

Steve Lacroix

List of Publications by Year in descending order

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62
papers

6,934
citations

81900
39
h-index

123424
61
g-index

65
all docs

65
docs citations

65
times ranked

9024
citing authors

#	ARTICLE	IF	CITATIONS
1	Proinflammatory cytokine synthesis in the injured mouse spinal cord: Multiphasic expression pattern and identification of the cell types involved. <i>Journal of Comparative Neurology</i> , 2007, 500, 267-285.	1.6	513
2	Platelets release mitochondria serving as substrate for bactericidal group IIA-secreted phospholipase A2 to promote inflammation. <i>Blood</i> , 2014, 124, 2173-2183.	1.4	513
3	Microglia are an essential component of the neuroprotective scar that forms after spinal cord injury. <i>Nature Communications</i> , 2019, 10, 518.	12.8	372
4	Functional Recovery after Peripheral Nerve Injury is Dependent on the Pro-Inflammatory Cytokines IL-1 β and TNF: Implications for Neuropathic Pain. <i>Journal of Neuroscience</i> , 2011, 31, 12533-12542.	3.6	276
5	Involvement of monocyte chemoattractant protein-1, macrophage inflammatory protein-1 α and interleukin-1 α in Wallerian degeneration. <i>Brain</i> , 2005, 128, 854-866.	7.6	262
6	An Essential Role of Interleukin-1 β in Mediating NF- κ B Activity and COX-2 Transcription in Cells of the Blood-Brain Barrier in Response to a Systemic and Localized Inflammation But Not During Endotoxemia. <i>Journal of Neuroscience</i> , 1999, 19, 10923-10930.	3.6	258
7	Effect of Acute Systemic Inflammatory Response and Cytokines on the Transcription of the Genes Encoding Cyclooxygenase Enzymes (COX-1 and COX-2) in the Rat Brain. <i>Journal of Neurochemistry</i> , 1998, 70, 452-466.	3.9	238
8	How the Blood Talks to the Brain Parenchyma and the Paraventricular Nucleus of the Hypothalamus During Systemic Inflammatory and Infectious Stimuli. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000, 223, 22-38.	1.8	226
9	Toll-Like Receptor Signaling Is Critical for Wallerian Degeneration and Functional Recovery after Peripheral Nerve Injury. <i>Journal of Neuroscience</i> , 2007, 27, 12565-12576.	3.6	221
10	Requirement of Myeloid Cells for Axon Regeneration. <i>Journal of Neuroscience</i> , 2008, 28, 9363-9376.	3.6	214
11	Neutrophils Mediate Blood-Brain Spinal Cord Barrier Disruption in Demyelinating Neuroinflammatory Diseases. <i>Journal of Immunology</i> , 2014, 193, 2438-2454.	0.8	214
12	Astrocytes initiate inflammation in the injured mouse spinal cord by promoting the entry of neutrophils and inflammatory monocytes in an IL-1 receptor/MyD88-dependent fashion. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 540-553.	4.1	209
13	Cerebrovascular and blood-brain barrier impairments in Huntington's disease: Potential implications for its pathophysiology. <i>Annals of Neurology</i> , 2015, 78, 160-177.	5.3	204
14	Platelets can enhance vascular permeability. <i>Blood</i> , 2012, 120, 1334-1343.	1.4	200
15	The Bacterial Endotoxin Lipopolysaccharide has the Ability to Target the Brain in Upregulating Its Membrane CD14 Receptor Within Specific Cellular Populations. <i>Brain Pathology</i> , 1998, 8, 625-640.	4.1	193
16	MOLECULAR APPROACHES TO SPINAL CORD REPAIR. <i>Annual Review of Neuroscience</i> , 2003, 26, 411-440.	10.7	184
17	Platelets release pathogenic serotonin and return to circulation after immune complex-mediated sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1550-E1559.	7.1	164
18	Mutant huntingtin is present in neuronal grafts in huntington disease patients. <i>Annals of Neurology</i> , 2014, 76, 31-42.	5.3	158

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19	P2X ₄ Receptors Influence Inflammasome Activation after Spinal Cord Injury. Journal of Neuroscience, 2012, 32, 3058-3066.	3.6	154
20	Bilateral corticospinal projections arise from each motor cortex in the macaque monkey: A quantitative study. Journal of Comparative Neurology, 2004, 473, 147-161.	1.6	139
21	NT-3 gene delivery elicits growth of chronically injured corticospinal axons and modestly improves functional deficits after chronic scar resection. Experimental Neurology, 2003, 181, 47-56.	4.1	136
22	Myeloid cell transmigration across the CNS vasculature triggers IL-1 β -driven neuroinflammation during autoimmune encephalomyelitis in mice. Journal of Experimental Medicine, 2016, 213, 929-949.	8.5	126
23	Functional circuitry in the brain of immune-challenged rats: Partial involvement of prostaglandins. , 1997, 387, 307-324.		109
24	Delivery of hyper-interleukin-6 to the injured spinal cord increases neutrophil and macrophage infiltration and inhibits axonal growth. Journal of Comparative Neurology, 2002, 454, 213-228.	1.6	107
25	Cytokine pathways regulating glial and leukocyte function after spinal cord and peripheral nerve injury. Experimental Neurology, 2014, 258, 62-77.	4.1	97
26	Central Canal Ependymal Cells Proliferate Extensively in Response to Traumatic Spinal Cord Injury but Not Demyelinating Lesions. PLoS ONE, 2014, 9, e85916.	2.5	88
27	C-fos mRNA pattern and corticotropin-releasing factor neuronal activity throughout the brain of rats injected centrally with a prostaglandin of E2 type. Journal of Neuroimmunology, 1996, 70, 163-179.	2.3	87
28	Systemic injections of lipopolysaccharide accelerates myelin phagocytosis during Wallerian degeneration in the injured mouse spinal cord. Glia, 2006, 53, 103-113.	4.9	87
29	Transcriptional profiling of the injured sciatic nerve of mice carrying the Wld(S) mutant gene: Identification of genes involved in neuroprotection, neuroinflammation, and nerve regeneration. Brain, Behavior, and Immunity, 2010, 24, 1254-1267.	4.1	84
30	IL-1 β enables CNS access to CCR2 ^{hi} monocytes and the generation of pathogenic cells through GM-CSF released by CNS endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1194-E1203.	7.1	75
31	The Inflammasome Pyrin Contributes to Pertussis Toxin-Induced IL-1 β Synthesis, Neutrophil Intravascular Crawling and Autoimmune Encephalomyelitis. PLoS Pathogens, 2014, 10, e1004150.	4.7	73
32	Expression profile of receptors for myelin-associated inhibitors of axonal regeneration in the intact and injured mouse central nervous system. Molecular and Cellular Neurosciences, 2007, 34, 519-538.	2.2	65
33	Endogenous signals initiating inflammation in the injured nervous system. Glia, 2009, 57, 351-361.	4.9	62
34	Automated Filtering of Intrinsic Movement Artifacts during Two-Photon Intravital Microscopy. PLoS ONE, 2013, 8, e53942.	2.5	61
35	Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases. Journal of Experimental Medicine, 2020, 217, .	8.5	61
36	T cells contribute to lysophosphatidylcholine-induced macrophage activation and demyelination in the CNS. Glia, 2007, 55, 294-302.	4.9	59

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37	IL-1 β Gene Deletion Protects Oligodendrocytes after Spinal Cord Injury through Upregulation of the Survival Factor Tox3. <i>Journal of Neuroscience</i> , 2015, 35, 10715-10730.	3.6	53
38	Influence of Interleukin-6 on Neural Activity and Transcription of the Gene Encoding Corticotrophin-releasing Factor in the Rat Brain: An Effect Depending Upon the Route of Administration. <i>European Journal of Neuroscience</i> , 1997, 9, 1461-1472.	2.6	51
39	GPR84 deficiency reduces microgliosis, but accelerates dendritic degeneration and cognitive decline in a mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 112-120.	4.1	50
40	The P2X7/P2X4 interaction shapes the purinergic response in murine macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 484-490.	2.1	50
41	Partial depletion of the proinflammatory monocyte population is neuroprotective in the myenteric plexus but not in the basal ganglia in a MPTP mouse model of Parkinson's disease. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 154-167.	4.1	42
42	Involvement of the IL-1 system in experimental autoimmune encephalomyelitis and multiple sclerosis: Breaking the vicious cycle between IL-1 β and GM-CSF. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 1-8.	4.1	41
43	Role of cyclo-oxygenase pathways in the stimulatory influence of immune challenge on the transcription of a specific CRF receptor subtype in the rat brain. <i>Journal of Chemical Neuroanatomy</i> , 1996, 10, 53-71.	2.1	35
44	Portrait of blood-derived extracellular vesicles in patients with Parkinson's disease. <i>Neurobiology of Disease</i> , 2019, 124, 163-175.	4.4	33
45	Megakaryocytes compensate for Kit insufficiency in murine arthritis. <i>Journal of Clinical Investigation</i> , 2017, 127, 1714-1724.	8.2	32
46	Neurotrophic Factors and Gene Therapy in Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2000, 14, 265-275.	2.9	30
47	Foxj1 regulates spinal cord development and is required for the maintenance of spinal cord stem cell potential. <i>Experimental Cell Research</i> , 2018, 368, 84-100.	2.6	26
48	Fc γ RIIA expression accelerates nephritis and increases platelet activation in systemic lupus erythematosus. <i>Blood</i> , 2020, 136, 2933-2945.	1.4	25
49	Local assessment of myelin health in a multiple sclerosis mouse model using a 2D Fourier transform approach. <i>Biomedical Optics Express</i> , 2013, 4, 2003.	2.9	23
50	Serial Systemic Injections of Endotoxin (LPS) Elicit Neuroprotective Spinal Cord Microglia through IL-1-Dependent Cross Talk with Endothelial Cells. <i>Journal of Neuroscience</i> , 2020, 40, 9103-9120.	3.6	23
51	How the Blood Talks to the Brain Parenchyma and the Paraventricular Nucleus of the Hypothalamus During Systemic Inflammatory and Infectious Stimuli. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000, 223, 22-38.	1.8	22
52	A Novel Method for Multiple Labeling Combining In Situ Hybridization With Immunofluorescence. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1303-1313.	2.5	18
53	Differential attenuation of β_2 integrin-dependent and -independent neutrophil migration by Ly6G ligation. <i>Blood Advances</i> , 2019, 3, 256-267.	5.2	16
54	Shedding a new light on Huntington's disease: how blood can both propagate and ameliorate disease pathology. <i>Molecular Psychiatry</i> , 2021, 26, 5441-5463.	7.9	16

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55	Betacellulin regulates schwann cell proliferation and myelin formation in the injured mouse peripheral nerve. <i>Glia</i> , 2017, 65, 657-669.	4.9	13
56	Calretinin gene expression in the human thalamus. <i>Molecular Brain Research</i> , 1998, 54, 1-12.	2.3	12
57	Use of adeno-associated virus-mediated delivery of mutant huntingtin to study the spreading capacity of the protein in mice and non-human primates. <i>Neurobiology of Disease</i> , 2020, 141, 104951.	4.4	12
58	Evidence for the spread of human-derived mutant huntingtin protein in mice and non-human primates. <i>Neurobiology of Disease</i> , 2020, 141, 104941.	4.4	11
59	Ly6C ^{high} monocytes facilitate transport of Murid herpesvirus 68 into inflamed joints of arthritic mice. <i>European Journal of Immunology</i> , 2018, 48, 250-257.	2.9	6
60	Proinflammatory signal transduction pathways in the CNS during systemic immune response. <i>NeuroImmune Biology</i> , 2001, 1, 163-173.	0.2	3
61	In Situ Hybridization Within the CNS Tissue: Combining In Situ Hybridization with Immunofluorescence. <i>Neuromethods</i> , 2012, , 53-70.	0.3	1
62	Live imaging of platelets and neutrophils during antibody-mediated neurovascular thrombosis. <i>Blood Advances</i> , 2022, , .	5.2	1