

# Terrance P Snutch

## List of Publications by Year in descending order

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Version: 2024-02-01

164  
papers

19,928  
citations

13854

67  
h-index

11601

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. <i>European Journal of Neuroscience</i> , 2022, 55, 1063-1078.                       | 1.2 | 23        |
| 2  | Hyperexcitable superior colliculus and fatal brainstem spreading depolarization in a model of Sudden Unexpected Death in Epilepsy. <i>Brain Communications</i> , 2022, 4, fcac006.  | 1.5 | 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. <i>IBRO Neuroscience Reports</i> , 2022, 12, 121-130.                               | 0.7 | 5         |
| 4  | Histone methylation-mediated microRNA-32-5p down-regulation in sensory neurons regulates pain behaviors via targeting Cav3.2 channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117209119. | 3.3 | 16        |
| 5  | The T-type calcium channel antagonist, Z944, reduces spinal excitability and pain hypersensitivity. <i>British Journal of Pharmacology</i> , 2021, 178, 3517-3532.  | 2.7 | 27        |
| 6  | Positive allosteric modulation of type 1 cannabinoid receptors reduces spike-and-wave discharges in Genetic Absence Epilepsy Rats from Strasbourg. <i>Neuropharmacology</i> , 2021, 190, 108553.  | 2.0 | 22        |
| 7  | THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. <i>British Journal of Pharmacology</i> , 2021, 178, S157-S245.   | 2.7 | 187       |
| 8  | T-type calcium channels regulate the acquisition and recall of conditioned fear in male, Wistar rats. <i>Behavioural Brain Research</i> , 2020, 393, 112747.  | 1.2 | 3         |
| 9  | L-type calcium channel contributions to intrinsic excitability and synaptic activity during basolateral amygdala postnatal development. <i>Journal of Neurophysiology</i> , 2020, 123, 1216-1235.   | 0.9 | 6         |
| 10 | Cognitive Impairments in Touchscreen-based Visual Discrimination and Reversal Learning in Genetic Absence Epilepsy Rats from Strasbourg. <i>Neuroscience</i> , 2020, 430, 105-112.  | 1.1 | 11        |
| 11 | Pregabalin as a Pain Therapeutic: Beyond Calcium Channels. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 83.  | 1.8 | 37        |
| 12 | Evidence for altered insulin signalling in the brains of genetic absence epilepsy rats from Strasbourg. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 1530-1536.   | 0.9 | 5         |
| 13 | Disease-modifying effects of a novel T-type calcium channel antagonist, Z944, in a model of temporal lobe epilepsy. <i>Progress in Neurobiology</i> , 2019, 182, 101677.  | 2.8 | 23        |
| 14 | THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Ion channels. <i>British Journal of Pharmacology</i> , 2019, 176, S142-S228.   | 2.7 | 242       |
| 15 | The T-type calcium channel blocker Z944 reduces conditioned fear in Genetic Absence Epilepsy Rats from Strasbourg and the non-epileptic control strain. <i>European Journal of Neuroscience</i> , 2019, 50, 3046-3059.                                  | 1.2 | 10        |
| 16 | Nanopore native RNA sequencing of a human poly(A) transcriptome. <i>Nature Methods</i> , 2019, 16, 1297-1305.   | 9.0 | 411       |
| 17 | The T-type calcium channel antagonist, Z944, alters social behavior in Genetic Absence Epilepsy Rats from Strasbourg. <i>Behavioural Brain Research</i> , 2019, 361, 54-64.   | 1.2 | 18        |
| 18 | Brainstem spreading depolarization and cortical dynamics during fatal seizures in <i>Cacna1a</i> <sup>S218L</sup> mice. <i>Brain</i> , 2019, 142, 412-425.  | 3.7 | 79        |

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|----|---|-----|-----------|
| 19 | Ca <sub>v</sub> 3.2 drives sustained burst-firing, which is critical for absence seizure propagation in reticular thalamic neurons. <i>Epilepsia</i> , 2018, 59, 778-791.   | 2.6 | 36        |
| 20 | Peripheral nerve injury increases contribution of L-type calcium channels to synaptic transmission in spinal lamina II: Role of $\alpha_1$ subunits. <i>Molecular Pain</i> , 2018, 14, 174480691876580.   | 1.0 | 15        |
| 21 | Melatonin-mediated inhibition of Cav3.2 $\text{Ca}^{2+}$ channels induces sensory neuronal hypoexcitability through the novel protein kinase $\text{C}\beta$ isoform. <i>Journal of Pineal Research</i> , 2018, 64, e12476.                                 | 3.4 | 20        |
| 22 | Nanopore sequencing and assembly of a human genome with ultra-long reads. <i>Nature Biotechnology</i> , 2018, 36, 338-345.  | 9.4 | 1,443     |
| 23 | MinION-based long-read sequencing and assembly extends the <i>Caenorhabditis elegans</i> reference genome. <i>Genome Research</i> , 2018, 28, 266-274.  | 2.4 | 132       |
| 24 | Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons. <i>Molecular and Cellular Neurosciences</i> , 2018, 88, 330-341.  | 1.0 | 35        |
| 25 | Recent advances in the development of T-type calcium channel blockers for pain intervention. <i>British Journal of Pharmacology</i> , 2018, 175, 2375-2383.   | 2.7 | 93        |
| 26 | Fast oxygen dynamics as a potential biomarker for epilepsy. <i>Scientific Reports</i> , 2018, 8, 17935.   | 1.6 | 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. <i>Psychopharmacology</i> , 2018, 235, 3339-3350.                                      | 1.5 | 5         |
| 28 | T-type calcium channels functionally interact with spectrin ( $\beta$ ) and ankyrin B. <i>Molecular Brain</i> , 2018, 11, 24.   | 1.3 | 31        |
| 29 | T-type calcium channels in the orbitofrontal cortex mediate sensory integration as measured using a spontaneous oddity task in rats. <i>Learning and Memory</i> , 2018, 25, 317-324.  | 0.5 | 6         |
| 30 | In vivo imaging reveals that pregabalin inhibits cortical spreading depression and propagation to subcortical brain structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2401-2406.              | 3.3 | 53        |
| 31 | C-terminal splice variants of P/Q-type $\text{Ca}^{2+}$ channel $\text{Ca}_v2.1$ $\beta$ subunits are differentially regulated by Rab3-interacting molecule proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 9365-9381.                        | 1.6 | 23        |
| 32 | The <i>Cacna1h</i> mutation in the GAERS model of absence epilepsy enhances T-type $\text{Ca}^{2+}$ currents by altering calnexin-dependent trafficking of Cav3.2 channels. <i>Scientific Reports</i> , 2017, 7, 11513.                                     | 1.6 | 35        |
| 33 | Sociability impairments in Genetic Absence Epilepsy Rats from Strasbourg: Reversal by the T-type calcium channel antagonist Z944. <i>Experimental Neurology</i> , 2017, 296, 16-22.   | 2.0 | 26        |
| 34 | Elevated sterol regulatory elementary binding protein 1 and GluA2 levels in the hippocampal nuclear fraction of Genetic Absence Epilepsy Rats from Strasbourg. <i>Epilepsy Research</i> , 2017, 136, 1-4.   | 0.8 | 4         |
| 35 | GABAB receptors suppress burst-firing in reticular thalamic neurons. <i>Channels</i> , 2017, 11, 574-586.   | 1.5 | 14        |
| 36 | The genetic absence epilepsy rats from Strasbourg model of absence epilepsy exhibits alterations in fear conditioning and latent inhibition consistent with psychiatric comorbidities in humans. <i>European Journal of Neuroscience</i> , 2016, 43, 25-40. | 1.2 | 31        |

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|----|--|------|-----------|
| 37 | The T-type calcium channel antagonist Z944 disrupts prepulse inhibition in both epileptic and non-epileptic rats. <i>Neuroscience</i> , 2016, 332, 121-129.  | 1.1  | 14        |
| 38 | Heantos-4, a natural plant extract used in the treatment of drug addiction, modulates T-type calcium channels and thalamocortical burst-firing. <i>Molecular Brain</i> , 2016, 9, 94.  | 1.3  | 1         |
| 39 | The T-type calcium channel antagonist Z944 rescues impairments in crossmodal and visual recognition memory in Genetic Absence Epilepsy Rats from Strasbourg. <i>Neurobiology of Disease</i> , 2016, 94, 106-115.             | 2.1  | 29        |
| 40 | Compensatory T-type Ca <sup>2+</sup> channel activity alters D2-autoreceptor responses of Substantia nigra dopamine neurons from Cav1.3 L-type Ca <sup>2+</sup> channel KO mice. <i>Scientific Reports</i> , 2015, 5, 13688. | 1.6  | 40        |
| 41 | Z944, a Novel Selective T-Type Calcium Channel Antagonist Delays the Progression of Seizures in the Amygdala Kindling Model. <i>PLoS ONE</i> , 2015, 10, e0130012.   | 1.1  | 42        |
| 42 | Differential cerebellar GABA <sub>A</sub> receptor expression in mice with mutations in Ca <sub>v</sub> 2.1 (P/Q-type) calcium channels. <i>Neuroscience</i> , 2015, 304, 198-208.   | 1.1  | 6         |
| 43 | The Cellular Mechanisms of Neuronal Swelling Underlying Cytotoxic Edema. <i>Cell</i> , 2015, 161, 610-621.   | 13.5 | 197       |
| 44 | The unusual suspects: Regulation of retinal calcium channels by somatostatin. <i>Channels</i> , 2015, 9, 61-62.  | 1.5  | 0         |
| 45 | Ca <sub>v</sub> 3.2 calcium channels control NMDA receptor-mediated transmission: a new mechanism for absence epilepsy. <i>Genes and Development</i> , 2015, 29, 1535-1551.  | 2.7  | 48        |
| 46 | A concerted action of L- and T-type Ca <sup>2+</sup> channels regulates locus coeruleus pacemaking. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 293-302.   | 1.0  | 26        |
| 47 | The Triggle effect. <i>Biochemical Pharmacology</i> , 2015, 98, 322-326.   | 2.0  | 2         |
| 48 | Thalamocortical neurons display suppressed burst-firing due to an enhanced I <sub>h</sub> current in a genetic model of absence epilepsy. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 1367-1382.      | 1.3  | 33        |
| 49 | Peripheral pain is enhanced by insulin-like growth factor 1 through a G protein-mediated stimulation of T-type calcium channels. <i>Science Signaling</i> , 2014, 7, ra94.   | 1.6  | 62        |
| 50 | Low threshold T-type calcium channels as targets for novel epilepsy treatments. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 729-739.   | 1.1  | 67        |
| 51 | Epigallocatechin-3-gallate elicits Ca <sup>2+</sup> spike in MCF-7 breast cancer cells: Essential role of Cav3.2 channels. <i>Cell Calcium</i> , 2014, 56, 285-295.  | 1.1  | 30        |
| 52 | T-Type Calcium Channels and Epilepsy. , 2014, , 77-96.   |      | 0         |
| 53 | Molecular nature of voltage-gated calcium channels: structure and species comparison. <i>Environmental Sciences Europe</i> , 2013, 2, 181-206.   | 2.6  | 27        |
| 54 | Modulation of low-voltage-activated T-type Ca <sup>2+</sup> channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1550-1559.   | 1.4  | 51        |

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|----|---|-----|-----------|
| 55 | T-type calcium channels in burst-firing, network synchrony, and epilepsy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1572-1578.  | 1.4 | 118       |
| 56 | Modular, efficient synthesis of asymmetrically substituted piperazine scaffolds as potent calcium channel blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3257-3261.                                | 1.0 | 15        |
| 57 | Advances in voltage-gated calcium channel structure, function and physiology. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1521.   | 1.4 | 5         |
| 58 | Repression of a Potassium Channel by Nuclear Hormone Receptor and TGF- $\beta$ 2 Signaling Modulates Insulin Signaling in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2012, 8, e1002519.                         | 1.5 | 16        |
| 59 | Characterization of the Substituted N-Triazole Oxindole TROX-1, a Small-Molecule, State-Dependent Inhibitor of Cav2 Calcium Channels. <i>Molecular Pharmacology</i> , 2012, 81, 488-497.                                    | 1.0 | 58        |
| 60 | T-Type Calcium Channel Blockers That Attenuate Thalamic Burst Firing and Suppress Absence Seizures. <i>Science Translational Medicine</i> , 2012, 4, 121ra19.   | 5.8 | 156       |
| 61 | Contributions of T-Type Voltage-Gated Calcium Channels to Postsynaptic Calcium Signaling within Purkinje Neurons. <i>Cerebellum</i> , 2012, 11, 651-665.  | 1.4 | 36        |
| 62 | Structure-activity relationships of trimethoxybenzyl piperazine N-type calcium channel inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4153-4158.   | 1.0 | 24        |
| 63 | Voltage-Gated Calcium Channels in Epilepsy. , 2012, , 66-84.  |     | 15        |
| 64 | Amyotrophic lateral sclerosis-immunoglobulins selectively interact with neuromuscular junctions expressing P/Q-type calcium channels. <i>Journal of Neurochemistry</i> , 2011, 119, 826-838.                                | 2.1 | 19        |
| 65 | A novel slow-inactivation-specific ion channel modulator attenuates neuropathic pain. <i>Pain</i> , 2011, 152, 833-843.   | 2.0 | 59        |
| 66 | Voltage-gated calcium channels and disease. <i>BioFactors</i> , 2011, 37, 197-205.  | 2.6 | 65        |
| 67 | Identification of Sodium Channel Isoforms That Mediate Action Potential Firing in Lamina I/II Spinal Cord Neurons. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-67.   | 1.0 | 14        |
| 68 | T-type calcium channels contribute to colonic hypersensitivity in a rat model of irritable bowel syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11268-11273. | 3.3 | 129       |
| 69 | Treatments for neuropathic pain differentially affect delayed matching accuracy by macaques: Effects of amitriptyline and gabapentin. <i>Pain</i> , 2010, 148, 446-453.   | 2.0 | 7         |
| 70 | Structure-activity relationships of diphenylpiperazine N-type calcium channel inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1378-1383.  | 1.0 | 43        |
| 71 | Voltage-gated calcium channels in epilepsy. <i>Epilepsia</i> , 2010, 51, 11-11.   | 2.6 | 12        |
| 72 | The transient receptor potential channel antagonist SKF96365 is a potent blocker of low-voltage-activated T-type calcium channels. <i>British Journal of Pharmacology</i> , 2010, 160, 1464-1475.                           | 2.7 | 152       |

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|----|--|-----|-----------|
| 73 | Analgesic Effects of a Substituted <i>N</i> -Triazole Oxindole (TROX-1), a State-Dependent, Voltage-Gated Calcium Channel 2 Blocker. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 545-555.                                | 1.3 | 91        |
| 74 | Contribution of calcium-dependent facilitation to synaptic plasticity revealed by migraine mutations in the P/Q-type calcium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18694-18699. | 3.3 | 64        |
| 75 | Splice-variant changes of the Ca <sub>v</sub> 3.2 T-type calcium channel mediate voltage-dependent facilitation and associate with cardiac hypertrophy and development. <i>Channels</i> , 2010, 4, 375-389.  | 1.5 | 50        |
| 76 | Contributions of T-type calcium channel isoforms to neuronal firing. <i>Channels</i> , 2010, 4, 475-482.   | 1.5 | 155       |
| 77 | A Fluorescence-Based High-Throughput Screening Assay for the Identification of T-Type Calcium Channel Blockers. <i>Assay and Drug Development Technologies</i> , 2009, 7, 266-280.   | 0.6 | 26        |
| 78 | Functional Coupling between mGluR1 and Ca <sub>v</sub> 3.1 T-Type Calcium Channels Contributes to Parallel Fiber-Induced Fast Calcium Signaling within Purkinje Cell Dendritic Spines. <i>Journal of Neuroscience</i> , 2009, 29, 9668-9682.           | 1.7 | 93        |
| 79 | Ca <sub>v</sub> 2.1 P/Q-type calcium channel alternative splicing affects the functional impact of familial hemiplegic migraine mutations: Implications for calcium channelopathies. <i>Channels</i> , 2009, 3, 110-121.                               | 1.5 | 66        |
| 80 | A Ca <sub>v</sub> 3.2 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. <i>Journal of Neuroscience</i> , 2009, 29, 371-380.   | 1.7 | 164       |
| 81 | Role of voltage-gated calcium channels in ascending pain pathways. <i>Brain Research Reviews</i> , 2009, 60, 84-89.  | 9.1 | 215       |
| 82 | Scaffold-based design and synthesis of potent N-type calcium channel blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6467-6472.  | 1.0 | 64        |
| 83 | Block of voltage-gated calcium channels stimulates dopamine efflux in rat mesocorticolimbic system. <i>Neuropharmacology</i> , 2009, 56, 984-993.  | 2.0 | 12        |
| 84 | A Blocker of N- and T-type Voltage-Gated Calcium Channels Attenuates Ethanol-Induced Intoxication, Place Preference, Self-Administration, and Reinstatement. <i>Journal of Neuroscience</i> , 2008, 28, 11712-11719.                                   | 1.7 | 35        |
| 85 | Activation of Corticotropin-Releasing Factor Receptor 1 Selectively Inhibits Ca <sub>v</sub> 3.2 T-Type Calcium Channels. <i>Molecular Pharmacology</i> , 2008, 73, 1596-1609.   | 1.0 | 62        |
| 86 | Selective Inhibition of Cav3.3 T-type Calcium Channels by G <sub>i</sub> /11-coupled Muscarinic Acetylcholine Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 21043-21055.  | 1.6 | 42        |
| 87 | Molecular Mechanisms of Subtype-Specific Inhibition of Neuronal T-Type Calcium Channels by Ascorbate. <i>Journal of Neuroscience</i> , 2007, 27, 12577-12583.  | 1.7 | 121       |
| 88 | The Sodium "Leak" Has Finally Been Plugged. <i>Neuron</i> , 2007, 54, 505-507.   | 3.8 | 32        |
| 89 | A Putative Cation Channel and Its Novel Regulator: Cross-Species Conservation of Effects on General Anesthesia. <i>Current Biology</i> , 2007, 17, 624-629.  | 1.8 | 101       |
| 90 | UNC-80 and the NCA Ion Channels Contribute to Endocytosis Defects in Synaptojanin Mutants. <i>Current Biology</i> , 2007, 17, 1595-1600.   | 1.8 | 90        |

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|-----|---|-----|-----------|
| 91  | Leftward Shift in the Voltage-Dependence for Ca <sup>2+</sup> Currents Activation Induced by a New Toxin from <i>Phoneutria reidy</i> (Araneae, Ctenidae) Venom. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 129-146.          | 1.7 | 11        |
| 92  | Contributions of T-type calcium channels to the pathophysiology of pain signaling. <i>Drug Discovery Today Disease Mechanisms</i> , 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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5555-5560. | 3.3 | 181       |
| 94  | Temperature dependence of T-type calcium channel gating. <i>Neuroscience</i> , 2006, 142, 1031-1042.  | 1.1 | 63        |
| 95  | CaV3 T-type calcium channel isoforms differentially distribute to somatic and dendritic compartments in rat central neurons. <i>European Journal of Neuroscience</i> , 2006, 24, 2581-2594.   | 1.2 | 167       |
| 96  | Functional Analysis of Cav3.2 T-type Calcium Channel Mutations Linked to Childhood Absence Epilepsy. <i>Epilepsia</i> , 2006, 47, 655-658.  | 2.6 | 64        |
| 97  | T-type calcium channels: an emerging therapeutic target for the treatment of pain. <i>Drug Development Research</i> , 2006, 67, 404-415.  | 1.4 | 16        |
| 98  | Effects of Cav3.2 channel mutations linked to idiopathic generalized epilepsy. <i>Annals of Neurology</i> , 2005, 57, 745-749.  | 2.8 | 110       |
| 99  | The <i>C. elegans</i> T-type calcium channel CCA-1 boosts neuromuscular transmission. <i>Journal of Experimental Biology</i> , 2005, 208, 2191-2203.  | 0.8 | 68        |
| 100 | Inhibition of High Voltage-Activated Calcium Channels by Spider Toxin PnTx3-6. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1370-1377.   | 1.3 | 102       |
| 101 | Silencing of the Cav3.2 T-type calcium channel gene in sensory neurons demonstrates its major role in nociception. <i>EMBO Journal</i> , 2005, 24, 315-324.   | 3.5 | 388       |
| 102 | International Union of Pharmacology. XLVIII. Nomenclature and Structure-Function Relationships of Voltage-Gated Calcium Channels. <i>Pharmacological Reviews</i> , 2005, 57, 411-425.   | 7.1 | 1,110     |
| 103 | Targeting chronic and neuropathic pain: The N-type calcium channel comes of age. <i>NeuroRx</i> , 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. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 805-813.   | 1.3 | 71        |
| 106 | The CACNA1F Gene Encodes an L-Type Calcium Channel with Unique Biophysical Properties and Tissue Distribution. <i>Journal of Neuroscience</i> , 2004, 24, 1707-1718.  | 1.7 | 183       |
| 107 | Gating Effects of Mutations in the Cav3.2 T-type Calcium Channel Associated with Childhood Absence Epilepsy. <i>Journal of Biological Chemistry</i> , 2004, 279, 9681-9684.   | 1.6 | 155       |
| 108 | Functional implications of a novel EA2 mutation in the P/Q-type calcium channel. <i>Annals of Neurology</i> , 2004, 56, 213-220.  | 2.8 | 72        |



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|-----|---|-----|-----------|
| 109 | Molecular and functional insights into voltage-gated calcium channels. <i>Advances in Molecular and Cell Biology</i> , 2004, 32, 381-406.   | 0.1 | 0         |
| 110 | Malaysian Siblings with Friedreich Ataxia and Chorea: A Novel Deletion in the Frataxin Gene. <i>Canadian Journal of Neurological Sciences</i> , 2004, 31, 383-386.  | 0.3 | 23        |
| 111 | Pseudomigraine With Lymphocytic Pleocytosis: A Calcium Channelopathy? Clinical Description of 10 Cases and Genetic Analysis of the Familial Hemiplegic Migraine Gene CACNA1A. <i>Headache</i> , 2003, 43, 892-895.  | 1.8 | 43        |
| 112 | International Union of Pharmacology. XL. Compendium of Voltage-Gated Ion Channels: Calcium Channels. <i>Pharmacological Reviews</i> , 2003, 55, 579-581.  | 7.1 | 221       |
| 113 | Critical Residues of the <i>Caenorhabditis elegans</i> unc-2 Voltage-Gated Calcium Channel That Affect Behavioral and Physiological Properties. <i>Journal of Neuroscience</i> , 2003, 23, 6537-6545.               | 1.7 | 64        |
| 114 | Differential Inhibition of T-Type Calcium Channels by Neuroleptics. <i>Journal of Neuroscience</i> , 2002, 22, 396-403.   | 1.7 | 165       |
| 115 | Mutation analysis of the sodium/hydrogen exchanger gene (NHE5) in familial paroxysmal kinesigenic dyskinesia. <i>Journal of Neural Transmission</i> , 2002, 109, 1189-1194.   | 1.4 | 12        |
| 116 | Modulating Modulation: Crosstalk Between Regulatory Pathways of Presynaptic Calcium Channels. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2002, 2, 476-478. | 3.4 | 16        |
| 117 | Gabapentin: A novel analgesic targeting voltage-gated calcium channels. <i>Drug Development Research</i> , 2001, 54, 167-172.   | 1.4 | 24        |
| 118 | Amino Acid Residues Outside of the Pore Region Contribute to N-type Calcium Channel Permeation. <i>Journal of Biological Chemistry</i> , 2001, 276, 5726-5730.  | 1.6 | 45        |
| 119 | Residue Gly1326 of the N-type Calcium Channel $\alpha_1B$ Subunit Controls Reversibility of $\omega$ -Conotoxin GVIA and MVIIA Block. <i>Journal of Biological Chemistry</i> , 2001, 276, 15728-15735.              | 1.6 | 87        |
| 120 | Molecular and Functional Characterization of a Family of Rat Brain T-type Calcium Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 3999-4011.  | 1.6 | 227       |
| 121 | Voltage-Gated Calcium Channels Direct Neuronal Migration in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2000, 226, 104-117.  | 0.9 | 46        |
| 122 | Nomenclature of Voltage-Gated Calcium Channels. <i>Neuron</i> , 2000, 25, 533-535.  | 3.8 | 868       |
| 123 | Determinants of voltage-dependent inactivation affect Mibefradil block of calcium channels. <i>Neuropharmacology</i> , 2000, 39, 1-10.  | 2.0 | 65        |
| 124 | A New $\alpha_2$ Subtype-specific Interaction in $\alpha_1A$ Subunit Controls P/Q-type $Ca^{2+}$ Channel Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 12383-12390.                               | 1.6 | 79        |
| 125 | Identification of an Integration Center for Cross-talk between Protein Kinase C and G Protein Modulation of N-type Calcium Channels. <i>Journal of Biological Chemistry</i> , 1999, 274, 6195-6202.                 | 1.6 | 120       |
| 126 | $\alpha_1B$ N-Type Calcium Channel Isoforms with Distinct Biophysical Properties. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 118-130.   | 1.8 | 19        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | P/Q-type calcium channels mediate the activity-dependent feedback of syntaxin-1A. <i>Nature</i> , 1999, 401, 800-804.   | 13.7 | 142       |
| 128 | Volatile anesthetic inhibition of neuronal Ca channel currents expressed in <i>Xenopus</i> oocytes. <i>Brain Research</i> , 1999, 831, 85-96.   | 1.1  | 44        |
| 129 | Modulation of voltage-dependent calcium channels by G proteins. <i>Current Opinion in Neurobiology</i> , 1998, 8, 351-356.  | 2.0  | 195       |
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