# Lyanne C Schlichter

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 4,837 citations | 66343 42 h-index | 161849 54 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 4923 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanisms of Microglia-Mediated Neurotoxicity in a New Model of the Stroke Penumbra. Journal of Neuroscience, 2008, 28, 2221-2230. | 3.6 | 302 |
| 2 | Microglia Responses to Pro-inflammatory Stimuli (LPS, IFNÎ³+TNFÎ±) and Reprogramming by Resolving Cytokines (IL-4, IL-10). Frontiers in Cellular Neuroscience, 2018, 12, 215. | 3.7 | 242 |
| 3 | The Ca2+-Activated K+ Channel KCNN4/KCa3.1 Contributes to Microglia Activation and Nitric Oxide-Dependent Neurodegeneration. Journal of Neuroscience, 2007, 27, 234-244. | 3.6 | 208 |
| 4 | hSK4/hIK1, a Calmodulin-binding KCa Channel in Human T Lymphocytes. Journal of Biological Chemistry, 1999, 274, 14838-14849. | 3.4 | 202 |
| 5 | Microglia Kv1.3 Channels Contribute to Their Ability to Kill Neurons. Journal of Neuroscience, 2005, 25, 7139-7149. | 3.6 | 198 |
| 6 | K<sup>+</sup>channels and the microglial respiratory burst. American Journal of Physiology - Cell Physiology, 2001, 280, C796-C806. | 4.6 | 182 |
| 7 | Neutrophil Depletion Reduces Blood-Brain Barrier Breakdown, Axon Injury, and Inflammation After Intracerebral Hemorrhage. Journal of Neuropathology and Experimental Neurology, 2011, 70, 218-235. | 1.7 | 178 |
| 8 | Functional Up-regulation of HERG K+ Channels in Neoplastic Hematopoietic Cells. Journal of Biological Chemistry, 2002, 277, 18528-18534. | 3.4 | 169 |
| 9 | A Kv1.5 to Kv1.3 Switch in Endogenous Hippocampal Microglia and a Role in Proliferation. Journal of Neuroscience, 1999, 19, 10680-10693. | 3.6 | 158 |
| 10 | The microglial activation state regulates migration and roles of matrix-dissolving enzymes for invasion. Journal of Neuroinflammation, 2013, 10, 75. | 7.2 | 158 |
| 11 | Regulation of a TRPM7-like Current in Rat Brain Microglia. Journal of Biological Chemistry, 2003, 278, 42867-42876. | 3.4 | 143 |
| 12 | Evolution of the inflammatory response in the brain following intracerebral hemorrhage and effects of delayed minocycline treatment. Brain Research, 2007, 1180, 140-154. | 2.2 | 137 |
| 13 | Minocycline protects the bloodâ€“brain barrier and reduces edema following intracerebral hemorrhage in the rat. Experimental Neurology, 2007, 207, 227-237. | 4.1 | 131 |
| 14 | The Ca2+release-activated Ca2+current (ICRAC) mediates store-operated Ca2+entry in rat microglia. Channels, 2009, 3, 129-139. | 2.8 | 106 |
| 15 | Regulation of podosome formation, microglial migration and invasion by Ca2+-signaling molecules expressed in podosomes. Journal of Neuroinflammation, 2012, 9, 250. | 7.2 | 104 |
| 16 | Calmodulin Regulates Assembly and Trafficking of SK4/IK1 Ca2+-activated K+ Channels. Journal of Biological Chemistry, 2001, 276, 37980-37985. | 3.4 | 101 |
| 17 | Neuron death and inflammation in a rat model of intracerebral hemorrhage: Effects of delayed minocycline treatment. Brain Research, 2007, 1136, 208-218. | 2.2 | 98 |
| 18 | Glial responses, neuron death and lesion resolution after intracerebral hemorrhage in young vs. aged rats. European Journal of Neuroscience, 2008, 28, 1316-1328. | 2.6 | 97 |

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|---|---|---|---|
| 19 | Multidrug Resistance Protein (MRP) 4- and MRP 5-Mediated Efflux of 9-(2-Phosphonylmethoxyethyl)adenine by Microglia. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 1221-1229. | 2.5 | 91 |
| 20 | White matter injury in young and aged rats after intracerebral hemorrhage. Experimental Neurology, 2008, 214, 266-275. | 4.1 | 83 |
| 21 | Suppression of the rat microglia Kv1.3 current by src-family tyrosine kinases and oxygen/glucose deprivation. European Journal of Neuroscience, 2000, 12, 1949-1960. | 2.6 | 79 |
| 22 | Age-Related Comparisons of Evolution of the Inflammatory Response After Intracerebral Hemorrhage in Rats. Translational Stroke Research, 2012, 3, 132-146. | 4.2 | 78 |
| 23 | HERG-like K+ Channels in Microglia. Journal of General Physiology, 1998, 111, 781-794. | 1.9 | 77 |
| 24 | Functional Expression of the Multidrug Resistance Protein 1 in Microglia. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 282-290. | 2.5 | 76 |
| 25 | IL-4 type 1 receptor signaling up-regulates KCNN4 expression, and increases the KCa3.1 current and its contribution to migration of alternative-activated microglia. Frontiers in Cellular Neuroscience, 2014, 8, 183. | 3.7 | 74 |
| 26 | Inhibition of the Ca<sup>2+</sup>-Dependent K<sup>+</sup>Channel,<i>KCNN4</i>/KCa3.1, Improves Tissue Protection and Locomotor Recovery after Spinal Cord Injury. Journal of Neuroscience, 2011, 31, 16298-16308. | 3.6 | 71 |
| 27 | The Ca2+ activated SK3 channel is expressed in microglia in the rat striatum and contributes to microglia-mediated neurotoxicity in vitro. Journal of Neuroinflammation, 2010, 7, 4. | 7.2 | 69 |
| 28 | Selective Activation of KCa3.1 and CRAC Channels by P2Y2 Receptors Promotes Ca2+ Signaling, Store Refilling and Migration of Rat Microglial Cells. PLoS ONE, 2013, 8, e62345. | 2.5 | 69 |
| 29 | Regulation of an ERG K+ Current by Src Tyrosine Kinase. Journal of Biological Chemistry, 2002, 277, 13673-13681. | 3.4 | 67 |
| 30 | Integration of K+and Cl-currents regulate steady-state and dynamic membrane potentials in cultured rat microglia. Journal of Physiology, 2005, 567, 869-890. | 2.9 | 67 |
| 31 | Responses of rat and mouse primary microglia to pro- and anti-inflammatory stimuli: molecular profiles, K+ channels and migration. Journal of Neuroinflammation, 2017, 14, 166. | 7.2 | 67 |
| 32 | After Intracerebral Hemorrhage, Oligodendrocyte Precursors Proliferate and Differentiate Inside White-Matter Tracts in the Rat Striatum. Translational Stroke Research, 2016, 7, 192-208. | 4.2 | 65 |
| 33 | Complex molecular and functional outcomes of single versus sequential cytokine stimulation of rat microglia. Journal of Neuroinflammation, 2016, 13, 66. | 7.2 | 64 |
| 34 | Smallâ€conductance Cl<sup>â€“</sup> channels contribute to volume regulation and phagocytosis in microglia. European Journal of Neuroscience, 2007, 26, 2119-2130. | 2.6 | 60 |
| 35 | Evolution of Inflammation and White Matter Injury in a Model of Transient Focal Ischemia. Journal of Neuropathology and Experimental Neurology, 2010, 69, 1-15. | 1.7 | 60 |
| 36 | Podosomes in migrating microglia: components and matrix degradation. Journal of Neuroinflammation, 2012, 9, 190. | 7.2 | 60 |

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|---|---|---|---|
| 37 | Expression and Contributions of TRPM7 and KCa2.3/SK3 Channels to the Increased Migration and Invasion of Microglia in Anti-Inflammatory Activation States. PLoS ONE, 2014, 9, e106087. | 2.5 | 59 |
| 38 | A large, multiple-conductance chloride channel in normal human T lymphocytes. Pflugers Archiv European Journal of Physiology, 1990, 416, 413-421. | 2.8 | 58 |
| 39 | Expression and contributions of the Kir2.1 inward-rectifier K+ channel to proliferation, migration and chemotaxis of microglia in unstimulated and anti-inflammatory states. Frontiers in Cellular Neuroscience, 2015, 9, 185. | 3.7 | 52 |
| 40 | Microglial SK3 and SK4 Currents and Activation State are Modulated by the Neuroprotective Drug, Riluzole. Journal of NeuroImmune Pharmacology, 2013, 8, 227-237. | 4.1 | 50 |
| 41 | Dominance of E. coli phagocytosis over LPS in the inflammatory response of microglia. Journal of Neuroimmunology, 2010, 227, 111-119. | 2.3 | 48 |
| 42 | Molecular and Cellular Responses to Interleukin-4 Treatment in a Rat Model of Transient Ischemia. Journal of Neuropathology and Experimental Neurology, 2016, 75, 1058-1071. | 1.7 | 46 |
| 43 | SC1/Hevin and Reactive Gliosis After Transient Ischemic Stroke in Young and Aged Rats. Journal of Neuropathology and Experimental Neurology, 2011, 70, 913-929. | 1.7 | 45 |
| 44 | PKA Reduces the Rat and Human KCa3.1 Current, CaM Binding, and Ca<sup>2+</sup>Signaling, Which Requires Ser332/334 in the CaM-Binding C Terminus. Journal of Neuroscience, 2014, 34, 13371-13383. | 3.6 | 44 |
| 45 | Reversed Na<sup>+</sup>/Ca<sup>2+</sup>Exchange Contributes to Ca<sup>2+</sup>Influx and Respiratory Burst in Microglia. Channels, 2007, 1, 366-376. | 2.8 | 43 |
| 46 | Swelling activated Cl- channels in microglia. Channels, 2011, 5, 128-137. | 2.8 | 34 |
| 47 | Comparing Effects of Transforming Growth Factor Î²1 on Microglia From Rat and Mouse: Transcriptional Profiles and Potassium Channels. Frontiers in Cellular Neuroscience, 2018, 12, 115. | 3.7 | 33 |
| 48 | KCa3.1/IK1 Channel Regulation by cGMP-Dependent Protein Kinase (PKG) via Reactive Oxygen Species and CaMKII in Microglia: An Immune Modulating Feedback System?. Frontiers in Immunology, 2015, 6, 153. | 4.8 | 30 |
| 49 | SC1/Hevin Identifies Early White Matter Injury After Ischemia and Intracerebral Hemorrhage in Young and Aged Rats. Journal of Neuropathology and Experimental Neurology, 2012, 71, 480-493. | 1.7 | 25 |
| 50 | Targeting K<sub>V</sub>channels rescues retinal ganglion cells in vivo directly and by reducing inflammation. Channels, 2010, 4, 337-346. | 2.8 | 21 |
| 51 | Modulation of the ERG K+ Current by the Tyrosine Phosphatase, SHP-1. Journal of Biological Chemistry, 2002, 277, 48130-48138. | 3.4 | 18 |
| 52 | Criteria for perforated-patch recordings: Ion currents versus dye permeation in human T lymphocytes. Pflugers Archiv European Journal of Physiology, 1993, 424, 511-515. | 2.8 | 15 |
| 53 | Sex- and Development-Dependent Responses of Rat Microglia to Pro- and Anti-inflammatory Stimulation. Frontiers in Cellular Neuroscience, 2018, 12, 433. | 3.7 | 13 |
| 54 | Regulation of hERG and hEAG Channels by Src and by SHP-1 Tyrosine Phosphatase via an ITIM Region in the Cyclic Nucleotide Binding Domain. PLoS ONE, 2014, 9, e90024. | 2.5 | 9 |

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|---|---|---|---|
| 55 | Inflammation and White Matter Injury in Animal Models of Ischemic Stroke. , 2014, , 461-504. | | 3 |
| 56 | Morphological Assessments of Focal Cerebral Ischemia: White Matter Injury. Springer Protocols, 2012, , 99-105. | 0.3 | 0 |