Gerald W. Zamponi

List of Publications by Year
in descending order

328	18,741	8755 75	18130 120
papers	citations	h-index	g-index

498	498	498	14787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Voltageâ€gated calcium channel nanodomains: molecular composition and function. FEBS Journal, 2022, 289, 614-633.	4.7	23
2	Regulation of CaV3.2 channels by the receptor for activated C kinase 1 (Rack-1). Pflugers Archiv European Journal of Physiology, 2022, 474, 447-454.	2.8	7
3	Trigeminal neuropathic pain causes changes in affective processing of pain in rats. Molecular Pain, 2022, 18, 174480692110577.	2.1	6
4	A Synthetically Accessible Small-Molecule Inhibitor of USP5-Cav3.2 Calcium Channel Interactions with Analgesic Properties. ACS Chemical Neuroscience, 2022, 13, 524-536.	3.5	12
5	Gut-innervating TRPV1+ Neurons Drive Chronic Visceral Pain via Microglial P2Y12 Receptor. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 977-999.	4.5	17
6	Subcellular localization of hippocampal ryanodine receptor 2 and its role in neuronal excitability and memory. Communications Biology, 2022, 5, 183.	4.4	12
7	Putative Synthetic Cannabinoids MEPIRAPIM, 5F-BEPIRAPIM (NNL-2), and Their Analogues Are T-Type Calcium Channel (Ca_V3) Inhibitors. ACS Chemical Neuroscience, 2022, 13, 1395-1409.	3.5	4
8	A molecular complex of Ca _v 1.2/CaMKK2/CaMK1a in caveolae is responsible for vascular remodeling via excitationâ€“transcription coupling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117435119.	7.1	15
9	CaV3.2 calcium channels contribute to trigeminal neuralgia. Pain, 2022, 163, 2315-2325.	4.2	22
10	Central and peripheral contributions of T-type calcium channels in pain. Molecular Brain, 2022, 15, 39.	2.6	27
11	CaÎ²-subunit dependence of forward and reverse trafficking of CaV1.2 calcium channels. Molecular Brain, 2022, 15, 43.	2.6	1
12	The calcium channel terminator: hasta la vista pain. Trends in Pharmacological Sciences, 2022, 43, 801-803.	8.7	3
13	Opioid Receptor Regulation of Neuronal Voltage-Gated Calcium Channels. Cellular and Molecular Neurobiology, 2021, 41, 839-847.	3.3	13
14	Rare functional missense variants in CACNA1H: What can we learn from Writerâ€™s cramp?. Molecular Brain, 2021, 14, 18.	2.6	3
15	The life cycle of voltage-gated Ca2+ channels in neurons: an update on the trafficking of neuronal calcium channels. Neuronal Signaling, 2021, 5, NS20200095.	3.2	14
16	The de novo CACNA1A pathogenic variant Y1384C associated with hemiplegic migraine, early onset cerebellar atrophy and developmental delay leads to a loss of Cav2.1 channel function. Molecular Brain, 2021, 14, 27.	2.6	12
17	The IL33 receptor ST2 contributes to mechanical hypersensitivity in mice with neuropathic pain. Molecular Brain, 2021, 14, 35.	2.6	5
18	Ethosuximide inhibits acute histamine- and chloroquine-induced scratching behavior in mice. Molecular Brain, 2021, 14, 46.	2.6	3

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19	Synthesis and Biological Evaluation of Novel Benzhydrylpiperazine-Coupled Nitrobenzenesulfonamide Hybrids. ACS Omega, 2021, 6, 9731-9740.	3.5	12
20	An orbitofrontal cortex to midbrain projection modulates hypersensitivity after peripheral nerve injury. Cell Reports, 2021, 35, 109033.	6.4	11
21	SUMO wrestling in the cellular dohyÅ crosstalk between phosphorylation and SUMOylation of PKCÎ´ regulates oxidative cell damage. FEBS Journal, 2021, 288, 6406-6409.	4.7	0
22	Mutation of copper binding sites on cellular prion protein abolishes its inhibitory action on NMDA receptors in mouse hippocampal neurons. Molecular Brain, 2021, 14, 117.	2.6	7
23	Modeling temperature- and Cav3 subtype-dependent alterations in T-type calcium channel mediated burst firing. Molecular Brain, 2021, 14, 115.	2.6	6
24	De novo SCN8A and inherited rare CACNA1H variants associated with severe developmental and epileptic encephalopathy. Molecular Brain, 2021, 14, 126.	2.6	6
25	Splice-variant specific effects of a CACNA1H mutation associated with writerâ€™s cramp. Molecular Brain, 2021, 14, 145.	2.6	2
26	Protocol for detecting plastic changes in defined neuronal populations in neuropathic mice. STAR Protocols, 2021, 2, 100698.	1.2	1
27	Structural optimization, synthesis and in vitro synergistic anticancer activities of combinations of new N3-substituted dihydropyrimidine calcium channel blockers with cisplatin and etoposide. Bioorganic Chemistry, 2021, 115, 105262.	4.1	7
28	A CACNA1A variant associated with trigeminal neuralgia alters the gating of Cav2.1 channels. Molecular Brain, 2021, 14, 4.	2.6	11
29	The terpenes camphene and alpha-bisabolol inhibit inflammatory and neuropathic pain via Cav3.2ÂT-type calcium channels. Molecular Brain, 2021, 14, 166.	2.6	16
30	Genetic T-type calcium channelopathies. Journal of Medical Genetics, 2020, 57, 1-10.	3.2	50
31	Trigeminal neuralgia: An overview from pathophysiology to pharmacological treatments. Molecular Pain, 2020, 16, 174480692090189.	2.1	153
32	Hyperactivity of Innate Immunity Triggers Pain via TLR2-IL-33-Mediated Neuroimmune Crosstalk. Cell Reports, 2020, 33, 108233.	6.4	29
33	Acute orofacial pain leads to prolonged changes in behavioral and affective pain components. Pain, 2020, 161, 2830-2840.	4.2	19
34	Functional identification of potential non-canonical N-glycosylation sites within Cav3.2ÂT-type calcium channels. Molecular Brain, 2020, 13, 149.	2.6	8
35	Cav3.2â€‰T-type calcium channels control acute itch in mice. Molecular Brain, 2020, 13, 119.	2.6	13
36	Pain: Integration of Sensory and Affective Aspects of Pain. Current Biology, 2020, 30, R393-R395.	3.9	8

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37	FMRP(1â€“297)-tat restores ion channel and synaptic function in a model of Fragile X syndrome. Nature Communications, 2020, 11, 2755.	12.8	19
38	A rare CACNA1H variant associated with amyotrophic lateral sclerosis causes complete loss of Cav3.2â€‰T-type channel activity. Molecular Brain, 2020, 13, 33.	2.6	14
39	Regulation of pain signaling by the innate immune system. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 2-S24-1.	0.0	0
40	Dopamine Inputs from the Ventral Tegmental Area into the Medial Prefrontal Cortex Modulate Neuropathic Pain-Associated Behaviors in Mice. Cell Reports, 2020, 31, 107812.	6.4	47
41	Synthesis and cytotoxic effects of 2-thio-3,4-dihydroquinazoline derivatives as novel T-type calcium channel blockers. Bioorganic and Medicinal Chemistry, 2020, 28, 115491.	3.0	5
42	Discovery of Michael acceptor containing 1,4-dihydropyridines as first covalent inhibitors of L-/T-type calcium channels. Bioorganic Chemistry, 2019, 91, 103187.	4.1	16
43	Interactions of Rabconnectin-3 with Cav2 calcium channels. Molecular Brain, 2019, 12, 62.	2.6	8
44	Tuning the regulator: Phosphorylation of KCC2 at two specific sites is critical for neurodevelopment. Science Signaling, 2019, 12, .	3.6	4
45	Peripheral nerve injury-induced alterations in VTA neuron firing properties. Molecular Brain, 2019, 12, 89.	2.6	26
46	Pathogenic Cav3.2 channel mutation in a child with primary generalized epilepsy. Molecular Brain, 2019, 12, 86.	2.6	11
47	Junctophilin Proteins Tether a Cav1-RyR2-KCa3.1 Tripartite Complex to Regulate Neuronal Excitability. Cell Reports, 2019, 28, 2427-2442.e6.	6.4	45
48	SUMOylation regulates USP5-Cav3.2 calcium channel interactions. Molecular Brain, 2019, 12, 73.	2.6	17
49	Ankyrin B and Ankyrin B variants differentially modulate intracellular and surface Cav2.1 levels. Molecular Brain, 2019, 12, 75.	2.6	14
50	A neuronal circuit for activating descending modulation of neuropathic pain. Nature Neuroscience, 2019, 22, 1659-1668.	14.8	185
51	T-Type Channel Druggability at a Crossroads. ACS Chemical Neuroscience, 2019, 10, 1124-1126.	3.5	28
52	Neuroimmune Responses Mediate Depression-Related Behaviors following Acute Colitis. IScience, 2019, 16, 12-21.	4.1	19
53	Identification of a molecular gating determinant within the carboxy terminal region of Cav3.3â€‰T-type channels. Molecular Brain, 2019, 12, 34.	2.6	7
54	Synthesis of some new C2 substituted dihydropyrimidines and their electrophysiological evaluation as L-/T-type calcium channel blockers. Bioorganic Chemistry, 2019, 88, 102915.	4.1	10

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55	Cav3.2 calcium channel interactions with the epithelial sodium channel ENaC. Molecular Brain, 2019, 12, 12.	2.6	11
56	Cav3.2 T-type calcium channels shape electrical firing in mouse Lamina II neurons. Scientific Reports, 2019, 9, 3112.	3.3	45
57	TNF-Î± mediated upregulation of NaV1.7 currents in rat dorsal root ganglion neurons is independent of CRMP2 SUMOylation. Molecular Brain, 2019, 12, 117.	2.6	23
58	Differential regulation of Cav2.2 channel exon 37 variants by alternatively spliced Î¼-opioid receptors. Molecular Brain, 2019, 12, 98.	2.6	12
59	Anxiolytic effects of the flavonoid luteolin in a mouse model of acute colitis. Molecular Brain, 2019, 12, 114.	2.6	24
60	Analgesic effects of optogenetic inhibition of basolateral amygdala inputs into the prefrontal cortex in nerve injured female mice. Molecular Brain, 2019, 12, 105.	2.6	9
61	A potential role for T-type calcium channels in homocysteinemia-induced peripheral neuropathy. Pain, 2019, 160, 2798-2810.	4.2	21
62	Betulinic acid, derived from the desert lavender Hyptis emoryi, attenuates paclitaxel-, HIV-, and nerve injuryâ€“associated peripheral sensory neuropathy via block of N- and T-type calcium channels. Pain, 2019, 160, 117-135.	4.2	44
63	T-type calcium channels: From molecule to therapeutic opportunities. International Journal of Biochemistry and Cell Biology, 2019, 108, 34-39.	2.8	73
64	Design, synthesis and pharmacological evaluation of some substituted dihydropyrimidines with L-/T-type calcium channel blocking activities. Bioorganic Chemistry, 2019, 83, 354-366.	4.1	19
65	Dopaminergic modulation of pain signals in the medial prefrontal cortex: Challenges and perspectives. Neuroscience Letters, 2019, 702, 71-76.	2.1	20
66	BK Potassium Channels Suppress CavÎ±2Î´ Subunit Function to Reduce Inflammatory and Neuropathic Pain. Cell Reports, 2018, 22, 1956-1964.	6.4	45
67	Recent advances in the development of Tâ€type calcium channel blockers for pain intervention. British Journal of Pharmacology, 2018, 175, 2375-2383.	5.4	93
68	Disrupting USP5/Cav3.2 interactions protects female mice from mechanical hypersensitivity during peripheral inflammation. Molecular Brain, 2018, 11, 60.	2.6	14
69	Differential modulation of NMDA and AMPA receptors by cellular prion protein and copper ions. Molecular Brain, 2018, 11, 62.	2.6	20
70	De Novo Pathogenic Variants in CACNA1E Cause Developmental and Epileptic Encephalopathy with Contractures, Macrocephaly, and Dyskinesias. American Journal of Human Genetics, 2018, 103, 666-678.	6.2	87
71	Binding mechanism investigations guiding the synthesis of novel condensed 1,4-dihydropyridine derivatives with L-/T-type calcium channel blocking activity. European Journal of Medicinal Chemistry, 2018, 155, 1-12.	5.5	34
72	T-type calcium channels functionally interact with spectrin (Î±/Î²) and ankyrin B. Molecular Brain, 2018, 11, 24.	2.6	31

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73	A Membrane Potential- and Calpain-Dependent Reversal of Caspase-1 Inhibition Regulates Canonical NLRP3 Inflammasome. Cell Reports, 2018, 24, 2356-2369.e5.	6.4	44
74	Selective inhibition of Ca _V 3.2 channels reverses hyperexcitability of peripheral nociceptors and alleviates postsurgical pain. Science Signaling, 2018, 11, .	3.6	48
75	Microglial pannexin-1 channel activation is a spinal determinant of joint pain. Science Advances, 2018, 4, eaas9846.	10.3	73
76	Cav3.1 overexpression is associated with negative characteristics and prognosis in non-small cell lung cancer. Oncotarget, 2018, 9, 8573-8583.	1.8	10
77	Voltage-gated calcium channels as molecular targets for pain therapeutics. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY19-2.	0.0	0
78	Blocking microglial pannexin-1 channels alleviates morphine withdrawal in rodents. Nature Medicine, 2017, 23, 355-360.	30.7	130
79	Carisbamate blockade of Tâ€type voltageâ€gated calcium channels. Epilepsia, 2017, 58, 617-626.	5.1	5
80	Synthesis and biological evaluation of novel N3- substituted dihydropyrimidine derivatives as T-type calcium channel blockers and their efficacy as analgesics in mouse models of inflammatory pain. Bioorganic and Medicinal Chemistry, 2017, 25, 1926-1938.	3.0	26
81	Down-regulation of T-type Cav3.2 channels by hyperpolarization-activated cyclic nucleotide-gated channel 1 (HCN1): Evidence of a signaling complex. Channels, 2017, 11, 434-443.	2.8	11
82	Synthesis of new N3- substituted dihydropyrimidine derivatives as L-/T- type calcium channel blockers. European Journal of Medicinal Chemistry, 2017, 134, 52-61.	5.5	16
83	N-type Ca2+ channels are affected by full-length mutant huntingtin expression in a mouse model of Huntington's disease. Neurobiology of Aging, 2017, 55, 1-10.	3.1	24
84	Activity-Dependent Facilitation of Ca_V1.3 Calcium Channels Promotes KCa3.1 Activation in Hippocampal Neurons. Journal of Neuroscience, 2017, 37, 11255-11270.	3.6	30
85	The Cacna1h mutation in the GAERS model of absence epilepsy enhances T-type Ca2+ currents by altering calnexin-dependent trafficking of Cav3.2 channels. Scientific Reports, 2017, 7, 11513.	3.3	35
86	Identification of interleukin-1 beta as a key mediator in the upregulation of Cav3.2â€“USP5 interactions in the pain pathway. Molecular Pain, 2017, 13, 174480691772469.	2.1	39
87	A Crash Course in Calcium Channels. ACS Chemical Neuroscience, 2017, 8, 2583-2585.	3.5	11
88	Synthesis and biological evaluation of fluoro-substituted 3,4-dihydroquinazoline derivatives for cytotoxic and analgesic effects. Bioorganic and Medicinal Chemistry, 2017, 25, 4656-4664.	3.0	8
89	Surfen is a broad-spectrum calcium channel inhibitor with analgesic properties in mouse models of acute and chronic inflammatory pain. Pflugers Archiv European Journal of Physiology, 2017, 469, 1325-1334.	2.8	2
90	Regulation of voltage gated calcium channels by GPCRs and post-translational modification. Current Opinion in Pharmacology, 2017, 32, 1-8.	3.5	35

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91	Block of voltage-gated calcium channels by peptide toxins. Neuropharmacology, 2017, 127, 109-115.	4.1	55
92	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	2.5	22
93	A T-type channel-calmodulin complex triggers Î±CaMKII activation. Molecular Brain, 2017, 10, 37.	2.6	22
94	Trafficking of neuronal calcium channels. Neuronal Signaling, 2017, 1, NS20160003.	3.2	21
95	Reduced Hyperpolarization-Activated Current Contributes to Enhanced Intrinsic Excitability in Cultured Hippocampal Neurons from PrPâ^'/â^' Mice. Frontiers in Cellular Neuroscience, 2016, 10, 74.	3.7	14
96	Synthesis and characterization of a disubstituted piperazine derivative with T-type channel blocking action and analgesic properties. Molecular Pain, 2016, 12, 174480691664167.	2.1	14
97	A cell-permeant peptide corresponding to the cUBP domain of USP5 reverses inflammatory and neuropathic pain. Molecular Pain, 2016, 12, 174480691664244.	2.1	39
98	Long-Term Potentiation at the Mossy Fiberâ€“Granule Cell Relay Invokes Postsynaptic Second-Messenger Regulation of Kv4 Channels. Journal of Neuroscience, 2016, 36, 11196-11207.	3.6	16
99	Cooperative roles of glucose and asparagine-linked glycosylation in T-type calcium channel expression. Pflugers Archiv European Journal of Physiology, 2016, 468, 1837-1851.	2.8	26
100	Effect of the T-type channel blocker KYS-05090S in mouse models of acute and neuropathic pain. Pflugers Archiv European Journal of Physiology, 2016, 468, 193-199.	2.8	23
101	Protein interactome mining defines melatonin <scp>MT</scp>₁ receptors as integral component of presynaptic protein complexes of neurons. Journal of Pineal Research, 2016, 60, 95-108.	7.4	42
102	Assessing the role of IKCa channels in generating the sAHP of CA1 hippocampal pyramidal cells. Channels, 2016, 10, 313-319.	2.8	22
103	Two heterozygous Cav3.2 channel mutations in a pediatric chronic pain patient: recording condition-dependent biophysical effects. Pflugers Archiv European Journal of Physiology, 2016, 468, 635-642.	2.8	20
104	Targeting voltage-gated calcium channels in neurological and psychiatric diseases. Nature Reviews Drug Discovery, 2016, 15, 19-34.	46.4	306
105	Voltage-Gated Ion Channels as Molecular Targets for Pain. , 2016, , 415-436.		1
106	Calcium Channel Signaling Complexes with Receptors and Channels. Current Molecular Pharmacology, 2015, 8, 8-11.	1.5	16
107	Solution NMR and calorimetric analysis of Rem2 binding to the Ca ²⁺ channel Î²4 subunit: a low affinity interaction is required for inhibition of Cav2.1 Ca ²⁺ currents. FASEB Journal, 2015, 29, 1794-1804.	0.5	6
108	IKCa Channels Are a Critical Determinant of the Slow AHP in CA1 Pyramidal Neurons. Cell Reports, 2015, 11, 175-182.	6.4	64

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109	All roads lead to presynaptic calcium channel inhibition by the ghrelin receptor: Separate agonist-dependent and -independent signaling pathways. Journal of General Physiology, 2015, 146, 201-204.	1.9	2
110	Tâ€types make your clock tick. Journal of Physiology, 2015, 593, 757-758.	2.9	0
111	Role of Prelimbic GABAergic Circuits in Sensory and Emotional Aspects of Neuropathic Pain. Cell Reports, 2015, 12, 752-759.	6.4	186
112	Small Organic Molecule Disruptors of Cav3.2 - USP5 Interactions Reverse Inflammatory and Neuropathic Pain. Molecular Pain, 2015, 11, s12990-015-0011.	2.1	69
113	Glutamate receptors function as scaffolds for the regulation of Î²-amyloid and cellular prion protein signaling complexes. Molecular Brain, 2015, 8, 18.	2.6	59
114	Analgesic effect of a broad-spectrum dihydropyridine inhibitor of voltage-gated calcium channels. Pflugers Archiv European Journal of Physiology, 2015, 467, 2485-2493.	2.8	33
115	Anticonvulsant mechanisms of piperine, a piperidine alkaloid. Channels, 2015, 9, 317-323.	2.8	62
116	Inhibitory effect of positively charged triazine antagonists of prokineticin receptors on the transient receptor vanilloid type-1 (TRPV1) channel. Pharmacological Research, 2015, 99, 362-369.	7.1	6
117	David Yue (1957â€“2014). Journal of Physiology, 2015, 593, 1325-1325.	2.9	0
118	Possible role of trace elements in epilepsy and febrile seizures: a meta-analysis. Nutrition Reviews, 2015, 73, 760-779.	5.8	54
119	The Physiology, Pathology, and Pharmacology of Voltage-Gated Calcium Channels and Their Future Therapeutic Potential. Pharmacological Reviews, 2015, 67, 821-870.	16.0	793
120	The Triggle effect. Biochemical Pharmacology, 2015, 98, 322-326.	4.4	2
121	RIM1/2-Mediated Facilitation of Cav1.4 Channel Opening Is Required for Ca²⁺-Stimulated Release in Mouse Rod Photoreceptors. Journal of Neuroscience, 2015, 35, 13133-13147.	3.6	43
122	Neuronal expression of the intermediate conductance calcium-activated potassium channel KCa3.1 in the mammalian central nervous system. Pflugers Archiv European Journal of Physiology, 2015, 467, 311-328.	2.8	35
123	1,4-Dihydropyridine derivatives with T-type calcium channel blocking activity attenuate inflammatory and neuropathic pain. Pflugers Archiv European Journal of Physiology, 2015, 467, 1237-1247.	2.8	40
124	Characterization of Novel Cannabinoid Based T-Type Calcium Channel Blockers with Analgesic Effects. ACS Chemical Neuroscience, 2015, 6, 277-287.	3.5	42
125	The Cav1.2ÂN terminus contains a CaM kinase site that modulates channel trafficking and function. Pflugers Archiv European Journal of Physiology, 2015, 467, 677-686.	2.8	14
126	Cellular prion protein and NMDA receptor modulation: protecting against excitotoxicity. Frontiers in Cell and Developmental Biology, 2014, 2, 45.	3.7	54

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127	The truth in complexes: perspectives on ion channel signaling nexuses in the nervous system. Frontiers in Cellular Neuroscience, 2014, 8, 406.	3.7	2
128	NMP-7 Inhibits Chronic Inflammatory and Neuropathic Pain via Block of Cav3.2 T-type Calcium Channels and Activation of CB2 Receptors. Molecular Pain, 2014, 10, 1744-8069-10-77.	2.1	32
129	The MAP1B-LC1/UBE2L3 complex catalyzes degradation of cell surface Ca_V2.2 channels. Channels, 2014, 8, 452-457.	2.8	13
130	The Tao of IGF-1: Insulin-Like Growth Factor Receptor Activation Increases Pain by Enhancing T-Type Calcium Channel Activity. Science Signaling, 2014, 7, pe23.	3.6	8
131	The amino terminus of high-voltage-activated calcium channels. Channels, 2014, 8, 370-375.	2.8	1
132	Kainate receptor activation induces glycine receptor endocytosis through PKC deSUMOylation. Nature Communications, 2014, 5, 4980.	12.8	46
133	T-type channels buddy up. Pflugers Archiv European Journal of Physiology, 2014, 466, 661-675.	2.8	35
134	CaV2.2 channel cell surface expression is regulated by the light chain 1 (LC1) of the microtubule-associated protein B (MAP1B) via UBE2L3-mediated ubiquitination and degradation. Pflugers Archiv European Journal of Physiology, 2014, 466, 2113-2126.	2.8	19
135	Synthesis and Evaluation of 1,4-Dihydropyridine Derivatives with Calcium Channel Blocking Activity. Pflugers Archiv European Journal of Physiology, 2014, 466, 1355-1363.	2.8	53
136	A novel calmodulin site in the Cav1.2 N-terminus regulates calcium-dependent inactivation. Pflugers Archiv European Journal of Physiology, 2014, 466, 1793-1803.	2.8	25
137	Regulating excitability of peripheral afferents: emerging ion channel targets. Nature Neuroscience, 2014, 17, 153-163.	14.8	361
138	The Deubiquitinating Enzyme USP5 Modulates Neuropathic and Inflammatory Pain by Enhancing Cav3.2 Channel Activity. Neuron, 2014, 83, 1144-1158.	8.1	197
139	The Expression Pattern of a Cav3-Kv4 Complex Differentially Regulates Spike Output in Cerebellar Granule Cells. Journal of Neuroscience, 2014, 34, 8800-8812.	3.6	28
140	Effect of the Brugada syndrome mutation A39V on calmodulin regulation of Cav1.2 channels. Molecular Brain, 2014, 7, 34.	2.6	11
141	Block of T-type calcium channels by protoxins I and II. Molecular Brain, 2014, 7, 36.	2.6	37
142	Calcium-Permeable Ion Channels in Pain Signaling. Physiological Reviews, 2014, 94, 81-140.	28.8	249
143	Neuronal Voltage-Gated Calcium Channels: Structure, Function, and Dysfunction. Neuron, 2014, 82, 24-45.	8.1	489
144	Analgesic Effect of a Mixed T-Type Channel Inhibitor/CB₂ Receptor Agonist. Molecular Pain, 2013, 9, 1744-8069-9-32.	2.1	36

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145	Surface expression and function of Cav3.2ÂT-type calcium channels are controlled by asparagine-linked glycosylation. Pflugers Archiv European Journal of Physiology, 2013, 465, 1159-1170.	2.8	92
146	TMEM16C cuts pain no SLACK. Nature Neuroscience, 2013, 16, 1165-1166.	14.8	3
147	Regulation of CaV2 calcium channels by G protein coupled receptors. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1629-1643.	2.6	165
148	Control of low-threshold exocytosis by T-type calcium channels. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1579-1586.	2.6	53
149	Advances in voltage-gated calcium channel structure, function and physiology. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1521.	2.6	5
150	The Ca_v3â€“K_v4 Complex Acts as a Calcium Sensor to Maintain Inhibitory Charge Transfer during Extracellular Calcium Fluctuations. Journal of Neuroscience, 2013, 33, 7811-7824.	3.6	44
151	Modeling interactions between voltage-gated Ca²⁺channels and KCa1.1 channels. Channels, 2013, 7, 524-529.	2.8	15
152	The Immediately Releasable Pool of Mouse Chromaffin Cell Vesicles Is Coupled to P/Q-Type Calcium Channels via the Synaptic Protein Interaction Site. PLoS ONE, 2013, 8, e54846.	2.5	18
153	Low Voltage Activation of KCa1.1 Current by Cav3-KCa1.1 Complexes. PLoS ONE, 2013, 8, e61844.	2.5	48
154	Signal processing by T-type calcium channel interactions in the cerebellum. Frontiers in Cellular Neuroscience, 2013, 7, 230.	3.7	20
155	Reciprocal Regulation of Neuronal Calcium Channels by Synaptic Proteins. , 2013, , 61-78.		1
156	Prion Proteinâ€™s Protection Against Pain. , 2013, , .		0
157	Common Mechanisms of Drug Interactions with Sodium and T-Type Calcium Channels. Molecular Pharmacology, 2012, 82, 481-487.	2.3	28
158	Intermediate conductance calcium-activated potassium channels modulate summation of parallel fiber input in cerebellar Purkinje cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2601-2606.	7.1	85
159	AKAP79 modulation of L-type channels involves disruption of intramolecular interactions in the Ca_V1.2 subunit. Channels, 2012, 6, 157-165.	2.8	14
160	Disruption of NMDARâ€“CRMP-2 signaling protects against focal cerebral ischemic damage in the rat middle cerebral artery occlusion model. Channels, 2012, 6, 52-59.	2.8	30
161	How do T-type calcium channels control low-threshold exocytosis?. Communicative and Integrative Biology, 2012, 5, 377-380.	1.4	19
162	Aî² neurotoxicity depends on interactions between copper ions, prion protein, and N -methyl-<scp>d</scp> -aspartate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1737-1742.	7.1	209

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163	A Cav3.2/Syntaxin-1A Signaling Complex Controls T-type Channel Activity and Low-threshold Exocytosis. Journal of Biological Chemistry, 2012, 287, 2810-2818.	3.4	110
164	Regulation of Voltage-Gated Calcium Channels by Synaptic Proteins. Advances in Experimental Medicine and Biology, 2012, 740, 759-775.	1.6	24
165	Depressive-like behaviour of mice lacking cellular prion protein. Behavioural Brain Research, 2012, 227, 319-323.	2.2	40
166	Copperâ€dependent regulation of NMDA receptors by cellular prion protein: implications for neurodegenerative disorders. Journal of Physiology, 2012, 590, 1357-1368.	2.9	91
167	Mercury-induced toxicity of rat cortical neurons is mediated through N-methyl-D-Aspartate receptors. Molecular Brain, 2012, 5, 30.	2.6	82
168	Calcium channels as therapeutic targets. Environmental Sciences Europe, 2012, 1, 433-451.	5.5	15
169	Will the real multiple sclerosis please stand up?. Nature Reviews Neuroscience, 2012, 13, 507-514.	10.2	406
170	Structureâ€“activity relationships of trimethoxybenzyl piperazine N-type calcium channel inhibitors. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4153-4158.	2.2	24
171	The Brugada syndrome mutation A39V does not affect surface expression of neuronal rat Cav1.2 channels. Molecular Brain, 2012, 5, 9.	2.6	13
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