

# 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	Live imaging of platelets and neutrophils during antibody-mediated neurovascular thrombosis. Blood Advances, 2022, , .	5.2	1
2	Shedding a new light on Huntington's disease: how blood can both propagate and ameliorate disease pathology. Molecular Psychiatry, 2021, 26, 5441-5463.	7.9	16
3	Serial Systemic Injections of Endotoxin (LPS) Elicit Neuroprotective Spinal Cord Microglia through IL-1-Dependent Cross Talk with Endothelial Cells. Journal of Neuroscience, 2020, 40, 9103-9120.	3.6	23
4	FcγRIIA expression accelerates nephritis and increases platelet activation in systemic lupus erythematosus. Blood, 2020, 136, 2933-2945.	1.4	25
5	Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases. Journal of Experimental Medicine, 2020, 217, .	8.5	61
6	Evidence for the spread of human-derived mutant huntingtin protein in mice and non-human primates. Neurobiology of Disease, 2020, 141, 104941.	4.4	11
7	Use of adeno-associated virus-mediated delivery of mutant huntingtin to study the spreading capacity of the protein in mice and non-human primates. Neurobiology of Disease, 2020, 141, 104951.	4.4	12
8	Microglia are an essential component of the neuroprotective scar that forms after spinal cord injury. Nature Communications, 2019, 10, 518.	12.8	372
9	Differential attenuation of β2 integrin-dependent and -independent neutrophil migration by Ly6G ligation. Blood Advances, 2019, 3, 256-267.	5.2	16
10	Portrait of blood-derived extracellular vesicles in patients with Parkinson's disease. Neurobiology of Disease, 2019, 124, 163-175.	4.4	33
11	Platelets release pathogenic serotonin and return to circulation after immune complex-mediated sequestration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1550-E1559.	7.1	164
12	IL-1β enables CNS access to CCR2 <sup>hi</sup> 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
13	FoxJ1 regulates spinal cord development and is required for the maintenance of spinal cord stem cell potential. Experimental Cell Research, 2018, 368, 84-100.	2.6	26
14	Ly6C <sup>high</sup> monocytes facilitate transport of Murid herpesvirus 68 into inflamed joints of arthritic mice. European Journal of Immunology, 2018, 48, 250-257.	2.9	6
15	Betacellulin regulates schwann cell proliferation and myelin formation in the injured mouse peripheral nerve. Glia, 2017, 65, 657-669.	4.9	13
16	Involvement of the IL-1 system in experimental autoimmune encephalomyelitis and multiple sclerosis: Breaking the vicious cycle between IL-1β and GM-CSF. Brain, Behavior, and Immunity, 2017, 62, 1-8.	4.1	41
17	Megakaryocytes compensate for Kit insufficiency in murine arthritis. Journal of Clinical Investigation, 2017, 127, 1714-1724.	8.2	32
18	Myeloid cell transmigration across the CNS vasculature triggers IL-1β-driven neuroinflammation during autoimmune encephalomyelitis in mice. Journal of Experimental Medicine, 2016, 213, 929-949.	8.5	126

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19	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
20	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
21	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
22	IL-1 $\beta$ 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
23	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
24	The Inflammasome Pyrin Contributes to Pertussis Toxin-Induced IL-1 $\beta$ Synthesis, Neutrophil Intravascular Crawling and Autoimmune Encephalomyelitis. <i>PLoS Pathogens</i> , 2014, 10, e1004150.	4.7	73
25	Cytokine pathways regulating glial and leukocyte function after spinal cord and peripheral nerve injury. <i>Experimental Neurology</i> , 2014, 258, 62-77.	4.1	97
26	Neutrophils Mediate Blood-Brain Spinal Cord Barrier Disruption in Demyelinating Neuroinflammatory Diseases. <i>Journal of Immunology</i> , 2014, 193, 2438-2454.	0.8	214
27	Mutant huntingtin is present in neuronal grafts in huntington disease patients. <i>Annals of Neurology</i> , 2014, 76, 31-42.	5.3	158
28	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
29	Central Canal Ependymal Cells Proliferate Extensively in Response to Traumatic Spinal Cord Injury but Not Demyelinating Lesions. <i>PLoS ONE</i> , 2014, 9, e85916.	2.5	88
30	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
31	Automated Filtering of Intrinsic Movement Artifacts during Two-Photon Intravital Microscopy. <i>PLoS ONE</i> , 2013, 8, e53942.	2.5	61
32	P2X <sub>4</sub> Receptors Influence Inflammasome Activation after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2012, 32, 3058-3066.	3.6	154
33	Platelets can enhance vascular permeability. <i>Blood</i> , 2012, 120, 1334-1343.	1.4	200
34	In Situ Hybridization Within the CNS Tissue: Combining In Situ Hybridization with Immunofluorescence. <i>Neuromethods</i> , 2012, , 53-70.	0.3	1
35	Functional Recovery after Peripheral Nerve Injury is Dependent on the Pro-Inflammatory Cytokines IL-1 $\beta$ and TNF: Implications for Neuropathic Pain. <i>Journal of Neuroscience</i> , 2011, 31, 12533-12542.	3.6	276
36	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

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37	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. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 1254-1267.	4.1	84
38	Endogenous signals initiating inflammation in the injured nervous system. <i>Glia</i> , 2009, 57, 351-361.	4.9	62
39	Requirement of Myeloid Cells for Axon Regeneration. <i>Journal of Neuroscience</i> , 2008, 28, 9363-9376.	3.6	214
40	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
41	Expression profile of receptors for myelin-associated inhibitors of axonal regeneration in the intact and injured mouse central nervous system. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 519-538.	2.2	65
42	T cells contribute to lysophosphatidylcholine-induced macrophage activation and demyelination in the CNS. <i>Glia</i> , 2007, 55, 294-302.	4.9	59
43	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
44	Systemic injections of lipopolysaccharide accelerates myelin phagocytosis during Wallerian degeneration in the injured mouse spinal cord. <i>Glia</i> , 2006, 53, 103-113.	4.9	87
45	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
46	Involvement of monocyte chemoattractant protein-1, macrophage inflammatory protein-1 $\alpha$ and interleukin-1 $\alpha$ in Wallerian degeneration. <i>Brain</i> , 2005, 128, 854-866.	7.6	262
47	Bilateral corticospinal projections arise from each motor cortex in the macaque monkey: A quantitative study. <i>Journal of Comparative Neurology</i> , 2004, 473, 147-161.	1.6	139
48	MOLECULAR APPROACHES TO SPINAL CORD REPAIR. <i>Annual Review of Neuroscience</i> , 2003, 26, 411-440.	10.7	184
49	NT-3 gene delivery elicits growth of chronically injured corticospinal axons and modestly improves functional deficits after chronic scar resection. <i>Experimental Neurology</i> , 2003, 181, 47-56.	4.1	136
50	Delivery of hyper-interleukin-6 to the injured spinal cord increases neutrophil and macrophage infiltration and inhibits axonal growth. <i>Journal of Comparative Neurology</i> , 2002, 454, 213-228.	1.6	107
51	Proinflammatory signal transduction pathways in the CNS during systemic immune response. <i>NeuroImmune Biology</i> , 2001, 1, 163-173.	0.2	3
52	Neurotrophic Factors and Gene Therapy in Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2000, 14, 265-275.	2.9	30
53	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
54	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

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55	An Essential Role of Interleukin-1 $\beta$ in Mediating NF- $\kappa$ B Activity and COX-2 Transcription in Cells of the Bloodâ€‘Brain Barrier in Response to a Systemic and Localized Inflammation But Not During Endotoxemia. Journal of Neuroscience, 1999, 19, 10923-10930.	3.6	258
56	The Bacterial Endotoxin Lipopolysaccharide has the Ability to Target the Brain in Upregulating Its Membrane CD14 Receptor Within Specific Cellular Populations. Brain Pathology, 1998, 8, 625-640.	4.1	193
57	Calretinin gene expression in the human thalamus. Molecular Brain Research, 1998, 54, 1-12.	2.3	12
58	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. Journal of Neurochemistry, 1998, 70, 452-466.	3.9	238
59	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. European Journal of Neuroscience, 1997, 9, 1461-1472.	2.6	51
60	Functional circuitry in the brain of immune-challenged rats: Partial involvement of prostaglandins. , 1997, 387, 307-324.		109
61	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. Journal of Chemical Neuroanatomy, 1996, 10, 53-71.	2.1	35
62	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