	6.4	40
21	eIF2 \pm phosphorylation controls thermal nociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11949-11954.	7.1	37
22	Remodelling of spinal nociceptive mechanisms in an animal model of monoarthritis. <i>European Journal of Neuroscience</i> , 2005, 22, 2005-2015.	2.6	34
23	Mechanosensitive ion channels in articular nociceptors drive mechanical allodynia in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 2091-2099.	1.3	32
24	Dynamic regulation of TREK1 gating by Polycystin 2 via a Filamin A-mediated cytoskeletal Mechanism. <i>Scientific Reports</i> , 2017, 7, 17403.	3.3	16
25	Contribution of Mechanosensitive Ion Channels to Somatosensation. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 131, 53-71.	1.7	15
26	Differential Regulation of 6- and 7-Transmembrane Helix Variants of μ -Opioid Receptor in Response to Morphine Stimulation. <i>PLoS ONE</i> , 2015, 10, e0142826.	2.5	14
27	Mechanosensitive ion channels contribute to mechanically evoked rapid leaflet movement in <i>Mimosa pudica</i> . <i>Plant Physiology</i> , 2021, 187, 1704-1712.	4.8	13
28	Lionfish venom elicits pain predominantly through the activation of nonpeptidergic nociceptors. <i>Pain</i> , 2018, 159, 2255-2266.	4.2	11
29	Proteomic and Transcriptomic Techniques to Decipher the Molecular Evolution of Venoms. <i>Toxins</i> , 2021, 13, 154.	3.4	11
30	Neurophysiology of supraoptic neurons in C57/BL mice studied in three acute in vitro preparations. <i>Progress in Brain Research</i> , 2008, 170, 229-242.	1.4	10
31	Loss of SLC9A6/NHE6 impairs nociception in a mouse model of Christianson syndrome. <i>Pain</i> , 2020, 161, 2619-2628.	4.2	10
32	Role of mechanosensitive ion channels in the sensation of pain. <i>Journal of Neural Transmission</i> , 2020, 127, 407-414.	2.8	5
33	Bursting Enables GRP Neurons to Engage Spinal Itch Circuits. <i>Neuron</i> , 2019, 103, 5-7.	8.1	3
34	TRESK is a modality-specific brake on nociceptor excitability. <i>Journal of Physiology</i> , 2020, 598, 1423-1424.	2.9	1