Eric Lingueglia

List of Publications by Year
in descending order

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51 papers	5,538 citations	109321 35 h-index	175258 52 g-index
74 all docs	74 docs citations	74 times ranked	3036 citing authors

#	Article	IF	Citations
1	A Modulatory Subunit of Acid Sensing Ion Channels in Brain and Dorsal Root Ganglion Cells. Journal of Biological Chemistry, 1997, 272, 29778-29783.	3.4	469
2	Cloning of the amiloride-sensitive FMRFamide peptide-gated sodium channel. Nature, 1995, 378, 730-733.	27.8	393
3	ASIC3, a sensor of acidic and primary inflammatory pain. EMBO Journal, 2008, 27, 3047-3055.	7.8	362
4	Black mamba venom peptides target acid-sensing ion channels to abolish pain. Nature, 2012, 490, 552-555.	27.8	344
5	Expression cloning of an epithelial amiloride-sensitive Na+ channel. FEBS Letters, 1993, 318, 95-99.	2.8	331
6	Acid-Sensing Ion Channels (ASICs): Pharmacology and implication in pain. , 2010, 128, 549-558.		293
7	Acid-sensing Ion Channels in Sensory Perception. Journal of Biological Chemistry, 2007, 282, 17325-17329.	3.4	257
8	The lung amiloride-sensitive Na+ channel: biophysical properties, pharmacology, ontogenesis, and molecular cloning.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 247-251.	7.1	228
9	H+-Gated Cation Channelsa. Annals of the New York Academy of Sciences, 1999, 868, 67-76.	3.8	199
10	Zn2+ and H+ Are Coactivators of Acid-sensing Ion Channels. Journal of Biological Chemistry, 2001, 276, 35361-35367.	3.4	175
11	Acid-Sensing Ion Channels in Postoperative Pain. Journal of Neuroscience, 2011, 31, 6059-6066.	3.6	156
12	Acid-Sensing Ion Channels and nociception in the peripheral and central nervous systems. Neuropharmacology, 2015, 94, 49-57.	4.1	146
13	Pharmacology of acid-sensing ion channels â€“ Physiological and therapeutical perspectives. Neuropharmacology, 2015, 94, 19-35.	4.1	132
14	FMRFamide-gated sodium channel and ASIC channels: A new class of ionotropic receptors for FMRFamide and related peptides. Peptides, 2006, 27, 1138-1152.	2.4	116
15	Protein Kinase C Stimulates the Acid-sensing Ion Channel ASIC2a via the PDZ Domain-containing Protein PICK1. Journal of Biological Chemistry, 2002, 277, 50463-50468.	3.4	106
16	Effects of neuropeptide SF and related peptides on acid sensing ion channel 3 and sensory neuron excitability. Neuropharmacology, 2003, 44, 662-671.	4.1	106
17	Acid Sensing Ion Channels in Dorsal Spinal Cord Neurons. Journal of Neuroscience, 2008, 28, 1498-1508.	3.6	105
18	The Phe-Met-Arg-Phe-amide-activated Sodium Channel Is a Tetramer. Journal of Biological Chemistry, 1998, 273, 8317-8322.	3.4	100

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19	ASIC2b-dependent Regulation of ASIC3, an Essential Acid-sensing Ion Channel Subunit in Sensory Neurons via the Partner Protein PICK-1. Journal of Biological Chemistry, 2004, 279, 19531-19539.	3.4	96
20	Venom toxins in the exploration of molecular, physiological and pathophysiological functions of acid-sensing ion channels. Toxicon, 2013, 75, 187-204.	1.6	95
21	Asic3 is a neuronal mechanosensor for pressure-induced vasodilation that protects against pressure ulcers. Nature Medicine, 2012, 18, 1205-1207.	30.7	94
22	Cloning and functional expression of a novel degenerin-like Na+channel gene in mammals. Journal of Physiology, 1999, 519, 323-333.	2.9	83
23	Nonâ€acidic activation of painâ€related Acidâ€Sensing Ion Channel 3 by lipids. EMBO Journal, 2016, 35, 414-428.	7.8	79
24	The Pre-transmembrane 1 Domain of Acid-sensing Ion Channels Participates in the Ion Pore. Journal of Biological Chemistry, 1999, 274, 10129-10132.	3.4	78
25	Human kidney amiloride-binding protein: cDNA structure and functional expression.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7347-7351.	7.1	77
26	Human ASIC3 channel dynamically adapts its activity to sense the extracellular pH in both acidic and alkaline directions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13124-13129.	7.1	75
27	The Multivalent PDZ Domain-containing Protein CIPP Is a Partner of Acid-sensing Ion Channel 3 in Sensory Neurons. Journal of Biological Chemistry, 2002, 277, 16655-16661.	3.4	71
28	Molecular cloning, functional expression and chromosomal localization of an amiloride-sensitive Na+channel from human small intestine. FEBS Letters, 2000, 471, 205-210.	2.8	69
29	Structural Elements for the Generation of Sustained Currents by the Acid Pain Sensor ASIC3. Journal of Biological Chemistry, 2009, 284, 31851-31859.	3.4	57
30	Analgesic effects of mambalgin peptide inhibitors of acid-sensing ion channels in inflammatory and neuropathic pain. Pain, 2016, 157, 552-559.	4.2	57
31	Molecular cloning and functional expression of different molecular forms of rat amiloride-binding proteins. FEBS Journal, 1993, 216, 679-687.	0.2	56
32	A New Member of the Amiloride-Sensitive Sodium Channel Family inDrosophila melanogasterPeripheral Nervous System. Biochemical and Biophysical Research Communications, 1998, 246, 210-216.	2.1	50
33	Binding Site and Inhibitory Mechanism of the Mambalgin-2 Pain-relieving Peptide on Acid-sensing Ion Channel 1a. Journal of Biological Chemistry, 2014, 289, 13363-13373.	3.4	50
34	Acid-Sensing Ion Channel 3 in Retinal Function and Survival. , 2009, 50, 2417.		43
35	Mambalgin-1 Pain-relieving Peptide, Stepwise Solid-phase Synthesis, Crystal Structure, and Functional Domain for Acid-sensing Ion Channel 1a Inhibition. Journal of Biological Chemistry, 2016, 291, 2616-2629.	3.4	41
36	Effects of systemic inhibitors of acidâ€sensing ion channels 1 (ASIC1) against acute and chronic mechanical allodynia in a rodent model of migraine. British Journal of Pharmacology, 2018, 175, 4154-4166.	5.4	41

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37	Regulation of Sensory Neuron-specific Acid-sensing Ion Channel 3 by the Adaptor Protein Na+/H+ Exchanger Regulatory Factor-1. Journal of Biological Chemistry, 2006, 281, 1796-1807.	3.4	37
38	Current perspectives on acid-sensing ion channels: new advances and therapeutic implications. Expert Review of Clinical Pharmacology, 2010, 3, 331-346.	3.1	37
39	dGNaC1, a Gonad-specific Amiloride-sensitive Na+Channel. Journal of Biological Chemistry, 1998, 273, 9424-9429.	3.4	36
40	Exploration of the pore structure of a peptide-gated Na+ channel. EMBO Journal, 2001, 20, 5595-5602.	7.8	32
41	The Amiloride-Sensitive Na+ Channel: From Primary Structure to Function. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 118, 193-200.	0.6	28
42	Pharmacological modulation of Acid-Sensing Ion Channels 1a and 3 by amiloride and 2-guanidine-4-methylquinazoline (GMQ). Neuropharmacology, 2017, 125, 429-440.	4.1	28
43	Acid-Sensing Ion Channel 1a in the amygdala is involved in pain and anxiety-related behaviours associated with arthritis. Scientific Reports, 2017, 7, 43617.	3.3	21
44	Low cost venom extractor based on ArduinoÂ® board for electrical venom extraction from arthropods and other small animals. Toxicon, 2016, 118, 156-161.	1.6	17
45	Pharmacology of <scp>ASIC</scp> channels. Environmental Sciences Europe, 2013, 2, 155-171.	5.5	15
46	Lysophosphatidylcholine 16:0 mediates chronic joint pain associated to rheumatic diseases through acid-sensing ion channel 3. Pain, 2022, 163, 1999-2013.	4.2	13
47	Mambalgin-1 pain-relieving peptide locks the hinge between Î±4 and Î±5 helices to inhibit rat acid-sensing ion channel 1a. Neuropharmacology, 2021, 185, 108453.	4.1	10
48	C-Jun N-Terminal Kinase Post-Translational Regulation of Pain-Related Acid-Sensing Ion Channels 1b and 3. Journal of Neuroscience, 2021, 41, 8673-8685.	3.6	8
49	Single Subcutaneous Injection of Lysophosphatidyl-Choline Evokes ASIC3-Dependent Increases of Spinal Dorsal Horn Neuron Activity. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	5
50	Acid-Sensing Ion Channels in the nervous system. Neuropharmacology, 2015, 94, 1.	4.1	4
51	Acid-sensing ion channels (ASICs) in chronic pain. Douleur Et Analgesie, 2008, 21, 209-214.	0.1	1