Lyanne C Schlichter

List of Publications by Year
in descending order

56	4,837	66343	161849
papers	citations	42 h-index	54 g-index

56	56	56	4923
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex- and Development-Dependent Responses of Rat Microglia to Pro- and Anti-inflammatory Stimulation. Frontiers in Cellular Neuroscience, 2018, 12, 433.	3.7	13
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	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
4	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
5	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
6	Complex molecular and functional outcomes of single versus sequential cytokine stimulation of rat microglia. Journal of Neuroinflammation, 2016, 13, 66.	7.2	64
7	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
8	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
9	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
10	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
11	PKA Reduces the Rat and Human KCa3.1 Current, CaM Binding, and Ca²⁺Signaling, Which Requires Ser332/334 in the CaM-Binding C Terminus. Journal of Neuroscience, 2014, 34, 13371-13383.	3.6	44
12	Inflammation and White Matter Injury in Animal Models of Ischemic Stroke. , 2014, , 461-504.		3
13	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
14	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
15	The microglial activation state regulates migration and roles of matrix-dissolving enzymes for invasion. Journal of Neuroinflammation, 2013, 10, 75.	7.2	158
16	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
17	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
18	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

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19	Podosomes in migrating microglia: components and matrix degradation. Journal of Neuroinflammation, 2012, 9, 190.	7.2	60
20	Regulation of podosome formation, microglial migration and invasion by Ca2+-signaling molecules expressed in podosomes. Journal of Neuroinflammation, 2012, 9, 250.	7.2	104
21	Morphological Assessments of Focal Cerebral Ischemia: White Matter Injury. Springer Protocols, 2012, , 99-105.	0.3	0
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	Swelling activated Cl- channels in microglia. Channels, 2011, 5, 128-137.	2.8	34
24	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
25	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
26	Inhibition of the Ca²⁺-Dependent K⁺Channel,KCNN4/KCa3.1, Improves Tissue Protection and Locomotor Recovery after Spinal Cord Injury. Journal of Neuroscience, 2011, 31, 16298-16308.	3.6	71
27	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
28	Dominance of E. coli phagocytosis over LPS in the inflammatory response of microglia. Journal of Neuroimmunology, 2010, 227, 111-119.	2.3	48
29	Targeting K_Vchannels rescues retinal ganglion cells in vivo directly and by reducing inflammation. Channels, 2010, 4, 337-346.	2.8	21
30	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
31	The Ca2+release-activated Ca2+current (ICRAC) mediates store-operated Ca2+entry in rat microglia. Channels, 2009, 3, 129-139.	2.8	106
32	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
33	White matter injury in young and aged rats after intracerebral hemorrhage. Experimental Neurology, 2008, 214, 266-275.	4.1	83
34	Mechanisms of Microglia-Mediated Neurotoxicity in a New Model of the Stroke Penumbra. Journal of Neuroscience, 2008, 28, 2221-2230.	3.6	302
35	Reversed Na⁺/Ca²⁺Exchange Contributes to Ca²⁺Influx and Respiratory Burst in Microglia. Channels, 2007, 1, 366-376.	2.8	43
36	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

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37	Minocycline protects the bloodâ€“brain barrier and reduces edema following intracerebral hemorrhage in the rat. Experimental Neurology, 2007, 207, 227-237.	4.1	131
38	Smallâ€conductance Cl^{â€“} channels contribute to volume regulation and phagocytosis in microglia. European Journal of Neuroscience, 2007, 26, 2119-2130.	2.6	60
39	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
40	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
41	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
42	Microglia Kv1.3 Channels Contribute to Their Ability to Kill Neurons. Journal of Neuroscience, 2005, 25, 7139-7149.	3.6	198
43	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
44	Regulation of a TRPM7-like Current in Rat Brain Microglia. Journal of Biological Chemistry, 2003, 278, 42867-42876.	3.4	143
45	Functional Expression of the Multidrug Resistance Protein 1 in Microglia. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 282-290.	2.5	76
46	Modulation of the ERG K+ Current by the Tyrosine Phosphatase, SHP-1. Journal of Biological Chemistry, 2002, 277, 48130-48138.	3.4	18
47	Functional Up-regulation of HERG K+ Channels in Neoplastic Hematopoietic Cells. Journal of Biological Chemistry, 2002, 277, 18528-18534.	3.4	169
48	Regulation of an ERG K+ Current by Src Tyrosine Kinase. Journal of Biological Chemistry, 2002, 277, 13673-13681.	3.4	67
49	K⁺channels and the microglial respiratory burst. American Journal of Physiology - Cell Physiology, 2001, 280, C796-C806.	4.6	182
50	Calmodulin Regulates Assembly and Trafficking of SK4/IK1 Ca2+-activated K+ Channels. Journal of Biological Chemistry, 2001, 276, 37980-37985.	3.4	101
51	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
52	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
53	hSK4/hIK1, a Calmodulin-binding KCa Channel in Human T Lymphocytes. Journal of Biological Chemistry, 1999, 274, 14838-14849.	3.4	202
54	HERG-like K+ Channels in Microglia. Journal of General Physiology, 1998, 111, 781-794.	1.9	77

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55	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
56	A large, multiple-conductance chloride channel in normal human T lymphocytes. Pflugers Archiv European Journal of Physiology, 1990, 416, 413-421.	2.8	58