## Essential role of TRPC channels in the guidance of nerve neurotrophic factor

Nature 434, 894-898 DOI: 10.1038/nature03477

**Citation Report** 

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 2  | XTRPC1-dependent chemotropic guidance of neuronal growth cones. Nature Neuroscience, 2005, 8, 730-735.  | 7.1  | 151       |
| 3  | Functional role of TRPC proteins in native systems: implications from knockout and knock-down studies. Journal of Physiology, 2005, 567, 59-66.   | 1.3  | 90        |
| 4  | Requirement of TRPC channels in netrin-1-induced chemotropic turning of nerve growth cones.<br>Nature, 2005, 434, 898-904.  | 13.7 | 281       |
| 5  | Channels for pathfinding. Nature, 2005, 434, 835-837.   | 13.7 | 22        |
| 6  | Two's company. Nature, 2005, 434, 838-838.  | 13.7 | 1         |
| 7  | TRP channels: An overview. Cell Calcium, 2005, 38, 233-252.   | 1.1  | 688       |
| 8  | Phospholipase C-γ: diverse roles in receptor-mediated calcium signaling. Trends in Biochemical Sciences, 2005, 30, 688-697.   | 3.7  | 105       |
| 9  | Smaller inner ear sensory epithelia in Neurog1 null mice are related to earlier hair cell cycle exit.<br>Developmental Dynamics, 2005, 234, 633-650.  | 0.8  | 373       |
| 10 | Functionality of the TRPV subfamily of TRP ion channels: add mechano-TRP and osmo-TRP to the lexicon!. Cellular and Molecular Life Sciences, 2005, 62, 2985-3001.   | 2.4  | 132       |
| 11 | Multiple roles of calmodulin and other Ca2+-binding proteins in the functional regulation of TRP channels. Pflugers Archiv European Journal of Physiology, 2005, 451, 105-115.                              | 1.3  | 172       |
| 12 | The diacylgylcerol-sensitive TRPC3/6/7 subfamily of cation channels: functional characterization and physiological relevance. Pflugers Archiv European Journal of Physiology, 2005, 451, 72-80.             | 1.3  | 132       |
| 13 | TRPC channels as signal transducers. Pflugers Archiv European Journal of Physiology, 2005, 451, 125-130.  | 1.3  | 44        |
| 14 | Regulation of TRP Channels by Phosphorylation. NeuroSignals, 2005, 14, 273-280.   | 0.5  | 67        |
| 15 | Slit or pore? A mutation of the ion channel TRPC6 causes FSGS. Nephrology Dialysis Transplantation, 2005, 20, 1777-1779.  | 0.4  | 10        |
| 16 | The non-selective cation-permeable channel TRPC3 is a tetrahedron with a cap on the large cytoplasmic end. Biochemical and Biophysical Research Communications, 2005, 333, 768-777.                         | 1.0  | 40        |
| 17 | Muscarinic acetylcholine receptors as effector sites for present and future therapeutic applications:<br>focus on non-neural cholinergic systems. Expert Opinion on Therapeutic Patents, 2006, 16, 481-491. | 2.4  | 2         |
| 18 | Regulation of the mechanosensitive cation channels by ATP and cAMP in leech neurons. Biochimica Et<br>Biophysica Acta - Biomembranes, 2006, 1758, 666-672.  | 1.4  | 9         |
| 19 | AN INTRODUCTION TO TRP CHANNELS. Annual Review of Physiology, 2006, 68, 619-647.  | 5.6  | 1,378     |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 20 | Nociceptor-derived brain-derived neurotrophic factor regulates acute and inflammatory but not neuropathic pain. Molecular and Cellular Neurosciences, 2006, 31, 539-548.   | 1.0  | 148       |
| 21 | TRPC6 in glomerular health and disease: What we know and what we believe. Seminars in Cell and<br>Developmental Biology, 2006, 17, 667-674.  | 2.3  | 22        |
| 22 | Molecular mechanisms of axon guidance. Developmental Biology, 2006, 292, 13-24.  | 0.9  | 252       |
| 23 | Epithelial overexpression of BDNF and NT4 produces distinct gustatory axon morphologies that disrupt initial targeting. Developmental Biology, 2006, 292, 457-468.   | 0.9  | 39        |
| 24 | Selective labeling of central and peripheral sensory neurons in the developing zebrafish using P2X3 receptor subunit transgenes. Neuroscience, 2006, 138, 641-652.   | 1.1  | 54        |
| 25 | Ca2+ signaling microdomains:platforms for the assembly andregulation of TRPC channels. Trends in Pharmacological Sciences, 2006, 27, 25-32.  | 4.0  | 97        |
| 26 | Differential downâ€regulation of voltageâ€gated calcium channel currents by glutamate and BDNF in embryonic cortical neurons. European Journal of Neuroscience, 2006, 24, 699-708.   | 1.2  | 14        |
| 27 | Capsaicin, transient receptor potential (TRP) protein subfamilies and the particular relationship<br>between capsaicin receptors and small primary sensory neurons. Kaibogaku Zasshi Journal of Anatomy,<br>2006, 81, 135-155. | 1.2  | 43        |
| 28 | An essential role for β-actin mRNA localization and translation in Ca2+-dependent growth cone guidance. Nature Neuroscience, 2006, 9, 1265-1273.   | 7.1  | 339       |
| 29 | Asymmetrical Î2-actin mRNA translation in growth cones mediates attractive turning to netrin-1. Nature Neuroscience, 2006, 9, 1247-1256.   | 7.1  | 443       |
| 30 | The molecular basis for calcium-dependent axon pathfinding. Nature Reviews Neuroscience, 2006, 7,<br>115-125.  | 4.9  | 321       |
| 31 | Electrical activity in early neuronal development. Nature, 2006, 444, 707-712.   | 13.7 | 655       |
| 32 | Calcium-sensing mechanism in TRPC5 channels contributing to retardation of neurite outgrowth.<br>Journal of Physiology, 2006, 572, 165-172.  | 1.3  | 88        |
| 33 | Effects of intracellular pH and Ca2+ on the activity of stretch-sensitive cation channels in leech<br>neurons. Pflugers Archiv European Journal of Physiology, 2006, 452, 435-443.   | 1.3  | 5         |
| 34 | Neurotrophin signaling: many exciting surprises!. Cellular and Molecular Life Sciences, 2006, 63, 1523-1537.   | 2.4  | 242       |
| 35 | Functional organization of TRPC-Ca2+ channels and regulation of calcium microdomains. Cell<br>Calcium, 2006, 40, 495-504.  | 1.1  | 78        |
| 36 | Directional guidance of nerve growth cones. Current Opinion in Neurobiology, 2006, 16, 52-58.  | 2.0  | 109       |
| 37 | Imidazole-induced elevations of intracellular calcium in HL-60 cells: effect of inhibition of phospholipase C by the steroidal maleimide U73122. Drug Development Research, 2006, 67, 519-534.                                 | 1.4  | 0         |

| #  | Article   | IF  | Citations |
|----|---|-----|-----------|
| 38 | Expression of canonical transient receptor potential (TRPC) proteins in human glomerular mesangial cells. American Journal of Physiology - Renal Physiology, 2006, 290, F1507-F1515.  | 1.3 | 78        |
| 39 | Ca2+ Influx through Mechanosensitive Channels Inhibits Neurite Outgrowth in Opposition to Other<br>Influx Pathways and Release from Intracellular Stores. Journal of Neuroscience, 2006, 26, 5656-5664.   | 1.7 | 126       |
| 40 | Functional Coupling between TRPC3 and RyR1 Regulates the Expressions of Key Triadic Proteins*.<br>Journal of Biological Chemistry, 2006, 281, 10042-10048.  | 1.6 | 83        |
| 41 | CELL SIGNALING: The Double Life of a Transcription Factor Takes It Outside the Nucleus. Science, 2006, 314, 64-65.  | 6.0 | 6         |
| 42 | Altered Balance of Glutamatergic/GABAergic Synaptic Input and Associated Changes in Dendrite<br>Morphology after BDNF Expression in BDNF-Deficient Hippocampal Neurons. Journal of Neuroscience,<br>2006, 26, 7189-7200.  | 1.7 | 59        |
| 43 | Mechanism of Ca2+ increase in myoblasts derived from chicken embryos. Journal of Electron<br>Microscopy, 2006, 55, 265-271.   | 0.9 | 2         |
| 44 | Temporally and spatially coordinated roles for Rho, Rac, Cdc42 and their effectors in growth cone guidance by a physiological electric field. Journal of Cell Science, 2006, 119, 1723-1735.  | 1.2 | 100       |
| 45 | Induction of TRPC6 Channel in Acquired Forms of Proteinuric Kidney Disease. Journal of the American<br>Society of Nephrology: JASN, 2007, 18, 29-36.  | 3.0 | 272       |
| 46 | Induction of Calcium Influx through TRPC5 Channels by Cross-Linking of GM1 Ganglioside Associated with α5β1 Integrin Initiates Neurite Outgrowth. Journal of Neuroscience, 2007, 27, 7447-7458.   | 1.7 | 100       |
| 47 | BMP gradients steer nerve growth cones by a balancing act of LIM kinase and Slingshot phosphatase<br>on ADF/cofilin. Journal of Cell Biology, 2007, 178, 107-119.   | 2.3 | 166       |
| 48 | Mechanisms of Gradient Detection: A Comparison of Axon Pathfinding with Eukaryotic Cell Migration.<br>International Review of Cytology, 2007, 263, 1-62.  | 6.2 | 55        |
| 49 | Vasopressin-induced membrane trafficking of TRPC3 and AQP2 channels in cells of the rat renal collecting duct. American Journal of Physiology - Renal Physiology, 2007, 293, F1476-F1488.   | 1.3 | 58        |
| 50 | A Local Reduction in Cortical GABAergic Synapses after a Loss of Endogenous Brain-Derived<br>Neurotrophic Factor, as Revealed by Single-Cell Gene Knock-Out Method. Journal of Neuroscience,<br>2007, 27, 7234-7244.  | 1.7 | 120       |
| 51 | Subunit Dissociation of Trpc3 Ion Channel Under High-Salt Condition. Journal of Electron Microscopy, 2007, 56, 111-117.   | 0.9 | 5         |
| 52 | Mechanosensitive Channels in Neurite Outgrowth. Current Topics in Membranes, 2007, 59, 111-125.   | 0.5 | 6         |
| 53 | Ca <sup>2+</sup> influx is an essential component of the positive-feedback loop that maintains<br>leading-edge structure and activity in macrophages. Proceedings of the National Academy of Sciences<br>of the United States of America, 2007, 104, 16176-16181. | 3.3 | 131       |
| 54 | Some recent advances in basic neuroscience research in China. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1083-1092.   | 1.8 | 2         |
| 55 | Axon Growth and Guidance. Advances in Experimental Medicine and Biology, 2007, , .  | 0.8 | 6         |

| #  | Article  | IF   | Citations |
|----|--|------|-----------|
| 56 | The Tyrosine Kinase Fyn Determines the Localization of TrkB Receptors in Lipid Rafts. Journal of Neuroscience, 2007, 27, 4859-4869.  | 1.7  | 97        |
| 57 | TRPC3 Channels Are Necessary for Brain-Derived Neurotrophic Factor to Activate a Nonselective<br>Cationic Current and to Induce Dendritic Spine Formation. Journal of Neuroscience, 2007, 27, 5179-5189. | 1.7  | 181       |
| 58 | Hyperforin—a key constituent of St. John's wort specifically activates TRPC6 channels. FASEB Journal,<br>2007, 21, 4101-4111.  | 0.2  | 224       |
| 59 | BDNF Induces Calcium Elevations Associated With <i>I</i> <sub>BDNF</sub> , a Nonselective Cationic<br>Current Mediated by TRPC Channels. Journal of Neurophysiology, 2007, 98, 2476-2482.                | 0.9  | 62        |
| 60 | TRPC6., 2007, , 125-141.   |      | 71        |
| 61 | TRPC6 and FSCS: The latest TRP channelopathy. Biochimica Et Biophysica Acta - Molecular Basis of<br>Disease, 2007, 1772, 859-868.  | 1.8  | 64        |
| 62 | TRP's: Links to schizophrenia?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772,<br>968-977.  | 1.8  | 22        |
| 63 | Semaphorin-3F attracts the growth cone of cerebellar granule cells through cGMP signaling pathway. Biochemical and Biophysical Research Communications, 2007, 356, 857-863.                              | 1.0  | 18        |
| 64 | Long-Range Ca2+ Signaling from Growth Cone to Soma Mediates Reversal of Neuronal Migration<br>Induced by Slit-2. Cell, 2007, 129, 385-395.   | 13.5 | 139       |
| 65 | Activation of TRPC6 calcium channels by diacylglycerol (DAG)-containing arachidonic acid: A comparative study with DAG-containing docosahexaenoic acid. Biochimie, 2007, 89, 926-937.                    | 1.3  | 38        |
| 66 | Transient receptor potential channels as drug targets. Expert Opinion on Therapeutic Targets, 2007, 11,<br>391-401.  | 1.5  | 16        |
| 67 | The TRPC3 Channel Has a Large Internal Chamber Surrounded by Signal Sensing Antennas. Journal of<br>Molecular Biology, 2007, 367, 373-383.   | 2.0  | 82        |
| 68 | Immunohistochemical localization of TRPC6 in the rat substantia nigra. Neuroscience Letters, 2007, 424, 170-174.   | 1.0  | 30        |
| 69 | Neurotrophic factors for the treatment of Parkinson's disease. Parkinsonism and Related Disorders, 2007, 13, S321-S328.  | 1.1  | 17        |
| 71 | Life sciences and biotechnology in China. Philosophical Transactions of the Royal Society B:<br>Biological Sciences, 2007, 362, 947-957.   | 1.8  | 35        |
| 72 | Defective Ca2+ channel clustering in axon terminals disturbs excitability in motoneurons in spinal muscular atrophy. Journal of Cell Biology, 2007, 179, 139-149.  | 2.3  | 154       |
| 73 | Transient Receptor Potential Cation Channels in Disease. Physiological Reviews, 2007, 87, 165-217.   | 13.1 | 1,260     |
| 74 | TRP Channels. Annual Review of Biochemistry, 2007, 76, 387-417.  | 5.0  | 1,768     |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 75 | Metabotropic Glutamate Receptors in the Lateral Superior Olive Activate TRP-Like Channels: Age- and Experience-Dependent Regulation. Journal of Neurophysiology, 2007, 97, 3365-3375.   | 0.9 | 23        |
| 76 | Nervous Regenerative Engineering. , 0, , 499-583.   |     | Ο         |
| 77 | Ocular Regenerative Engineering. , 0, , 964-1006.   |     | 0         |
| 78 | Something old, something new: BDNF-induced neuron survival requires TRPC channel function.<br>Nature Neuroscience, 2007, 10, 537-538.   | 7.1 | 39        |
| 79 | The feeling of looking. Nature Neuroscience, 2007, 10, 538-540.   | 7.1 | 4         |
| 80 | Attractive axon guidance involves asymmetric membrane transport and exocytosis in the growth cone. Nature Neuroscience, 2007, 10, 58-66.  | 7.1 | 139       |
| 81 | TRPC channels promote cerebellar granule neuron survival. Nature Neuroscience, 2007, 10, 559-567.   | 7.1 | 219       |
| 82 | High-efficiency transfection of mammalian neurons via nucleofection. Nature Protocols, 2007, 2, 1692-1704.  | 5.5 | 107       |
| 83 | Nitric oxide regulates growth cone filopodial dynamics via ryanodine receptorâ€mediated calcium<br>release. European Journal of Neuroscience, 2007, 26, 1537-1547.  | 1.2 | 22        |
| 84 | Group I metabotropic glutamate receptor-dependent TRPC channel trafficking in hippocampal neurons.<br>Journal of Neurochemistry, 2007, 101, 411-421.  | 2.1 | 38        |
| 85 | TRPV1 at nerve endings regulates growth cone morphology and movement through cytoskeleton reorganization. FEBS Journal, 2007, 274, 760-772.   | 2.2 | 80        |
| 86 | Changes in TRPC channel expression during postnatal development of cerebellar neurons. Cell<br>Calcium, 2007, 42, 1-10.   | 1.1 | 68        |
| 87 | Transient receptor potential channels as novel effectors of brain-derived neurotrophic factor signaling: Potential implications for Rett syndrome. , 2007, 113, 394-409.  |     | 48        |
| 88 | Actin up: regulation of podocyte structure and function by components of the actin cytoskeleton.<br>Trends in Cell Biology, 2007, 17, 428-437.  | 3.6 | 474       |
| 89 | Organization and function of TRPC channelosomes. Pflugers Archiv European Journal of Physiology, 2007, 455, 187-200.  | 1.3 | 78        |
| 90 | Distribution of TRPC4 in developing and adult murine brain. Cell and Tissue Research, 2007, 328, 651-656.   | 1.5 | 38        |
| 91 | Surface modification of polydimethylsiloxane (PDMS) induced proliferation and neural-like cells<br>differentiation of umbilical cord blood-derived mesenchymal stem cells. Journal of Materials Science:<br>Materials in Medicine, 2008, 19, 2953-2962. | 1.7 | 55        |
| 92 | TRPC1 channels regulate directionality of migrating cells. Pflugers Archiv European Journal of Physiology, 2008, 457, 475-484.  | 1.3 | 71        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 93  | Differential expression of canonical (classical) transient receptor potential channels in guinea pig enteric nervous system. Journal of Comparative Neurology, 2008, 511, 847-862.  | 0.9 | 22        |
| 94  | Glutamate and Neurotrophic Factors in Neuronal Plasticity and Disease. Annals of the New York<br>Academy of Sciences, 2008, 1144, 97-112.   | 1.8 | 525       |
| 95  | Submembraneous microtubule cytoskeleton: biochemical and functional interplay of TRP channels with the cytoskeleton. FEBS Journal, 2008, 275, 4684-4699.  | 2.2 | 34        |
| 96  | Brainâ€derived neurotrophic factor enhances the excitability of rat sensory neurons through<br>activation of the p75 neurotrophin receptor and the sphingomyelin pathway. Journal of Physiology,<br>2008, 586, 3113-3127. | 1.3 | 46        |
| 97  | Ca <sup>2+</sup> microdomains near plasma membrane Ca <sup>2+</sup> channels: impact on cell function. Journal of Physiology, 2008, 586, 3043-3054.   | 1.3 | 204       |
| 98  | Actin-binding proteins take the reins in growth cones. Nature Reviews Neuroscience, 2008, 9, 136-147.   | 4.9 | 170       |
| 99  | Critical role of TRPC6 channels in the formation of excitatory synapses. Nature Neuroscience, 2008, 11, 741-743.  | 7.1 | 186       |
| 100 | Semaphorin-3A guides radial migration of cortical neurons during development. Nature Neuroscience, 2008, 11, 36-44.   | 7.1 | 212       |
| 101 | Expression and localisation of TRPC channels in immortalised GnRH neurons. Brain Research, 2008, 1230, 27-36.   | 1.1 | 8         |
| 102 | Permissive and Repulsive Cues and Signalling Pathways of Axonal Outgrowth and Regeneration.<br>International Review of Cell and Molecular Biology, 2008, 267, 125-181.  | 1.6 | 94        |
| 103 | Role of IGF Signaling in Olfactory Sensory Map Formation and Axon Guidance. Neuron, 2008, 57,<br>847-857.   | 3.8 | 79        |
| 104 | TRPC3 Channels Are Required for Synaptic Transmission and Motor Coordination. Neuron, 2008, 59, 392-398.  | 3.8 | 356       |
| 105 | Neuronal TRP channels: thermometers, pathfinders and life-savers. Trends in Neurosciences, 2008, 31, 287-295.   | 4.2 | 152       |
| 106 | Interaction with dopamine D2 receptor enhances expression of transient receptor potential channel 1 at the cell surface. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 974-982.                               | 1.4 | 28        |
| 107 | Analysis of TRPC3-Interacting Proteins by Tandem Mass Spectrometry. Journal of Proteome Research, 2008, 7, 979-989.   | 1.8 | 24        |
| 108 | TRPC6 channels promote dendritic growth via the CaMKIV-CREB pathway. Journal of Cell Science, 2008, 121, 2301-2307.   | 1.2 | 155       |
| 109 | TRPC3-interacting triadic proteins in skeletal muscle. Biochemical Journal, 2008, 411, 399-405.   | 1.7 | 59        |
| 110 | TRPC4 in Rat Dorsal Root Ganglion Neurons Is Increased after Nerve Injury and Is Necessary for Neurite Outgrowth. Journal of Biological Chemistry, 2008, 283, 416-426.  | 1.6 | 76        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 111 | TRP_2, a Lipid/Trafficking Domain That Mediates Diacylglycerol-induced Vesicle Fusion. Journal of<br>Biological Chemistry, 2008, 283, 34384-34392.  | 1.6 | 26        |
| 112 | Visualizing mRNA Localization and Local Protein Translation in Neurons. Methods in Cell Biology, 2008, 85, 293-327.   | 0.5 | 23        |
| 113 | Rho inhibition recruits DCC to the neuronal plasma membrane and enhances axon chemoattraction to netrin 1. Development (Cambridge), 2008, 135, 2855-2864.   | 1.2 | 67        |
| 114 | Specific TRPC6 Channel Activation, a Novel Approach to Stimulate Keratinocyte Differentiation.<br>Journal of Biological Chemistry, 2008, 283, 33942-33954.  | 1.6 | 98        |
| 115 | Transient Receptor Potential Canonical 5 Channels Activate Ca <sup>2+</sup> /Calmodulin Kinase IÎ <sup>3</sup> to<br>Promote Axon Formation in Hippocampal Neurons. Journal of Neuroscience, 2009, 29, 9794-9808. | 1.7 | 81        |
| 116 | Physiology and pathophysiology of canonical transient receptor potential channels. FASEB Journal, 2009, 23, 297-328.  | 0.2 | 291       |
| 117 | A Pathogenic C Terminus-truncated Polycystin-2 Mutant Enhances Receptor-activated Ca2+ Entry via Association with TRPC3 and TRPC7. Journal of Biological Chemistry, 2009, 284, 34400-34412.                       | 1.6 | 32        |
| 118 | Characterization of Rhythmic Ca2+ Transients in Early Embryonic Chick Motoneurons: Ca2+ Sources and Effects of Altered Activation of Transmitter Receptors. Journal of Neuroscience, 2009, 29, 15232-15244.       | 1.7 | 33        |
| 119 | Brain-Derived Neurotrophic Factor Induces Sustained Elevation of Intracellular Ca2+ in Rodent<br>Microglia. Journal of Immunology, 2009, 183, 7778-7786.  | 0.4 | 61        |
| 120 | Wnt5a Induces Simultaneous Cortical Axon Outgrowth and Repulsive Axon Guidance through Distinct Signaling Mechanisms. Journal of Neuroscience, 2009, 29, 5873-5883.   | 1.7 | 146       |
| 121 | TRPC3 protein is expressed across the lifespan in human prefrontal cortex and cerebellum. Brain<br>Research, 2009, 1260, 1-6.   | 1.1 | 15        |
| 122 | Emerging mechanisms in morphogenâ€mediated axon guidance. BioEssays, 2009, 31, 1013-1025.   | 1.2 | 80        |
| 123 | Heterogeneous distribution of TRPC proteins in the embryonic cortex. Histochemistry and Cell<br>Biology, 2009, 131, 355-363.  | 0.8 | 29        |
| 124 | Functional roles of TRPC channels in the developing brain. Pflugers Archiv European Journal of Physiology, 2009, 458, 283-289.  | 1.3 | 59        |
| 125 | BDNF signaling in the formation, maturation and plasticity of glutamatergic and GABAergic synapses.<br>Experimental Brain Research, 2009, 199, 203-234.   | 0.7 | 257       |
| 126 | Homer regulates calcium signalling in growth cone turning. Neural Development, 2009, 4, 29.   | 1.1 | 37        |
| 127 | Developmental roles for Homer: more than just a pretty scaffold. Journal of Neurochemistry, 2009, 108, 1-10.  | 2.1 | 44        |
| 128 | Peptidyl-Prolyl Isomerase FKBP52 Controls Chemotropic Guidance of Neuronal Growth Cones via<br>Regulation of TRPC1 Channel Opening. Neuron, 2009, 64, 471-483.  | 3.8 | 67        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 129 | TRPV1 expression and activity during retinoic acid-induced neuronal differentiation. Neurochemistry International, 2009, 55, 768-774.  | 1.9 | 36        |
| 130 | Influence of brain-derived neurotrophic factor on pathfinding of dentate granule cell axons, the hippocampal mossy fibers. Molecular Brain, 2009, 2, 2.                                  | 1.3 | 14        |
| 131 | Control of Neuronal Growth Cone Navigation by Asymmetric Inositol 1,4,5-Trisphosphate Signals.<br>Science Signaling, 2009, 2, ra34.  | 1.6 | 43        |
| 132 | Mechanosensitive Channels in Striated Muscle and the Cardiovascular System: Not Quite a Stretch<br>Anymore. Journal of Cardiovascular Pharmacology, 2009, 54, 116-122.                   | 0.8 | 24        |
| 134 | Developmental regulation of TRPC3 ion channel expression in the mouse cochlea. Histochemistry and Cell Biology, 2010, 133, 437-448.  | 0.8 | 23        |
| 135 | The puzzling role of TRPC3 channels in motor coordination. Pflugers Archiv European Journal of Physiology, 2010, 459, 369-375.   | 1.3 | 20        |
| 136 | Axon guidance and neuronal migration research in China. Science China Life Sciences, 2010, 53, 304-314.  | 2.3 | 10        |
| 137 | Association Study of TRPC4 as a Candidate Gene for Generalized Epilepsy with Photosensitivity.<br>NeuroMolecular Medicine, 2010, 12, 292-299.  | 1.8 | 25        |
| 138 | Ion channels in monocytes and microglia / brain macrophages: Promising therapeutic targets for neurological diseases. Journal of Neuroimmunology, 2010, 224, 51-55.                      | 1.1 | 52        |
| 139 | Functional distinctions in cytosolic calcium regulation between cells of the glomerular filtration barrier. Cell Calcium, 2010, 48, 44-53.   | 1.1 | 8         |
| 140 | Selective interference with TRPC3/6 channels disrupts OX1 receptor signalling via NCX and reveals a distinct calcium influx pathway. Cell Calcium, 2010, 48, 114-123.                    | 1.1 | 23        |
| 141 | Mice deficient in brainâ€derived neurotrophic factor have altered development of gastric vagal sensory innervation. Journal of Comparative Neurology, 2010, 518, 2934-2951.              | 0.9 | 28        |
| 142 | Postsynaptic BDNFâ€TrkB signaling in synapse maturation, plasticity, and disease. Developmental Neurobiology, 2010, 70, 304-322.   | 1.5 | 590       |
| 143 | PLCÎ <sup>3</sup> -activated signalling is essential for TrkB mediated sensory neuron structural plasticity. BMC<br>Developmental Biology, 2010, 10, 103.                                | 2.1 | 25        |
| 144 | TRPM3 is expressed in sphingosineâ€responsive myelinating oligodendrocytes. Journal of<br>Neurochemistry, 2010, 114, 654-665.  | 2.1 | 61        |
| 145 | Role of c-Cbl–Dependent Regulation of Phospholipase Cγ1 Activation in Experimental Choroidal<br>Neovascularization. , 2010, 51, 6803.  |     | 17        |
| 146 | Matrix-Binding Vascular Endothelial Growth Factor (VEGF) Isoforms Guide Granule Cell Migration in the Cerebellum via VEGF Receptor Flk1. Journal of Neuroscience, 2010, 30, 15052-15066. | 1.7 | 75        |
| 147 | TRPV1 acts as a synaptic protein and regulates vesicle recycling. Journal of Cell Science, 2010, 123, 2045-2057.   | 1.2 | 51        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 148 | Essential Role of TRPC6 Channels in G2/M Phase Transition and Development of Human Glioma. Journal of the National Cancer Institute, 2010, 102, 1052-1068.   | 3.0 | 152       |
| 149 | TRPC6 Channel Protects Retinal Ganglion Cells in a Rat Model of Retinal Ischemia/Reperfusion-Induced Cell Death. , 2010, 51, 5751.   |     | 34        |
| 150 | Phosphatidylinositol 3-Kinase Facilitates Microtubule-dependent Membrane Transport for Neuronal<br>Growth Cone Guidance. Journal of Biological Chemistry, 2010, 285, 41740-41748.  | 1.6 | 40        |
| 151 | Human Sperm Thermotaxis Is Mediated by Phospholipase C and Inositol Trisphosphate Receptor Ca2+<br>Channel1. Biology of Reproduction, 2010, 82, 606-616.   | 1.2 | 69        |
| 152 | Simple 2,4-Diacylphloroglucinols as Classic Transient Receptor Potential-6 Activators—Identification of a Novel Pharmacophore. Molecular Pharmacology, 2010, 77, 368-377.  | 1.0 | 84        |
| 153 | TRPC3 cation channel plays an important role in proliferation and differentiation of skeletal muscle myoblasts. Experimental and Molecular Medicine, 2010, 42, 614.  | 3.2 | 23        |
| 154 | Signaling from Axon Guidance Receptors. Cold Spring Harbor Perspectives in Biology, 2010, 2, a001941-a001941.  | 2.3 | 203       |
| 155 | International Union of Basic and Clinical Pharmacology. LXXVI. Current Progress in the Mammalian<br>TRP Ion Channel Family. Pharmacological Reviews, 2010, 62, 381-404.  | 7.1 | 502       |
| 156 | TRPC1 Is Essential for In Vivo Angiogenesis in Zebrafish. Circulation Research, 2010, 106, 1221-1232.  | 2.0 | 90        |
| 157 | Leading Tip Drives Soma Translocation via Forward F-Actin Flow during Neuronal Migration. Journal of Neuroscience, 2010, 30, 10885-10898.  | 1.7 | 85        |
| 158 | Neurobiological Effects of Hyperforin and its Potential in Alzheimers Disease Therapy. Current<br>Medicinal Chemistry, 2010, 17, 391-406.  | 1.2 | 78        |
| 159 | Structural and functional regulation of growth cone, filopodia and synaptic sites by TRPV1.<br>Communicative and Integrative Biology, 2010, 3, 614-618.  | 0.6 | 13        |
| 160 | Taste cell formation does not require gustatory and somatosensory innervation. Neuroscience<br>Letters, 2010, 471, 189-194.  | 1.0 | 16        |
| 161 | Nestin is essential for mitogen-stimulated proliferation of neural progenitor cells. Molecular and<br>Cellular Neurosciences, 2010, 45, 26-36.   | 1.0 | 55        |
| 162 | TRPC3 ion channel subunit immunolocalization in the cochlea. Histochemistry and Cell Biology, 2010, 133, 137-147.  | 0.8 | 23        |
| 163 | Roles of channels and receptors in the growth cone during PNS axonal regeneration. Experimental Neurology, 2010, 223, 38-44.   | 2.0 | 38        |
| 164 | Flickering calcium microdomains signal turning of migrating cellsThis article is one of a selection of papers published in this special issue on Calcium Signaling Canadian Journal of Physiology and Pharmacology, 2010, 88, 105-110. | 0.7 | 27        |
| 165 | Emerging Roles of Canonical TRP Channels in Neuronal Function. Advances in Experimental Medicine and Biology, 2011, 704, 573-593.  | 0.8 | 46        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 166 | Evidence for a supportive role of classical transient receptor potential 6 (TRPC6) in the exploration behavior of mice. Physiology and Behavior, 2011, 102, 245-250.                                   | 1.0 | 15        |
| 167 | TRP Channels and Psychiatric Disorders. Advances in Experimental Medicine and Biology, 2011, 704, 987-1009.  | 0.8 | 23        |
| 168 | Netrin-1-Induced Local Â-Actin Synthesis and Growth Cone Guidance Requires Zipcode Binding Protein 1.<br>Journal of Neuroscience, 2011, 31, 9800-9813.   | 1.7 | 132       |
| 169 | Signaling Mechanisms in Cortical Axon Growth, Guidance, and Branching. Frontiers in Neuroanatomy, 2011, 5, 62.   | 0.9 | 49        |
| 170 | Intrinsic phototransduction persists in melanopsin-expressing ganglion cells lacking<br>diacylglycerol-sensitive TRPC subunits. European Journal of Neuroscience, 2011, 33, 856-867.                   | 1.2 | 55        |
| 171 | Second messengers and membrane trafficking direct and organize growth cone steering. Nature Reviews Neuroscience, 2011, 12, 191-203.   | 4.9 | 172       |
| 172 | Intracardiac injection of matrigel induces stem cell recruitment and improves cardiac functions in a rat myocardial infarction model. Journal of Cellular and Molecular Medicine, 2011, 15, 1310-1318. | 1.6 | 72        |
| 173 | Transient receptor proteins illuminated: Current views on TRPs and disease. Veterinary Journal, 2011, 187, 153-164.  | 0.6 | 23        |
| 174 | Exploring phospholipase C-coupled Ca2+ signalling networks using boolean modelling. IET Systems<br>Biology, 2011, 5, 174-184.  | 0.8 | 5         |
| 175 | The role of store-operated calcium influx in skeletal muscle signaling. Cell Calcium, 2011, 49, 341-349.   | 1.1 | 60        |
| 176 | Calmodulin-kinases regulate basal and estrogen stimulated medulloblastoma migration via Rac1.<br>Journal of Neuro-Oncology, 2011, 104, 65-82.  | 1.4 | 19        |
| 177 | The history of TRP channels, a commentary and reflection. Pflugers Archiv European Journal of Physiology, 2011, 461, 499-506.  | 1.3 | 95        |
| 178 | Transient receptor potential canonical channels in angiogenesis and axon guidance. Cellular and Molecular Life Sciences, 2011, 68, 3815-3821.  | 2.4 | 5         |
| 179 | Transient receptor potential canonical channels are essential for chemotactic migration of human malignant gliomas. Journal of Cellular Physiology, 2011, 226, 1879-1888.                              | 2.0 | 109       |
| 180 | Wnt/calcium signaling mediates axon growth and guidance in the developing corpus callosum.<br>Developmental Neurobiology, 2011, 71, 269-283.   | 1.5 | 78        |
| 181 | Asymmetric PI(3,4,5)P <sub>3</sub> and Akt Signaling Mediates Chemotaxis of Axonal Growth Cones.<br>Journal of Neuroscience, 2011, 31, 7016-7027.  | 1.7 | 50        |
| 182 | Possible Role of BDNF-Induced Microglial Intracellular Ca <sup>2+</sup> Elevation in the<br>Pathophysiology of Neuropsychiatric Disorders. Mini-Reviews in Medicinal Chemistry, 2011, 11, 575-581.     | 1.1 | 14        |
| 183 | Postsynaptic TRPC1 Function Contributes to BDNF-Induced Synaptic Potentiation at the Developing Neuromuscular Junction. Journal of Neuroscience, 2011, 31, 14754-14762.                                | 1.7 | 21        |

| #        | Δρτιςι ε  | IF   | CITATIONS |
|----------|---|------|-----------|
| "<br>184 | TRPC6 Mutations in Children with Steroid-Resistant Nephrotic Syndrome and Atypical Phenotype.   | 2.2  | 89        |
| 185      | Calcium Signaling in Neuronal Motility: Pharmacological Tools for Investigating Specific Pathways.<br>Current Medicinal Chemistry, 2012, 19, 5793-5801.   | 1.2  | 3         |
| 186      | Activity-dependent BDNF release and TRPC signaling is impaired in hippocampal neurons of<br><i>Mecp2</i> mutant mice. Proceedings of the National Academy of Sciences of the United States of<br>America, 2012, 109, 17087-17092. | 3.3  | 74        |
| 187      | Activation of TRPC Cationic Channels by Mercurial Compounds Confers the Cytotoxicity of Mercury Exposure. Toxicological Sciences, 2012, 125, 56-68.   | 1.4  | 33        |
| 188      | Forward transport of proteins in the plasma membrane of migrating cerebellar granule cells.<br>Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3558-67.                              | 3.3  | 13        |
| 189      | Lack of Kinase Regulation of Canonical Transient Receptor Potential 3 (TRPC3) Channel-dependent<br>Currents in Cerebellar Purkinje Cells. Journal of Biological Chemistry, 2012, 287, 6326-6335.                                  | 1.6  | 20        |
| 190      | Alternative Splicing of the TRPC3 Ion Channel Calmodulin/IP <sub>3</sub> Receptor-Binding Domain in the Hindbrain Enhances Cation Flux. Journal of Neuroscience, 2012, 32, 11414-11423.   | 1.7  | 34        |
| 191      | Silencing TRPC1 expression inhibits invasion of CNE2 nasopharyngeal tumor cells. Oncology Reports, 2012, 27, 1548-54.   | 1.2  | 26        |
| 192      | Downregulation of PMCA2 or PMCA3 reorganizes Ca2+ handling systems in differentiating PC12 cells.<br>Cell Calcium, 2012, 52, 433-444.   | 1.1  | 24        |
| 193      | <scp>TRP</scp> Channels. , 2012, 2, 563-608.  |      | 134       |
| 194      | STIM1 is necessary for storeâ€operated calcium entry in turning growth cones. Journal of Neurochemistry, 2012, 122, 1155-1166.  | 2.1  | 43        |
| 195      | Intracellular signaling and membrane trafficking control bidirectional growth cone guidance.<br>Neuroscience Research, 2012, 73, 269-274.   | 1.0  | 18        |
| 196      | Diacylglycerol-containing oleic acid induces increases in [Ca2+]i via TRPC3/6 channels in human<br>T-cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 618-626.                            | 1.2  | 29        |
| 197      | <scp>TRPC</scp> 6 inhibited <scp>NMDA</scp> receptor activities and protected neurons from ischemic excitotoxicity. Journal of Neurochemistry, 2012, 123, 1010-1018.  | 2.1  | 47        |
| 198      | Role of Ion Channels and Transporters in Cell Migration. Physiological Reviews, 2012, 92, 1865-1913.  | 13.1 | 350       |
| 199      | 6.5 Mechanosensory Transduction. , 2012, , 108-141.   |      | 6         |
| 200      | Methods in Neuronal Growth Cone Biology. Methods in Pharmacology and Toxicology, 2012, , 239-252.   | 0.1  | 0         |
| 201      | TRPs in the Brain. , 2012, 163, 27-64.  |      | 59        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 202 | Mechanoregulation of cytoskeletal dynamics by TRP channels. European Journal of Cell Biology, 2012, 91, 834-846.   | 1.6 | 52        |
| 203 | Culturing of Cerebellar Granule Cells to Study Neuronal Migration: Gradient and Local Perfusion Assays. Current Protocols in Neuroscience, 2012, 60, Unit 3.26.  | 2.6 | 2         |
| 204 | Mass spectrometric analysis of novel phosphorylation sites in the TRPC4Î <sup>2</sup> channel. Rapid<br>Communications in Mass Spectrometry, 2012, 26, 1965-1970.  | 0.7 | 4         |
| 205 | Opposite regulatory effects of TRPC1 and TRPC5 on neurite outgrowth in PC12 cells. Cellular Signalling, 2012, 24, 899-906.   | 1.7 | 43        |
| 206 | Effect of non-steroidal anti-inflammatory drugs and new fenamate analogues on TRPC4 and TRPC5 channels. Biochemical Pharmacology, 2012, 83, 923-931.   | 2.0 | 34        |
| 207 | Analysis of laser-induced heating in optical neuronal guidance. Journal of Neuroscience Methods, 2012, 209, 168-177.   | 1.3 | 32        |
| 208 | Mechanisms controlling neurite outgrowth in a pheochromocytoma cell line: The role of TRPC channels. Journal of Cellular Physiology, 2012, 227, 1408-1419.   | 2.0 | 30        |
| 209 | Hyperforin modulates dendritic spine morphology in hippocampal pyramidal neurons by activating<br>Ca <sup>2+</sup> â€permeable TRPC6 channels. Hippocampus, 2013, 23, 40-52.   | 0.9 | 65        |
| 210 | Neonatal Morphine Administration Leads to Changes in Hippocampal BDNF Levels and Antioxidant<br>Enzyme Activity in the Adult Life of Rats. Neurochemical Research, 2013, 38, 494-503.  | 1.6 | 35        |
| 211 | Neuroprotective Effect of Resveratrol on Ischemia/Reperfusion Injury in Rats Through TRPC6/CREB<br>Pathways. Journal of Molecular Neuroscience, 2013, 50, 504-513.   | 1.1 | 73        |
| 212 | Calcium signals and FGF-2 induced neurite growth in cultured parasympathetic neurons: spatial<br>localization and mechanisms of activation. Pflugers Archiv European Journal of Physiology, 2013, 465,<br>1355-1370.   | 1.3 | 16        |
| 213 | Filopodia as sensors. Cellular Signalling, 2013, 25, 2298-2311.  | 1.7 | 108       |
| 214 | <scp>TRPC</scp> 6 channelâ€mediated neurite outgrowth in <scp>PC</scp> 12 cells and hippocampal<br>neurons involves activation of <scp>RAS</scp> / <scp>MEK</scp> / <scp>ERK</scp> , <scp> PI</scp> 3K, and<br><scp>CAMKIV</scp> signaling. Journal of Neurochemistry, 2013, 127, 303-313. | 2.1 | 71        |
| 215 | A critical role for STIM1 in filopodial calcium entry and axon guidance. Molecular Brain, 2013, 6, 51.   | 1.3 | 26        |
| 216 | Neurotrophins and Synaptogenesis. , 2013, , 639-658.   |     | 5         |
| 217 | Effect of glutamate receptor antagonists on migrating neural progenitor cells. European Journal of Neuroscience, 2013, 37, 1369-1382.  | 1.2 | 30        |
| 218 | The Reverse Roles of Transient Receptor Potential Canonical Channel-3 and -6 in Neuronal Death<br>Following Pilocarpine-Induced Status Epilepticus. Cellular and Molecular Neurobiology, 2013, 33,<br>99-109.  | 1.7 | 42        |
| 219 | Lamininâ€Î³1 chain and stress inducible protein 1 synergistically mediate<br>Pr <scp>P<sup>C</sup></scp> â€dependent axonal growth via Ca <sup>2+</sup> mobilization in dorsal<br>root ganglia neurons. Journal of Neurochemistry, 2013, 124, 210-223.                                     | 2.1 | 27        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 220 | Mechanosensitive TRPC1 Channels Promote Calpain Proteolysis of Talin to Regulate Spinal Axon<br>Outgrowth. Journal of Neuroscience, 2013, 33, 273-285.  | 1.7 | 120       |
| 221 | Hyperforin Attenuates Brain Damage Induced by Transient Middle Cerebral Artery Occlusion (MCAO) in<br>Rats via Inhibition of TRPC6 Channels Degradation. Journal of Cerebral Blood Flow and Metabolism,<br>2013, 33, 253-262.                   | 2.4 | 85        |
| 222 | Endothelial Transient Receptor Potential Conical Channel (TRPC)-3 Activation Induces Vasogenic<br>Edema Formation in the Rat Piriform Cortex Following Status Epilepticus. Cellular and Molecular<br>Neurobiology, 2013, 33, 575-585.           | 1.7 | 18        |
| 223 | Spatiotemporal resolution of BDNF neuroprotection against glutamate excitotoxicity in cultured hippocampal neurons. Neuroscience, 2013, 237, 66-86.   | 1.1 | 30        |
| 224 | Molecular Composition of Developing Clutamatergic Synapses. , 2013, , 497-519.  |     | 4         |
| 225 | Roles of Ion Transport in Control of Cell Motility. , 2013, 3, 59-119.  |     | 32        |
| 226 | Epidermal keratinocyte polarity and motility require Ca2+ influx through TRPV1. Journal of Cell<br>Science, 2013, 126, 4602-13.   | 1.2 | 32        |
| 227 | Chronic exposure to stress hormones alters the subtype of storeâ€operated channels expressed in H19â€7<br>hippocampal neuronal cells. Journal of Cellular Physiology, 2013, 228, 1332-1343.   | 2.0 | 6         |
| 228 | Increased expression of the transient receptor potential cation channel 6 gene in patients with primary openâ€angle glaucoma. Clinical and Experimental Ophthalmology, 2013, 41, 753-760.   | 1.3 | 9         |
| 229 | Gain-of-function Mutations in Transient Receptor Potential C6 (TRPC6) Activate Extracellular<br>Signal-regulated Kinases 1/2 (ERK1/2). Journal of Biological Chemistry, 2013, 288, 18407-18420.   | 1.6 | 51        |
| 230 | Neuroprotectin D1 attenuates brain damage induced by transient middle cerebral artery occlusion in rats through TRPC6/CREB pathways. Molecular Medicine Reports, 2013, 8, 543-550.  | 1.1 | 37        |
| 231 | BDNF Regulates the Expression and Distribution of Vesicular Glutamate Transporters in Cultured<br>Hippocampal Neurons. PLoS ONE, 2013, 8, e53793.   | 1.1 | 56        |
| 232 | Importance of TRP channels in pain implications for stress. Frontiers in Bioscience - Scholar, 2013, S5, 19-38.   | 0.8 | 5         |
| 233 | Asymmetrical Macromolecular Complex Formation of Lysophosphatidic Acid Receptor 2 (LPA2)<br>Mediates Gradient Sensing in Fibroblasts. Journal of Biological Chemistry, 2014, 289, 35757-35769.  | 1.6 | 11        |
| 234 | Differential regulation of TRPC4 in the vasopressin magnocellular system by water deprivation and<br>hepatic cirrhosis in the rat. American Journal of Physiology - Regulatory Integrative and Comparative<br>Physiology, 2014, 306, R304-R314. | 0.9 | 21        |
| 235 | KCa3.1 Modulates Neuroblast Migration Along the Rostral Migratory Stream (RMS) In Vivo. Cerebral Cortex, 2014, 24, 2388-2400.   | 1.6 | 29        |
| 236 | Physiological Function and Characterization of TRPCs in Neurons. Cells, 2014, 3, 455-475.   | 1.8 | 29        |
| 237 | Transient receptor potential ( <scp>TRP</scp> ) channels: a clinical perspective. British Journal of<br>Pharmacology, 2014, 171, 2474-2507  | 2.7 | 297       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 238 | The role of glutamate and its receptors in the proliferation, migration, differentiation and survival of neural progenitor cells. Journal of Neural Transmission, 2014, 121, 819-836.   | 1.4 | 94        |
| 239 | Brain-derived Neurotrophic Factor (BDNF)-induced Mitochondrial Motility Arrest and Presynaptic<br>Docking Contribute to BDNF-enhanced Synaptic Transmission. Journal of Biological Chemistry, 2014,<br>289, 1213-1226.  | 1.6 | 83        |
| 240 | Developmental mapping of smallâ€conductance calciumâ€activated potassium channel expression in the rat nervous system. Journal of Comparative Neurology, 2014, 522, 1072-1101.  | 0.9 | 30        |
| 241 | Ion Channels in Regulation of Neuronal Regenerative Activities. Translational Stroke Research, 2014, 5, 156-162.  | 2.3 | 30        |
| 242 | p75 Regulates Purkinje Cell Firing by Modulating SK Channel Activity through Rac1. Journal of Biological Chemistry, 2014, 289, 31458-31472.   | 1.6 | 16        |
| 243 | The <scp>TRPC</scp> channel blocker <scp>SKF</scp> 96365 inhibits glioblastoma cell growth by<br>enhancing reverse mode of the<br><scp><scp>Na<sup>+</sup></scp></scp> / <scp>Ca<sup>2+</sup></scp> exchanger and<br>increasing intracellular <scp><scp>Ca<sup>2+</sup></scp>. British Journal of Pharmacology,</scp> | 2.7 | 47        |
| 244 | Actin dynamics in growth cone motility and navigation. Journal of Neurochemistry, 2014, 129, 221-234.   | 2.1 | 215       |
| 245 | Structural insights into the mechanism of calmodulin binding to death receptors. Acta<br>Crystallographica Section D: Biological Crystallography, 2014, 70, 1604-1613.  | 2.5 | 6         |
| 246 | Calcium signaling in axon guidance. Trends in Neurosciences, 2014, 37, 424-432.   | 4.2 | 64        |
| 247 | Transient Receptor Potential Channels as Drug Targets: From the Science of Basic Research to the Art<br>of Medicine. Pharmacological Reviews, 2014, 66, 676-814.  | 7.1 | 440       |
| 248 | Microtubule dynamics in axon guidance. Neuroscience Bulletin, 2014, 30, 569-583.  | 1.5 | 64        |
| 249 | TRP Modulation by Natural Compounds. Handbook of Experimental Pharmacology, 2014, 223, 1177-1238.   | 0.9 | 46        |
| 250 | Mammalian Transient Receptor Potential (TRP) Cation Channels. Handbook of Experimental<br>Pharmacology, 2014, , .   | 0.9 | 22        |
| 251 | Co-localization of TRPV2 and Insulin-Like Growth Factor-I Receptor in Olfactory Neurons in Adult and Fetal Mouse. Biological and Pharmaceutical Bulletin, 2014, 37, 1907-1912.  | 0.6 | 4         |
| 252 | Neuroprotection by (â^')-epigallocatechin-3-gallate in a rat model of stroke is mediated through inhibition of endoplasmic reticulum stress. Molecular Medicine Reports, 2014, 9, 69-72.  | 1.1 | 59        |
| 254 | Second messenger networks for accurate growth cone guidance. Developmental Neurobiology, 2015, 75, 411-422.   | 1.5 | 15        |
| 255 | The role of action potentials in determining neuronâ€ŧypeâ€specific responses to nitric oxide.<br>Developmental Neurobiology, 2015, 75, 435-451.  | 1.5 | 5         |
| 256 | The role of TRPC6 in seizure susceptibility and seizure-related neuronal damage in the rat dentate gyrus. Neuroscience, 2015, 307, 215-230.   | 1.1 | 30        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 257 | <i>In Utero</i> Fine Particle Air Pollution and Placental Expression of Genes in the Brain-Derived<br>Neurotrophic Factor Signaling Pathway: An ENVIR <i>ON</i> AGE Birth Cohort Study. Environmental<br>Health Perspectives, 2015, 123, 834-840.                          | 2.8 | 102       |
| 258 | Mechanochemical regulation of growth cone motility. Frontiers in Cellular Neuroscience, 2015, 9, 244.  | 1.8 | 127       |
| 259 | Brain-Derived Neurotrophic Factor Regulates TRPC3/6 Channels and Protects Against Myocardial Infarction in Rodents. International Journal of Biological Sciences, 2015, 11, 536-545.   | 2.6 | 58        |
| 260 | Transient Receptor Potential Channels and Their Role in Modulating Radial Glial–Neuronal<br>Interaction: A Signaling Pathway Involving mGluR5. Stem Cells and Development, 2015, 24, 701-713.  | 1.1 | 15        |
| 261 | Sex differences in the role of transient receptor potential (TRP) channels in endothelium-dependent<br>vasorelaxation in porcine isolated coronary arteries. European Journal of Pharmacology, 2015, 750,<br>108-117.  | 1.7 | 17        |
| 262 | Upregulation and Diverse Roles of TRPC3 and TRPC6 in Synaptic Reorganization of the Mossy Fiber<br>Pathway in Temporal Lobe Epilepsy. Molecular Neurobiology, 2015, 52, 562-572.   | 1.9 | 24        |
| 263 | Dynamics of receptor-operated Ca2+ currents through TRPC channels controlled via the PI(4,5)P2-PLC signaling pathway. Frontiers in Pharmacology, 2015, 6, 22.  | 1.6 | 22        |
| 264 | The possible relationship between expressions of TRPC3/5 channels and cognitive changes in rat model of chronic unpredictable stress. Behavioural Brain Research, 2015, 290, 180-186.  | 1.2 | 9         |
| 265 | Critical role of TRPC6 in maintaining the stability of HIF-1α in glioma cells under hypoxia. Journal of Cell Science, 2015, 128, 3317-29.  | 1.2 | 40        |
| 266 | Microtopographical features generated by photopolymerization recruit RhoA/ROCK through TRPV1 to direct cell and neurite growth. Biomaterials, 2015, 53, 95-106.  | 5.7 | 24        |
| 267 | SOCE in neurons: Signaling or just refilling?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1940-1952.   | 1.9 | 90        |
| 268 | Brain transient receptor potential channels and stroke. Journal of Neuroscience Research, 2015, 93, 1165-1183.   | 1.3 | 44        |
| 269 | The Use of Induced Pluripotent Stem Cell Technology to Advance Autism Research and Treatment.<br>Neurotherapeutics, 2015, 12, 534-545.   | 2.1 | 24        |
| 270 | Hyperforin: To Be or Not to Be an Activator of TRPC(6). Reviews of Physiology, Biochemistry and Pharmacology, 2015, 169, 1-24.   | 0.9 | 20        |
| 271 | The change of spatial cognition ability in depression rat model and the possible association with down-regulated protein expression of TRPC6. Behavioural Brain Research, 2015, 294, 186-193.  | 1.2 | 22        |
| 272 | Clutamate Stimulates Local Protein Synthesis in the Axons of Rat Cortical Neurons by Activating<br>α-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptors and Metabotropic Glutamate<br>Receptors. Journal of Biological Chemistry, 2015, 290, 20748-20760. | 1.6 | 31        |
| 273 | The interdependent roles of Ca <sup>2+</sup> and cAMP in axon guidance. Developmental Neurobiology, 2015, 75, 402-410.   | 1.5 | 14        |
| 274 | Modeling non-syndromic autism and the impact of TRPC6 disruption in human neurons. Molecular<br>Psychiatry, 2015, 20, 1350-1365.   | 4.1 | 175       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 275 | Cholinergic Signaling and Muscle Contraction. , 2016, , 263-327.  |     | 2         |
| 276 | Human Inducible Pluripotent Stem Cells and Autism Spectrum Disorder: Emerging Technologies.<br>Autism Research, 2016, 9, 513-535.   | 2.1 | 26        |
| 277 | The pruritus- and TH2-associated cytokine IL-31 promotes growth of sensory nerves. Journal of Allergy and Clinical Immunology, 2016, 138, 500-508.e24.  | 1.5 | 201       |
| 278 | Characterization of prion protein function by focal neurite stimulation. Journal of Cell Science, 2016, 129, 3878-3891.   | 1.2 | 35        |
| 279 | Brain-derived Neurotrophic Factor Promotes the Migration of Olfactory Ensheathing Cells Through TRPC Channels. Glia, 2016, 64, 2154-2165.   | 2.5 | 23        |
| 280 | Expression of TRPC6 and BDNF in Cortical Lesions From Patients With Focal Cortical Dysplasia.<br>Journal of Neuropathology and Experimental Neurology, 2016, 75, 718-730.                           | 0.9 | 7         |
| 281 | Intracellular calcium and cyclic nucleotide levels modulate neurite guidance by microtopographical substrate features. Journal of Biomedical Materials Research - Part A, 2016, 104, 2037-2048.     | 2.1 | 8         |
| 282 | TRPC Channels: Prominent Candidates of Underlying Mechanism in Neuropsychiatric Diseases.<br>Molecular Neurobiology, 2016, 53, 631-647.   | 1.9 | 28        |
| 283 | Screening of Transient Receptor Potential Canonical Channel Activators Identifies Novel<br>Neurotrophic Piperazine Compounds. Molecular Pharmacology, 2016, 89, 348-363.                            | 1.0 | 18        |
| 284 | Roles of phosphoinositide-specific phospholipase Cγ1 in brain development. Advances in Biological<br>Regulation, 2016, 60, 167-173.   | 1.4 | 26        |
| 285 | Modeling autism spectrum disorders with human neurons. Brain Research, 2017, 1656, 49-54.   | 1.1 | 17        |
| 286 | Calpain-Mediated Proteolysis of Talin and FAK Regulates Adhesion Dynamics Necessary for Axon<br>Guidance. Journal of Neuroscience, 2017, 37, 1568-1580.   | 1.7 | 75        |
| 287 | Brainâ€derived neurotrophic factor attenuates doxorubicinâ€induced cardiac dysfunction through<br>activating Akt signalling in rats. Journal of Cellular and Molecular Medicine, 2017, 21, 685-696. | 1.6 | 40        |
| 289 | TRPC Channels and Programmed Cell Death. Advances in Experimental Medicine and Biology, 2017, 976, 47-60.   | 0.8 | 5         |
| 290 | TRPC Channels and Mental Disorders. Advances in Experimental Medicine and Biology, 2017, 976, 137-148.  | 0.8 | 6         |
| 291 | The Role of TRPC6 in the Neuroprotection of Calycosin Against Cerebral Ischemic Injury. Scientific Reports, 2017, 7, 3039.  | 1.6 | 35        |
| 292 | Regulatory role of NGFs in neurocognitive functions. Reviews in the Neurosciences, 2017, 28, 649-673.   | 1.4 | 29        |
| 293 | TRPC6 expression in neurons is differentially regulated by NR2A―and NR2B ontaining NMDA receptors.<br>Journal of Neurochemistry, 2017, 143, 282-293.  | 2.1 | 9         |

|     |   | CITATION REPORT                  |     |           |
|-----|---|----------------------------------|-----|-----------|
| #   | Article   |                                  | IF  | Citations |
| 294 | TRPC3 Is Dispensable for $\hat{I}^2$ -Alanine Triggered Acute Itch. Scientific Reports, 2017, 7, 13   | 3869.                            | 1.6 | 14        |
| 295 | Neuronal cytoskeletal gene dysregulation and mechanical hypersensitivity in a rat mod syndrome. Proceedings of the National Academy of Sciences of the United States of Ar E6952-E6961.                                 | el of Rett<br>nerica, 2017, 114, | 3.3 | 46        |
| 296 | Heteromeric channels formed by <scp>TRPC</scp> 1, <scp>TRPC</scp> 4 and <scp>TR<br/>hippocampal synaptic transmission and working memory. EMBO Journal, 2017, 36, 272</scp>   | PC5 define<br>70-2789.           | 3.5 | 88        |
| 297 | Critical role of TRPC1 in thyroid hormone-dependent dopaminergic neuron developmer<br>Biophysica Acta - Molecular Cell Research, 2017, 1864, 1900-1912.   | nt. Biochimica Et                | 1.9 | 12        |
| 298 | Role of TRP Channels in Dinoflagellate Mechanotransduction. Biological Bulletin, 2017,  | 233, 151-167.                    | 0.7 | 14        |
| 299 | Mechanosensory Transduction: Focus on Ion Channels $\hat{a}$ <sup>+</sup> , , 2017, , .   |                                  |     | 16        |
| 300 | TRPC6-mediated ERK1/2 Activation Regulates Neuronal Excitability via Subcellular Kv4.<br>the Rat Hippocampus. Frontiers in Cellular Neuroscience, 2017, 11, 413.  | 3 Localization in                | 1.8 | 8         |
| 301 | Plasma Brain-Derived Neurotrophic Factor Levels in Newborn Infants with Neonatal Abs<br>Syndrome. Frontiers in Pediatrics, 2017, 5, 238.  | tinence                          | 0.9 | 13        |
| 302 | TRPC3 is required for the survival, pluripotency and neural differentiation of mouse em cells (mESCs). Science China Life Sciences, 2018, 61, 253-265.  | bryonic stem                     | 2.3 | 10        |
| 303 | Segregation of motor and sensory axons regenerating through bicompartmental tubes extracellular matrix components with neurotrophic factors. Journal of Tissue Engineerir Regenerative Medicine, 2018, 12, e1991-e2000. | by combining<br>ng and           | 1.3 | 6         |
| 304 | Activation of membrane-located Ca2+ channels by hop beta acids and their tricyclic tra<br>products. Food Chemistry, 2018, 252, 215-227.   | nsformation                      | 4.2 | 4         |
| 305 | The axonal endoplasmic reticulum: One organelle—many functions in development, r<br>plasticity. Developmental Neurobiology, 2018, 78, 181-208.  | naintenance, and                 | 1.5 | 44        |
| 306 | Activation of TRPC1 Channel by Metabotropic Glutamate Receptor mGluR5 Modulates<br>Plasticity and Spatial Working Memory. Frontiers in Cellular Neuroscience, 2018, 12, 3   | Synaptic<br>18.                  | 1.8 | 48        |
| 307 | Transcription Factor 2I Regulates Neuronal Development via TRPC3 in 7q11.23 Disorde<br>Molecular Neurobiology, 2019, 56, 3313-3325.   | r Models.                        | 1.9 | 13        |
| 308 | Over-Expression of TRPC6 via CRISPR Based Synergistic Activation Mediator in BMSCs<br>Brain Injury in a Rat Model of Cerebral Ischemia/Reperfusion. Neuroscience, 2019, 415,  | Ameliorates<br>147-160.          | 1.1 | 13        |
| 309 | Acid sphingomyelinase – a regulator of canonical transient receptor potential channe<br>activity. Journal of Neurochemistry, 2019, 150, 678-690.  | el 6 (TRPC6)                     | 2.1 | 12        |
| 310 | TRPC channels regulate Ca2+-signaling and short-term plasticity of fast glutamatergic s<br>Biology, 2019, 17, e3000445.   | synapses. PLoS                   | 2.6 | 27        |
| 311 | TRPC6 mRNA levels in peripheral leucocytes of patients with Alzheimer's disease and m<br>impairment: A case-control study. Progress in Neuro-Psychopharmacology and Biologic<br>2019, 92, 279-284.                      | ild cognitive<br>al Psychiatry,  | 2.5 | 17        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 312 | Neurotrophin gene augmentation by electrotransfer to improve cochlear implant hearing outcomes.<br>Hearing Research, 2019, 380, 137-149.   | 0.9 | 20        |
| 313 | A Subtle Network Mediating Axon Guidance: Intrinsic Dynamic Structure of Growth Cone, Attractive<br>and Repulsive Molecular Cues, and the Intermediate Role of Signaling Pathways. Neural Plasticity,<br>2019, 2019, 1-26. | 1.0 | 28        |
| 314 | STIM1 Is Required for Remodeling of the Endoplasmic Reticulum and Microtubule Cytoskeleton in Steering Growth Cones. Journal of Neuroscience, 2019, 39, 5095-5114.   | 1.7 | 39        |
| 315 | Cause and effect of microenvironmental acidosis on bone metastases. Cancer and Metastasis Reviews, 2019, 38, 133-147.  | 2.7 | 28        |
| 316 | Functional food development: Insights from TRP channels. Journal of Functional Foods, 2019, 56, 384-394.   | 1.6 | 12        |
| 317 | Regulators of Rho GTPases in the Nervous System: Molecular Implication in Axon Guidance and Neurological Disorders. International Journal of Molecular Sciences, 2019, 20, 1497.   | 1.8 | 32        |
| 318 | HERV-W env regulates calcium influx via activating TRPC3 channel together with depressing DISC1 in human neuroblastoma cells. Journal of NeuroVirology, 2019, 25, 101-113.   | 1.0 | 22        |
| 319 | Hormones and the Regulation of Neuronal Voltage-Sensing Ion Channels. , 2020, , 227-281.   |     | Ο         |
| 320 | TRPC5 regulates axonal outgrowth in developing retinal ganglion cells. Laboratory Investigation, 2020, 100, 297-310.   | 1.7 | 11        |
| 321 | Lowâ€glucoseâ€sensitive TRPC6 dysfunction drives hypoglycemiaâ€induced cognitive impairment in diabetes.<br>Clinical and Translational Medicine, 2020, 10, e205.   | 1.7 | 14        |
| 323 | Molecular composition of developing glutamatergic synapses. , 2020, , 3-32.  |     | 8         |
| 324 | Neurotrophin and synaptogenesis. , 2020, , 167-192.  |     | 4         |
| 325 | Acid Sphingomyelinase Impacts Canonical Transient Receptor Potential Channels 6 (TRPC6) Activity in<br>Primary Neuronal Systems. Cells, 2020, 9, 2502.   | 1.8 | 9         |
| 326 | Naoluo Xintong capsule ameliorates apoptosis induced by endoplasmic reticulum stress in rats with cerebral ischemia/ reperfusion injury. Annals of Palliative Medicine, 2020, 9, 2913-2925.                                | 0.5 | 7         |
| 327 | Potential Drug Candidates to Treat TRPC6 Channel Deficiencies in the Pathophysiology of Alzheimer's<br>Disease and Brain Ischemia. Cells, 2020, 9, 2351.   | 1.8 | 14        |
| 328 | Roles of TRP Channels in Neurological Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.   | 1.9 | 20        |
| 329 | Local TrkB signaling: themes in development and neural plasticity. Cell and Tissue Research, 2020, 382, 101-111.   | 1.5 | 11        |
| 330 | Cochlear homeostasis: a molecular physiological perspective on maintenance of sound transduction and auditory neurotransmission with noise and ageing. Current Opinion in Physiology, 2020, 18, 106-115.                   | 0.9 | 3         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 331 | TRPC1/4/5 channels contribute to morphineâ€induced analgesic tolerance and hyperalgesia by enhancing spinal synaptic potentiation and structural plasticity. FASEB Journal, 2020, 34, 8526-8543. | 0.2 | 12        |
| 332 | How TRPC Channels Modulate Hippocampal Function. International Journal of Molecular Sciences, 2020, 21, 3915.  | 1.8 | 9         |
| 333 | Novel Targets for Stroke Therapy: Special Focus on TRPC Channels and TRPC6. Frontiers in Aging Neuroscience, 2020, 12, 70.   | 1.7 | 15        |
| 334 | Canonical Transient Receptor Potential (TRPC) Channels in Nociception and Pathological Pain. Neural Plasticity, 2020, 2020, 1-13.  | 1.0 | 9         |
| 335 | From Neural Tube Formation Through the Differentiation of Spinal Cord Neurons: Ion Channels in<br>Action During Neural Development. Frontiers in Molecular Neuroscience, 2020, 13, 62.           | 1.4 | 11        |
| 336 | TRPC6 Attenuates Cortical Astrocytic Apoptosis and Inflammation in Cerebral Ischemic/Reperfusion<br>Injury. Frontiers in Cell and Developmental Biology, 2020, 8, 594283.                        | 1.8 | 17        |
| 337 | Role of Oxidative Stress and Ca2+ Signaling in Psychiatric Disorders. Frontiers in Cell and Developmental Biology, 2021, 9, 615569.  | 1.8 | 24        |
| 338 | Benzothiazole Amides as TRPC3/6 Inhibitors for Gastric Cancer Treatment. ACS Omega, 2021, 6, 9196-9203.  | 1.6 | 8         |
| 339 | The implication of transient receptor potential canonical 6 in BDNF-induced mechanical allodynia in rat model of diabetic neuropathic pain. Life Sciences, 2021, 273, 119308.                    | 2.0 | 7         |
| 340 | AAV Delivery of shRNA Against TRPC6 in Mouse Hippocampus Impairs Cognitive Function. Frontiers in<br>Cell and Developmental Biology, 2021, 9, 688655.  | 1.8 | 7         |
| 341 | Energy metabolism in bone tumors. , 2022, , 337-355.   |     | 0         |
| 342 | Combined Use of Chitosan and Olfactory Mucosa Mesenchymal Stem/Stromal Cells to Promote<br>Peripheral Nerve Regeneration In Vivo. Stem Cells International, 2021, 2021, 1-32.                    | 1.2 | 25        |
| 343 | Molecular and functional diversity of the TRPC family of ion channels. TRPC channels and their role in ROCE/SOCE. , 2006, , 1-22.  |     | 1         |
| 344 | Neurotrophic Factors: Are They Axon Guidance Molecules?. Advances in Experimental Medicine and Biology, 2007, 621, 81-94.  | 0.8 | 13        |
| 345 | Physiological Functions and Regulation of TRPC Channels. Handbook of Experimental Pharmacology, 2014, 223, 1005-1034.  | 0.9 | 39        |
| 346 | TRPC, cGMP-Dependent Protein Kinases and Cytosolic Ca2+. , 2007, , 527-540.  |     | 30        |
| 347 | TRPC3: A Multifunctional, Pore-Forming Signalling Molecule. , 2007, , 77-92.   |     | 27        |
| 348 | TRPC6: Physiological Function and Pathophysiological Relevance. Handbook of Experimental Pharmacology, 2014, 222, 157-188.   | 0.9 | 78        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 349 | TRPV2 interacts with actin and reorganizes submembranous actin cytoskeleton. Bioscience Reports, 2020, 40, .   | 1.1 | 5         |
| 351 | Inhibition of TRPC6 degradation suppresses ischemic brain damage in rats. Journal of Clinical Investigation, 2010, 120, 3480-3492.   | 3.9 | 113       |
| 352 | TRP Channels in the Brain: What Are They There For?. Frontiers in Neuroscience, 2017, , 295-322.   | 0.0 | 2         |
| 353 | The TRPC Family of Ion Channels. Frontiers in Neuroscience, 2006, , 1-30.  | 0.0 | 4         |
| 354 | Corticolimbic Expression of TRPC4 and TRPC5 Channels in the Rodent Brain. PLoS ONE, 2007, 2, e573.   | 1.1 | 131       |
| 355 | TrpC3 Regulates Hypertrophy-Associated Gene Expression without Affecting Myocyte Beating or Cell<br>Size. PLoS ONE, 2007, 2, e802.   | 1.1 | 49        |
| 356 | A Novel TRPC6 Mutation That Causes Childhood FSGS. PLoS ONE, 2009, 4, e7771.   | 1.1 | 143       |
| 357 | Global Analysis of Gene Expression in the Developing Brain of Gtf2ird1 Knockout Mice. PLoS ONE, 2011,<br>6, e23868.  | 1.1 | 24        |
| 358 | Expression of TRPC6 in Renal Cortex and Hippocampus of Mouse during Postnatal Development. PLoS ONE, 2012, 7, e38503.  | 1.1 | 20        |
| 359 | Crucial Role of TRPC1 and TRPC4 in Cystitis-Induced Neuronal Sprouting and Bladder Overactivity.<br>PLoS ONE, 2013, 8, e69550.   | 1.1 | 24        |
| 360 | The effect of TrkA signaling pathway on the expressions of TRPC1,TRPC3 in 6-hydroxydopamine lesioned rat treated by electroacupuncture. Global Journal of Cardiovascular and Cerebrovascular Diseases, 2013, 1, 1. | 0.0 | 1         |
| 361 | Psychiatric Disorders and TRP Channels: Focus on Psychotropic Drugs. Current Neuropharmacology, 2015, 13, 248-257.   | 1.4 | 43        |
| 362 | Transient Receptor Potential channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology<br>Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .   | 0.2 | 7         |
| 363 | The role of undifferentiated adipose-derived stem cells in peripheral nerve repair. Neural<br>Regeneration Research, 2018, 13, 757.  | 1.6 | 28        |
| 364 | Proteolytically released Lasso/teneurin-2 induces axonal attraction by interacting with latrophilin-1 on axonal growth cones. ELife, 2018, 7, .  | 2.8 | 35        |
| 365 | Trpc3. The AFCS-nature Molecule Pages, 0, , .  | 0.2 | 0         |
| 366 | TRP Channels and Axon Pathfinding. Frontiers in Neuroscience, 2006, , 55-67.   | 0.0 | 0         |
| 367 | Protein–Protein Interactions in TRPC Channel Complexes. Frontiers in Neuroscience, 2006, , 331-348.  | 0.0 | 0         |

ARTICLE IF CITATIONS Neural development: The neuron turns. Nature China, 2007, , . 0.0 0 368 Multimodal Activation and Regulation of Neuronal Mechanosensitive Cation Channels., 2008, 291-302. 370 Signal Molecules and Calcium., 2009, , 489-508. 0 Ionic Channels in the Therapy of Malignant Glioma., 0,,. Induced Pluripotent Stem Cells Derived from Dental Stem Cells: A New Tool for Cellular Therapy. 372 0.1 0 Pancreatic Islet Biology, 2016, , 125-141. TRPC6: an underlying target for human glaucoma. International Journal of Ophthalmology, 2012, 5, 374 523-6. Ion channels alterations in the forebrain of high-fat diet fed rats. European Journal of 375 0.6 8 Histochemistry, 2021, 65, . Neuroinflammation in Cerebral Ischemia and Ischemia/Reperfusion Injuries: From Pathophysiology to 1.8 197 Therapeutic Strategies. International Journal of Molecular Sciences, 2022, 23, 14. Transient receptor potential cation channel 6 deficiency leads to increased body weight and 380 metabolic dysfunction. American Journal of Physiology - Regulatory Integrative and Comparative 0.9 1 Physiology, 2022, 323, R81-R97. Neuroprotective Effects of Estrogen Through BDNF-Transient Receptor Potential Channels 6 Signaling Pathway in the Hippocampus in a Rat Model of Perimenopausal Depression. Frontiers in Aging 1.7 Neuroscience, 0, 14, . Upregulation of TRPC6 inhibits astrocyte activation and proliferation after spinal cord injury in rats 383 2 1.4 by suppressing AQP4 expression. Brain Research Bulletin, 2022, 190, 12-21. E-cigarette synthetic cooling agent WS-23 and nicotine aerosols differentially modulate airway 384 1.6 epithelial cell responses. Toxicology Reports, 2022, 9, 1823-1830. Analysis of hyperforin (St. John's wort) action at TRPC6 channel leads to the development of a new 385 4.1 10 class of antidepressant drugs. Molecular Psychiatry, 2022, 27, 5070-5085. Amphetamines abuse and depression: Focus on TRPC channels. Experimental Neurology, 2023, 364, 114391. Transient Receptor Potential Canonical 6 (TRPC6) Channel in the Pathogenesis of Diseases: A Jack of 388 1.7 4 Many Trades. Inflammation, 2023, 46, 1144-1160. TRP Channels in Stroke. Neuroscience Bulletin, 0, , .