Jin-Sung Choi

List of Publications by Year
in descending order

61 papers	2,576 citations	218592 26 h-index	197736 49 g-index
61 all docs	61 docs citations	61 times ranked	2665 citing authors

#	Article	IF	Citations
1	Gain of function Na_V1.7 mutations in idiopathic small fiber neuropathy. Annals of Neurology, 2012, 71, 26-39.	2.8	518
2	Evidence for a separate mechanism of toxicity for the Type I and the Type II pyrethroid insecticides. NeuroToxicology, 2009, 30, S17-S31.	1.4	161
3	Phosphorylation of Sodium Channel Na_v1.8 by p38 Mitogen-Activated Protein Kinase Increases Current Density in Dorsal Root Ganglion Neurons. Journal of Neuroscience, 2008, 28, 3190-3201.	1.7	156
4	ERK1/2 Mitogen-Activated Protein Kinase Phosphorylates Sodium Channel Na_v1.7 and Alters Its Gating Properties. Journal of Neuroscience, 2010, 30, 1637-1647.	1.7	149
5	Transfection of rat or mouse neurons by biolistics or electroporation. Nature Protocols, 2009, 4, 1118-1127.	5.5	110
6	Intra- and Interfamily Phenotypic Diversity in Pain Syndromes Associated with a Gain-of-Function Variant of Na_V1.7. Molecular Pain, 2011, 7, 1744-8069-7-92.	1.0	94
7	Structureâ€“activity relationships for the action of 11 pyrethroid insecticides on rat Nav1.8 sodium channels expressed in Xenopus oocytes. Toxicology and Applied Pharmacology, 2006, 211, 233-244.	1.3	91
8	A sodium channel gene SCN9A polymorphism that increases nociceptor excitability. Annals of Neurology, 2009, 66, 862-866.	2.8	91
9	Inherited erythermalgia: Limb pain from an S4 charge-neutral Na channelopathy. Neurology, 2006, 67, 1563-1567.	1.5	86
10	Differential Slow Inactivation and Use-Dependent Inhibition of Nav1.8 Channels Contribute to Distinct Firing Properties in IB4+ and IB4â^' DRG Neurons. Journal of Neurophysiology, 2007, 97, 1258-1265.	0.9	75
11	Mexiletine-responsive erythromelalgia due to a new Nav1.7 mutation showing use-dependent current fall-off. Experimental Neurology, 2009, 216, 383-389.	2.0	73
12	Physiological interactions between Na_v1.7 and Na_v1.8 sodium channels: a computer simulation study. Journal of Neurophysiology, 2011, 106, 3173-3184.	0.9	68
13	Paroxysmal extreme pain disorder: a molecular lesion of peripheral neurons. Nature Reviews Neurology, 2011, 7, 51-55.	4.9	57
14	Alternative splicing may contribute to time-dependent manifestation of inherited erythromelalgia. Brain, 2010, 133, 1823-1835.	3.7	56
15	Calmodulin Regulates Current Density and Frequency-Dependent Inhibition of Sodium Channel Nav1.8 in DRG Neurons. Journal of Neurophysiology, 2006, 96, 97-108.	0.9	44
16	Dendritic Spine Remodeling After Spinal Cord Injury Alters Neuronal Signal Processing. Journal of Neurophysiology, 2009, 102, 2396-2409.	0.9	44
17	Inhibition by fluoxetine of voltage-activated ion channels in rat PC12 cells. European Journal of Pharmacology, 1999, 367, 113-118.	1.7	40
18	Mechanism of block by fluoxetine of 5-hydroxytryptamine3 (5-HT3)-mediated currents in NCB-20 neuroblastoma cells. Biochemical Pharmacology, 2003, 66, 2125-2132.	2.0	39

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19	Effects of norfluoxetine, the major metabolite of fluoxetine, on the cloned neuronal potassium channel Kv3.1. Neuropharmacology, 2001, 41, 443-453.	2.0	38
20	Effects of (â˜')-epigallocatechin-3-gallate, the main component of green tea, on the cloned rat brain Kv1.5 potassium channels11Abbreviations: rKv1.5, rat brain Kv1.5; EGCG, (â˜')-epigallocatechin-3-gallate; CHO, Chinese hamster ovary; PKC, protein kinase C; PDGF, platelet-derived growth factor; and PTK, protein tyrosine kinase.. Biochemical Pharmacology, 2001, 62, 527-535.	2.0	38
21	Activation of intestinal olfactory receptor stimulates glucagon-like peptide-1 secretion in enteroendocrine cells and attenuates hyperglycemia in type 2 diabetic mice. Scientific Reports, 2017, 7, 13978.	1.6	37
22	Escitalopram block of hERG potassium channels. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 23-32.	1.4	36
23	Can robots patch-clamp as well as humans? Characterization of a novel sodium channel mutation. Journal of Physiology, 2010, 588, 1915-1927.	1.3	33
24	Fluoxetine inhibits A-type potassium currents in primary cultured rat hippocampal neurons. Brain Research, 2004, 1018, 201-207.	1.1	32
25	Inhibition of the cloned delayed rectifier K+ channels, Kv1.5 and Kv3.1, by riluzole. Neuroscience, 2005, 133, 1007-1019.	1.1	28
26	Cardiac glycosides display selective efficacy for STK11 mutant lung cancer. Scientific Reports, 2016, 6, 29721.	1.6	27
27	Inhibition of Kv1.3 channels by H-89 (N-[2- (p-bromocinnamylamino)ethyl]-5-isoquinolinesulfonamide) independent of protein kinase A11Abbreviations: AMP-PNP, 5â€²-adenylyl-imidodiphosphate; CHO, Chinese hamster ovary; H-89, N-[2-(p-bromocinnamylamino)ethyl]-5-isoquinolinesulfonamide; PKA, protein kinase A; PKC, protein kinase C; PKI 5-24, protein kinase A inhibitor 5-24; Rp-cAMPS, adenosine 3â€², 5â€²-cyclic phosphorothioate-Rp. Biochemical Pharmacology, 2001, 61, 1029-1032.	2.0	26
28	Direct inhibition of the cloned Kv1.5 channel by AG-1478, a tyrosine kinase inhibitor. American Journal of Physiology - Cell Physiology, 2002, 282, C1461-C1468.	2.1	24
29	Staurosporine directly blocks Kv1.3 channels expressed in Chinese hamster ovary cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1999, 359, 256-261.	1.4	23
30	Fluoxetine inhibits ATP-induced [Ca] increase in PC12 cells by inhibiting both extracellular Ca influx and Ca release from intracellular stores. Neuropharmacology, 2005, 49, 265-274.	2.0	22
31	Fluoxetine blocks cloned neuronal A-type K+ channels Kv1.4. NeuroReport, 2003, 14, 2451-2455.	0.6	20
32	Functional role of the C-terminus of voltage-gated sodium channel Nav1.8. FEBS Letters, 2004, 572, 256-260.	1.3	20
33	Kaempferol sensitizes cell proliferation inhibition in oxaliplatin-resistant colon cancer cells. Archives of Pharmacal Research, 2021, 44, 1091-1108.	2.7	19
34	Endoxifen, the active metabolite of tamoxifen, inhibits cloned hERG potassium channels. European Journal of Pharmacology, 2015, 752, 1-7.	1.7	17
35	Effects of donepezil on hERG potassium channels. Brain Research, 2015, 1597, 77-85.	1.1	17
36	Calcineurin-independent inhibition of KV1.3 by FK-506 (tacrolimus): a novel pharmacological property. American Journal of Physiology - Cell Physiology, 2007, 292, C1714-C1722.	2.1	13

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37	Coexpression with auxiliary Î² subunits modulates the action of tefluthrin on rat Nav1.6 and Nav1.3 sodium channels. Pesticide Biochemistry and Physiology, 2011, 101, 256-264.	1.6	12
38	Mini-review - Sodium channels and beyond in peripheral nerve disease: Modulation by cytokines and their effector protein kinases. Neuroscience Letters, 2021, 741, 135446.	1.0	12
39	HYP-17, a novel voltage-gated sodium channel blocker, relieves inflammatory and neuropathic pain in rats. Pharmacology Biochemistry and Behavior, 2017, 153, 116-129.	1.3	11
40	Effects of norquetiapine, the active metabolite of quetiapine, on cloned hERG potassium channels. Neuroscience Letters, 2018, 664, 66-73.	1.0	11
41	Effects of fluoxetine on cloned Kv4.3 potassium channels. Brain Research, 2013, 1500, 10-18.	1.1	10
42	Purification of small moleculeâ€induced cardiomyocytes from human induced pluripotent stem cells using a reporter system. Journal of Cellular Physiology, 2017, 232, 3384-3395.	2.0	10
43	FBXW7-mediated ERK3 degradation regulates the proliferation of lung cancer cells. Experimental and Molecular Medicine, 2022, 54, 35-46.	3.2	9
44	Duloxetine blocks cloned Kv4.3 potassium channels. Brain Research, 2012, 1466, 15-23.	1.1	8
45	Inhibition of cloned hERG potassium channels by risperidone and paliperidone. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 633-642.	1.4	8
46	Effects of cariprazine on hERG 1A and hERG 1A/3.1 potassium channels. European Journal of Pharmacology, 2019, 854, 92-100.	1.7	8
47	Cyclosporin A and deltamethrin block the downregulation of Nav1.8 sodium channels expressed in Xenopus oocytes. Neuroscience Letters, 2004, 367, 389-393.	1.0	7
48	Src regulates membrane trafficking of the Kv3.1b channel. FEBS Letters, 2014, 588, 86-91.	1.3	7
49	Identification and characterization of site-specific N-glycosylation in the potassium channel Kv3.1b. Journal of Cellular Physiology, 2018, 233, 549-558.	2.0	7
50	Effects of Ranolazine on Cloned Cardiac Kv4.3 Potassium Channels. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 952-958.	1.3	5
51	Mechanism of inhibition by olanzapine of cloned hERG potassium channels. Neuroscience Letters, 2015, 609, 97-102.	1.0	5
52	Open channel block of Kv1.4 potassium channels by aripiprazole. Korean Journal of Physiology and Pharmacology, 2020, 24, 545-553.	0.6	5
53	HYP-1, a novel diamide compound, relieves inflammatory and neuropathic pain in rats. Pharmacology Biochemistry and Behavior, 2012, 103, 33-42.	1.3	4
54	Trifluoperazine blocks the human cardiac sodium channel, Na v 1.5, independent of calmodulin. Biochemical and Biophysical Research Communications, 2016, 479, 584-589.	1.0	3

#	Article	IF	Citations
55	Mechanism of inhibition by chlorpromazine of the human pain threshold sodium channel, Nav1.7. Neuroscience Letters, 2017, 639, 1-7.	1.0	3
56	Acepromazine inhibits hERG potassium ion channels expressed in human embryonic kidney 293 cells. Korean Journal of Physiology and Pharmacology, 2017, 21, 75.	0.6	3
57	Inhibition of Kv4.3 potassium channels by trazodone. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 711-719.	1.4	2
58	Block of Kv4.3 potassium channel by trifluoperazine independent of CaMKII. Neuroscience Letters, 2014, 578, 159-164.	1.0	2
59	Norquetiapine blocks the human cardiac sodium channel Nav1.5 in a state-dependent manner. European Journal of Pharmacology, 2020, 885, 173532.	1.7	2
60	Differential use-dependent inactivation of Nav1.8 in the subpopulation of cultured dorsal root ganglion. Molecular and Cellular Toxicology, 2018, 14, 409-416.	0.8	0
61	Effects of iloperidone on hERG 1A/3.1 heterotetrameric channels. NeuroReport, 2021, Publish Ahead of Print, 1299-1306.	0.6	0