Terrance P Snutch

List of Publications by Year
in descending order

164 papers	19,928 citations	13865 67 h-index	11607 135 g-index
171 all docs	171 docs citations	171 times ranked	15553 citing authors

#	Article	IF	Citations
1	Dissociable changes in spike and wave discharges following exposure to injected cannabinoids and smoked cannabis in Genetic Absence Epilepsy Rats from Strasbourg. European Journal of Neuroscience, 2022, 55, 1063-1078.	2.6	23
2	Hyperexcitable superior colliculus and fatal brainstem spreading depolarization in a model of Sudden Unexpected Death in Epilepsy. Brain Communications, 2022, 4, fcac006.	3.3	12
3	The type 1 cannabinoid receptor positive allosteric modulators GAT591 and GAT593 reduce spike-and-wave discharges in Genetic Absence Epilepsy Rats from Strasbourg. IBRO Neuroscience Reports, 2022, 12, 121-130.	1.6	5
4	Histone methylation-mediated microRNA-32-5p down-regulation in sensory neurons regulates pain behaviors via targeting Cav3.2 channels. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117209119.	7.1	16
5	The Tâ€type calcium channel antagonist, Z944, reduces spinal excitability and pain hypersensitivity. British Journal of Pharmacology, 2021, 178, 3517-3532.	5.4	27
6	Positive allosteric modulation of type 1 cannabinoid receptors reduces spike-and-wave discharges in Genetic Absence Epilepsy Rats from Strasbourg. Neuropharmacology, 2021, 190, 108553.	4.1	22
7	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. British Journal of Pharmacology, 2021, 178, S157-S245.	5.4	187
8	T-type calcium channels regulate the acquisition and recall of conditioned fear in male, Wistar rats. Behavioural Brain Research, 2020, 393, 112747.	2.2	3
9	L-type calcium channel contributions to intrinsic excitability and synaptic activity during basolateral amygdala postnatal development. Journal of Neurophysiology, 2020, 123, 1216-1235.	1.8	6
10	Cognitive Impairments in Touchscreen-based Visual Discrimination and Reversal Learning in Genetic Absence Epilepsy Rats from Strasbourg. Neuroscience, 2020, 430, 105-112.	2.3	11
11	Pregabalin as a Pain Therapeutic: Beyond Calcium Channels. Frontiers in Cellular Neuroscience, 2020, 14, 83.	3.7	37
12	Evidence for altered insulin signalling in the brains of genetic absence epilepsy rats from Strasbourg. Clinical and Experimental Pharmacology and Physiology, 2020, 47, 1530-1536.	1.9	5
13	Disease-modifying effects of a novel T-type calcium channel antagonist, Z944, in a model of temporal lobe epilepsy. Progress in Neurobiology, 2019, 182, 101677.	5.7	23
14	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Ion channels. British Journal of Pharmacology, 2019, 176, S142-S228.	5.4	242
15	The Tâ€type calcium channel blocker Z944 reduces conditioned fear in Genetic Absence Epilepsy Rats from Strasbourg and the nonâ€epileptic control strain. European Journal of Neuroscience, 2019, 50, 3046-3059.	2.6	10
16	Nanopore native RNA sequencing of a human poly(A) transcriptome. Nature Methods, 2019, 16, 1297-1305.	19.0	411
17	The T-type calcium channel antagonist, Z944, alters social behavior in Genetic Absence Epilepsy Rats from Strasbourg. Behavioural Brain Research, 2019, 361, 54-64.	2.2	18
18	Brainstem spreading depolarization and cortical dynamics during fatal seizures inCacna1aS218L mice. Brain, 2019, 142, 412-425.	7.6	79

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19	Ca_V3.2 drives sustained burstâ€firing, which is critical for absence seizure propagation in reticular thalamic neurons. Epilepsia, 2018, 59, 778-791.	5.1	36
20	Peripheral nerve injury increases contribution of L-type calcium channels to synaptic transmission in spinal lamina II: Role of Î±2Îâ€“1 subunits. Molecular Pain, 2018, 14, 174480691876580.	2.1	15
21	Melatoninâ€mediated inhibition of Cav3.2 Tâ€type Ca²⁺ channels induces sensory neuronal hypoexcitability through the novel protein kinase Câ€eta isoform. Journal of Pineal Research, 2018, 64, e12476.	7.4	20
22	Nanopore sequencing and assembly of a human genome with ultra-long reads. Nature Biotechnology, 2018, 36, 338-345.	17.5	1,443
23	MinION-based long-read sequencing and assembly extends the Caenorhabditis elegans reference genome. Genome Research, 2018, 28, 266-274.	5.5	132
24	Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons. Molecular and Cellular Neurosciences, 2018, 88, 330-341.	2.2	35
25	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
26	Fast oxygen dynamics as a potential biomarker for epilepsy. Scientific Reports, 2018, 8, 17935.	3.3	16
27	Effects of the T-type calcium channel antagonist Z944 on paired associates learning and locomotor activity in rats treated with the NMDA receptor antagonist MK-801. Psychopharmacology, 2018, 235, 3339-3350.	3.1	5
28	T-type calcium channels functionally interact with spectrin (Î±/Î²) and ankyrin B. Molecular Brain, 2018, 11, 24.	2.6	31
29	T-type calcium channels in the orbitofrontal cortex mediate sensory integration as measured using a spontaneous oddity task in rats. Learning and Memory, 2018, 25, 317-324.	1.3	6
30	In vivo imaging reveals that pregabalin inhibits cortical spreading depression and propagation to subcortical brain structures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2401-2406.	7.1	53
31	C-terminal splice variants of P/Q-type Ca2+ channel CaV2.1 Î±1 subunits are differentially regulated by Rab3-interacting molecule proteins. Journal of Biological Chemistry, 2017, 292, 9365-9381.	3.4	23
32	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
33	Sociability impairments in Genetic Absence Epilepsy Rats from Strasbourg: Reversal by the T-type calcium channel antagonist Z944. Experimental Neurology, 2017, 296, 16-22.	4.1	26
34	Elevated sterol regulatory elementary binding protein 1 and GluA2 levels in the hippocampal nuclear fraction of Genetic Absence Epilepsy Rats from Strasbourg. Epilepsy Research, 2017, 136, 1-4.	1.6	4
35	GABAB receptors suppress burst-firing in reticular thalamic neurons. Channels, 2017, 11, 574-586.	2.8	14
36	The <scp>G</scp>enetic <scp>A</scp>bsence <scp>E</scp>pilepsy <scp>R</scp>ats from <scp>S</scp>trasbourg model of absence epilepsy exhibits alterations in fear conditioning and latent inhibition consistent with psychiatric comorbidities in humans. European Journal of Neuroscience, 2016, 43, 25-40.	2.6	31

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37	The T-type calcium channel antagonist Z944 disrupts prepulse inhibition in both epileptic and non-epileptic rats. Neuroscience, 2016, 332, 121-129.	2.3	14
38	Heantos-4, a natural plant extract used in the treatment of drug addiction, modulates T-type calcium channels and thalamocortical burst-firing. Molecular Brain, 2016, 9, 94.	2.6	1
39	The T-type calcium channel antagonist Z944 rescues impairments in crossmodal and visual recognition memory in Genetic Absence Epilepsy Rats from Strasbourg. Neurobiology of Disease, 2016, 94, 106-115.	4.4	29
40	Compensatory T-type Ca2+ channel activity alters D2-autoreceptor responses of Substantia nigra dopamine neurons from Cav1.3 L-type Ca2+ channel KO mice. Scientific Reports, 2015, 5, 13688.	3.3	40
41	Z944, a Novel Selective T-Type Calcium Channel Antagonist Delays the Progression of Seizures in the Amygdala Kindling Model. PLoS ONE, 2015, 10, e0130012.	2.5	42
42	Differential cerebellar GABAA receptor expression in mice with mutations in CaV2.1 (P/Q-type) calcium channels. Neuroscience, 2015, 304, 198-208.	2.3	6
43	The Cellular Mechanisms of Neuronal Swelling Underlying Cytotoxic Edema. Cell, 2015, 161, 610-621.	28.9	197
44	The unusual suspects: Regulation of retinal calcium channels by somatostatin. Channels, 2015, 9, 61-62.	2.8	0
45	Ca_V3.2 calcium channels control NMDA receptor-mediated transmission: a new mechanism for absence epilepsy. Genes and Development, 2015, 29, 1535-1551.	5.9	48
46	A concerted action of L- and T-type Ca2+ channels regulates locus coeruleus pacemaking. Molecular and Cellular Neurosciences, 2015, 68, 293-302.	2.2	26
47	The Triggle effect. Biochemical Pharmacology, 2015, 98, 322-326.	4.4	2
48	Thalamocortical neurons display suppressed burst-firing due to an enhanced Ih current in a genetic model of absence epilepsy. Pflugers Archiv European Journal of Physiology, 2015, 467, 1367-1382.	2.8	33
49	Peripheral pain is enhanced by insulin-like growth factor 1 through a G proteinâ€“mediated stimulation of T-type calcium channels. Science Signaling, 2014, 7, ra94.	3.6	62
50	Low threshold <scp>T</scp>â€type calcium channels as targets for novel epilepsy treatments. British Journal of Clinical Pharmacology, 2014, 77, 729-739.	2.4	67
51	Epigallocatechin-3-gallate elicits Ca2+ spike in MCF-7 breast cancer cells: Essential role of Cav3.2 channels. Cell Calcium, 2014, 56, 285-295.	2.4	30
52	T-Type Calcium Channels and Epilepsy. , 2014, , 77-96.		0
53	Molecular nature of voltageâ€gated calcium channels: structure and species comparison. Environmental Sciences Europe, 2013, 2, 181-206.	5.5	27
54	Modulation of low-voltage-activated T-type Ca2+ channels. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1550-1559.	2.6	51

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55	T-type calcium channels in burst-firing, network synchrony, and epilepsy. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1572-1578.	2.6	118
56	Modular, efficient synthesis of asymmetrically substituted piperazine scaffolds as potent calcium channel blockers. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3257-3261.	2.2	15
57	Advances in voltage-gated calcium channel structure, function and physiology. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1521.	2.6	5
58	Repression of a Potassium Channel by Nuclear Hormone Receptor and TGF-Î² Signaling Modulates Insulin Signaling in Caenorhabditis elegans. PLoS Genetics, 2012, 8, e1002519.	3.5	16
59	Characterization of the Substituted N-Triazole Oxindole TROX-1, a Small-Molecule, State-Dependent Inhibitor of Cav2 Calcium Channels. Molecular Pharmacology, 2012, 81, 488-497.	2.3	58
60	T-Type Calcium Channel Blockers That Attenuate Thalamic Burst Firing and Suppress Absence Seizures. Science Translational Medicine, 2012, 4, 121ra19.	12.4	156
61	Contributions of T-Type Voltage-Gated Calcium Channels to Postsynaptic Calcium Signaling within Purkinje Neurons. Cerebellum, 2012, 11, 651-665.	2.5	36
62	Structureâ€“activity relationships of trimethoxybenzyl piperazine N-type calcium channel inhibitors. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4153-4158.	2.2	24
63	Voltage-Gated Calcium Channels in Epilepsy. , 2012, , 66-84.		15
64	Amyotrophic lateral sclerosisâ€immunoglobulins selectively interact with neuromuscular junctions expressing P/Qâ€type calcium channels. Journal of Neurochemistry, 2011, 119, 826-838.	3.9	19
65	A novel slow-inactivation-specific ion channel modulator attenuates neuropathic pain. Pain, 2011, 152, 833-843.	4.2	59
66	Voltage-gated calcium channels and disease. BioFactors, 2011, 37, 197-205.	5.4	65
67	Identification of Sodium Channel Isoforms That Mediate Action Potential Firing in Lamina I/II Spinal Cord Neurons. Molecular Pain, 2011, 7, 1744-8069-7-67.	2.1	14
68	T-type calcium channels contribute to colonic hypersensitivity in a rat model of irritable bowel syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11268-11273.	7.1	129
69	Treatments for neuropathic pain differentially affect delayed matching accuracy by macaques: Effects of amitriptyline and gabapentin. Pain, 2010, 148, 446-453.	4.2	7
70	Structureâ€“activity relationships of diphenylpiperazine N-type calcium channel inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1378-1383.	2.2	43
71	Voltage-gated calcium channels in epilepsy. Epilepsia, 2010, 51, 11-11.	5.1	12
72	The transient receptor potential channel antagonist SKF96365 is a potent blocker of lowâ€voltageâ€activated Tâ€type calcium channels. British Journal of Pharmacology, 2010, 160, 1464-1475.	5.4	152

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73	Analgesic Effects of a Substituted N-Triazole Oxindole (TROX-1), a State-Dependent, Voltage-Gated Calcium Channel 2 Blocker. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 545-555.	2.5	91
74	Contribution of calcium-dependent facilitation to synaptic plasticity revealed by migraine mutations in the P/Q-type calcium channel. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18694-18699.	7.1	64
75	Splice-variant changes of the Ca_V3.2 T-type calcium channel mediate voltage-dependent facilitation and associate with cardiac hypertrophy and development. Channels, 2010, 4, 375-389.	2.8	50
76	Contributions of T-type calcium channel isoforms to neuronal firing. Channels, 2010, 4, 475-482.	2.8	155
77	A Fluorescence-Based High-Throughput Screening Assay for the Identification of T-Type Calcium Channel Blockers. Assay and Drug Development Technologies, 2009, 7, 266-280.	1.2	26
78	Functional Coupling between mGluR1 and Ca_v3.1 T-Type Calcium Channels Contributes to Parallel Fiber-Induced Fast Calcium Signaling within Purkinje Cell Dendritic Spines. Journal of Neuroscience, 2009, 29, 9668-9682.	3.6	93
79	Ca_V2.1 P/Q-type calcium channel alternative splicing affects the functional impact of familial hemiplegic migraine mutations: Implications for calcium channelopathies. Channels, 2009, 3, 110-121.	2.8	66
80	A Ca_v3.2 T-Type Calcium Channel Point Mutation Has Splice-Variant-Specific Effects on Function and Segregates with Seizure Expression in a Polygenic Rat Model of Absence Epilepsy. Journal of Neuroscience, 2009, 29, 371-380.	3.6	164
81	Role of voltage-gated calcium channels in ascending pain pathways. Brain Research Reviews, 2009, 60, 84-89.	9.0	215
82	Scaffold-based design and synthesis of potent N-type calcium channel blockers. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6467-6472.	2.2	64
83	Block of voltage-gated calcium channels stimulates dopamine efflux in rat mesocorticolimbic system. Neuropharmacology, 2009, 56, 984-993.	4.1	12
84	A Blocker of N- and T-type Voltage-Gated Calcium Channels Attenuates Ethanol-Induced Intoxication, Place Preference, Self-Administration, and Reinstatement. Journal of Neuroscience, 2008, 28, 11712-11719.	3.6	35
85	Activation of Corticotropin-Releasing Factor Receptor 1 Selectively Inhibits Ca_V3.2 T-Type Calcium Channels. Molecular Pharmacology, 2008, 73, 1596-1609.	2.3	62
86	Selective Inhibition of Cav3.3 T-type Calcium Channels by GÎ±q/11-coupled Muscarinic Acetylcholine Receptors. Journal of Biological Chemistry, 2007, 282, 21043-21055.	3.4	42
87	Molecular Mechanisms of Subtype-Specific Inhibition of Neuronal T-Type Calcium Channels by Ascorbate. Journal of Neuroscience, 2007, 27, 12577-12583.	3.6	121
88	The Sodium â€œLeakâ€•Has Finally Been Plugged. Neuron, 2007, 54, 505-507.	8.1	32
89	A Putative Cation Channel and Its Novel Regulator: Cross-Species Conservation of Effects on General Anesthesia. Current Biology, 2007, 17, 624-629.	3.9	101
90	UNC-80 and the NCA Ion Channels Contribute to Endocytosis Defects in Synaptojanin Mutants. Current Biology, 2007, 17, 1595-1600.	3.9	90

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91	Leftward Shift in the Voltage-Dependence for Ca2+ Currents Activation Induced by a New Toxin from Phoneutria reidyi (Aranae, Ctenidae) Venom. Cellular and Molecular Neurobiology, 2007, 27, 129-146.	3.3	11
92	Contributions of T-type calcium channels to the pathophysiology of pain signaling. Drug Discovery Today Disease Mechanisms, 2006, 3, 335-341.	0.8	19
93	Specific T-type calcium channel isoforms are associated with distinct burst phenotypes in deep cerebellar nuclear neurons. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5555-5560.	7.1	181
94	Temperature dependence of T-type calcium channel gating. Neuroscience, 2006, 142, 1031-1042.	2.3	63
95	CaV3 T-type calcium channel isoforms differentially distribute to somatic and dendritic compartments in rat central neurons. European Journal of Neuroscience, 2006, 24, 2581-2594.	2.6	167
96	Functional Analysis of Cav3.2 T-type Calcium Channel Mutations Linked to Childhood Absence Epilepsy. Epilepsia, 2006, 47, 655-658.	5.1	64
97	T-type calcium channels: an emerging therapeutic target for the treatment of pain. Drug Development Research, 2006, 67, 404-415.	2.9	16
98	Effects of Cav3.2 channel mutations linked to idiopathic generalized epilepsy. Annals of Neurology, 2005, 57, 745-749.	5.3	110
99	The C. elegans T-type calcium channel CCA-1 boosts neuromuscular transmission. Journal of Experimental Biology, 2005, 208, 2191-2203.	1.7	68
100	Inhibition of High Voltage-Activated Calcium Channels by Spider Toxin PnTx3-6. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 1370-1377.	2.5	102
101	Silencing of the Cav3.2 T-type calcium channel gene in sensory neurons demonstrates its major role in nociception. EMBO Journal, 2005, 24, 315-324.	7.8	388
102	International Union of Pharmacology. XLVIII. Nomenclature and Structure-Function Relationships of Voltage-Gated Calcium Channels. Pharmacological Reviews, 2005, 57, 411-425.	16.0	1,110
103	Targeting chronic and neuropathic pain: The N-type calcium channel comes of age. NeuroRx, 2005, 2, 662-670.	6.0	196
104	Molecular Properties of Voltage-Gated Calcium Channels. , 2005, , 61-94.		20
105	Mammalian Voltage-Gated Calcium Channels Are Potently Blocked by the Pyrethroid Insecticide Allethrin. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 805-813.	2.5	71
106	The CACNA1F Gene Encodes an L-Type Calcium Channel with Unique Biophysical Properties and Tissue Distribution. Journal of Neuroscience, 2004, 24, 1707-1718.	3.6	183
107	Gating Effects of Mutations in the Cav3.2 T-type Calcium Channel Associated with Childhood Absence Epilepsy. Journal of Biological Chemistry, 2004, 279, 9681-9684.	3.4	155
108	Functional implications of a novel EA2 mutation in the P/Q-type calcium channel. Annals of Neurology, 2004, 56, 213-220.	5.3	72

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109	Molecular and functional insights into voltage-gated calcium channels. Advances in Molecular and Cell Biology, 2004, 32, 381-406.	0.1	0
110	Malaysian Siblings with Friedreich Ataxia and Chorea: A Novel Deletion in the Frataxin Gene. Canadian Journal of Neurological Sciences, 2004, 31, 383-386.	0.5	23
111	Pseudomigraine With Lymphocytic Pleocytosis: A Calcium Channelopathy? Clinical Description of 10 Cases and Genetic Analysis of the Familial Hemiplegic Migraine Gene CACNA1A. Headache, 2003, 43, 892-895.	3.9	43
112	International Union of Pharmacology. XL. Compendium of Voltage-Gated Ion Channels: Calcium Channels. Pharmacological Reviews, 2003, 55, 579-581.	16.0	221
113	Critical Residues of theCaenorhabditis elegans unc-2Voltage-Gated Calcium Channel That Affect Behavioral and Physiological Properties. Journal of Neuroscience, 2003, 23, 6537-6545.	3.6	64
114	Differential Inhibition of T-Type Calcium Channels by Neuroleptics. Journal of Neuroscience, 2002, 22, 396-403.	3.6	165
115	Mutation analysis of the sodium/hydrogen exchanger gene (NHE5) in familial paroxysmal kinesigenic dyskinesia. Journal of Neural Transmission, 2002, 109, 1189-1194.	2.8	12
116	Modulating Modulation: Crosstalk Between Regulatory Pathways of Presynaptic Calcium Channels. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 476-478.	3.4	16
117	Gabapentin: A novel analgesic targeting voltage-gated calcium channels. Drug Development Research, 2001, 54, 167-172.	2.9	24
118	Amino Acid Residues Outside of the Pore Region Contribute to N-type Calcium Channel Permeation. Journal of Biological Chemistry, 2001, 276, 5726-5730.	3.4	45
119	Residue Gly1326 of the N-type Calcium Channel Î±1B Subunit Controls Reversibility of Ï‰-Conotoxin GVIA and MVIIA Block. Journal of Biological Chemistry, 2001, 276, 15728-15735.	3.4	87
120	Molecular and Functional Characterization of a Family of Rat Brain T-type Calcium Channels. Journal of Biological Chemistry, 2001, 276, 3999-4011.	3.4	227
121	Voltage-Gated Calcium Channels Direct Neuronal Migration in Caenorhabditis elegans. Developmental Biology, 2000, 226, 104-117.	2.0	46
122	Nomenclature of Voltage-Gated Calcium Channels. Neuron, 2000, 25, 533-535.	8.1	868
123	Determinants of voltage-dependent inactivation affect Mibefradil block of calcium channels. Neuropharmacology, 2000, 39, 1-10.	4.1	65
124	A New Î² Subtype-specific Interaction in Î±1ASubunit Controls P/Q-type Ca2+ Channel Activation. Journal of Biological Chemistry, 1999, 274, 12383-12390.	3.4	79
125	Identification of an Integration Center for Cross-talk between Protein Kinase C and G Protein Modulation of N-type Calcium Channels. Journal of Biological Chemistry, 1999, 274, 6195-6202.	3.4	120
126	alpha1B N-Type Calcium Channel Isoforms with Distinct Biophysical Properties. Annals of the New York Academy of Sciences, 1999, 868, 118-130.	3.8	19

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127	P/Q-type calcium channels mediate the activity-dependent feedback of syntaxin-1A. Nature, 1999, 401, 800-804.	27.8	142
128	Volatile anesthetic inhibition of neuronal Ca channel currents expressed in Xenopus oocytes. Brain Research, 1999, 831, 85-96.	2.2	44
129	Modulation of voltage-dependent calcium channels by G proteins. Current Opinion in Neurobiology, 1998, 8, 351-356.	4.2	195
130	Decay of prepulse facilitation of N type calcium channels during G protein inhibition is consistent with binding of a single GÂÂ subunit. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4035-4039.	7.1	124
131	Inhibition of Neuronal Calcium Channels by a Novel Peptide Spider Toxin, DW13.3. Molecular Pharmacology, 1998, 54, 407-418.	2.3	38
132	Crosstalk between G proteins and protein kinase C mediated by the calcium channel Î±1 subunit. Nature, 1997, 385, 442-446.	27.8	455
133	Elementary events underlying voltage-dependent G-protein inhibition of N-type calcium channels. Biophysical Journal, 1996, 71, 2509-2521.	0.5	120
134	Evidence for a specific site for modulation of calcium channel activation by external calcium ions. Pflugers Archiv European Journal of Physiology, 1996, 431, 470-472.	2.8	22
135	Isoform-specific interaction of the alpha1A subunits of brain Ca2+ channels with the presynaptic proteins syntaxin and SNAP-25.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7363-7368.	7.1	283
136	Determinants of the G protein-dependent opioid modulation of neuronal calcium channels.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1486-1491.	7.1	250
137	Nickel Block of a Family of Neuronal Calcium Channels: Subtype- and Subunit-Dependent Action at Multiple Sites. Journal of Membrane Biology, 1996, 151, 77-90.	2.1	188
138	Determinants of PKC-dependent modulation of a family of neuronal calcium channels. Neuron, 1995, 15, 929-940.	8.1	225
139	Essential Ca ²⁺ -Binding Motif for Ca ²⁺ -Sensitive Inactivation of L-Type Ca ²⁺ Channels. Science, 1995, 270, 1502-1506.	12.6	272
140	Calcium channel Î²-subunit binds to a conserved motif in the Iâ€“II cytoplasmic linker of the Î±1-subunit. Nature, 1994, 368, 67-70.	27.8	626
141	The naming of voltage-gated calcium channels. Neuron, 1994, 13, 505-506.	8.1	331
142	Calcium currents recorded from a neuronal Î±1CL-type calcium channel inXenopusoocytes. FEBS Letters, 1994, 344, 87-90.	2.8	29
143	Localization and functional properties of a rat brain alpha 1A calcium channel reflect similarities to neuronal Q- and P-type channels.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10576-10580.	7.1	336
144	A Î²-subunit normalizes the electrophysiological properties of a cloned N-type CA2+ channel Î±1-subunit. Neuropharmacology, 1993, 32, 1103-1116.	4.1	130

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145	Functional properties of a neuronal class C L-type calcium channel. Neuropharmacology, 1993, 32, 1117-1126.	4.1	160
146	Molecular Properties of Calcium Channels in Skeletal Muscle and Neurons. Annals of the New York Academy of Sciences, 1993, 681, 342-355.	3.8	31
147	Structure and functional expression of a member of the low voltage-activated calcium channel family. Science, 1993, 260, 1133-1136.	12.6	558
148	Identification and differential subcellular localization of the neuronal class C and class D L-type calcium channel alpha 1 subunits.. Journal of Cell Biology, 1993, 123, 949-962.	5.2	706
149	Molecular cloning of the alpha-1 subunit of an omega-conotoxin-sensitive calcium channel.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5058-5062.	7.1	305
150	Biochemical properties and subcellular distribution of an N-type calcium hannel Î±1 subunit. Neuron, 1992, 9, 1099-1115.	8.1	592
151	Molecular Diversity of Neuronal-Type Calcium Channels Identified in Small Cell Lung Carcinoma. Mayo Clinic Proceedings, 1992, 67, 1150-1159.	3.0	71
152	The mouse 5-HT1C receptor contains eight hydrophobic domains and is X-linked. Molecular Brain Research, 1991, 11, 143-149.	2.3	69
153	Distinct calcium channels are generated by alternative splicing and are differentially expressed in the mammalian CNS. Neuron, 1991, 7, 45-57.	8.1	372
154	Primary structure of a calcium channel that is highly expressed in the rat cerebellum.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5621-5625.	7.1	274
155	Rat brain expresses a heterogeneous family of calcium channels.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3391-3395.	7.1	265
156	Expression of mRNA Encoding Voltage-Dependent Ca Channels in Xenopus Oocytes:.. Annals of the New York Academy of Sciences, 1989, 560, 174-182.	3.8	10
157	The Caenorhabditis elegans hsp70 gene family: a molecular genetic characterization. Gene, 1988, 64, 241-255.	2.2	92
158	The use of Xenopus oocytes to probe synaptic communication. Trends in Neurosciences, 1988, 11, 250-256.	8.6	140
159	cDNA cloning of a serotonin 5-HT1C receptor by electrophysiological assays of mRNA-injected Xenopus oocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 4332-4336.	7.1	190
160	Messenger RNA coding for only the alpha subunit of the rat brain Na channel is sufficient for expression of functional channels in Xenopus oocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7503-7507.	7.1	202
161	Expression and modulation of voltage-gated calcium channels after RNA injection in Xenopus oocytes. Science, 1986, 231, 1147-1150.	12.6	174
162	Isolation of the closed circular form of the transposable element Tc1 in Caenorhabditis elegans. Nature, 1984, 311, 485-486.	27.8	65

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163	A high degree of DNA strain polymorphism associated with the major heat shock gene in Caenorhabditis elegans. Molecular Genetics and Genomics, 1984, 195, 329-335.	2.4	16
164	Alterations in the pattern of gene expression following heat shock in the nematode Caenorhabditis elegans. Canadian Journal of Biochemistry and Cell Biology, 1983, 61, 480-487.	1.3	81