

# Baptiste Lacoste

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

3,053  
citations

279487

23  
h-index

301761

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal high-fat diet in mice induces cerebrovascular, microglial and long-term behavioural alterations in offspring. <i>Communications Biology</i> , 2022, 5, 26.	2.0	19
2	Sex differences in developmental patterns of neocortical astroglia: A mouse translome database. <i>Cell Reports</i> , 2022, 38, 110310.	2.9	33
3	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. <i>Science</i> , 2022, 375, eabm4459.	6.0	67
4	Unbiased analysis of mouse brain endothelial networks from two- or three-dimensional fluorescence images. <i>Neurophotonics</i> , 2022, 9, .	1.7	3
5	An analysis of the influence of transfer learning when measuring the tortuosity of blood vessels. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 225, 107021.	2.6	2
6	Distinct Basal Metabolism in Three Mouse Models of Neurodevelopmental Disorders. <i>ENeuro</i> , 2021, 8, ENEURO.0292-20.2021.	0.9	12
7	An Exercise Mimetic Approach to Reduce Poststroke Deconditioning and Enhance Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 471-485.	1.4	4
8	Modulation of the Acute Cerebrovascular Response to Ischemic Stroke by Sex Hormones is Dependent on Rhoâ€“kinase. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
9	From Neurodevelopmental to Neurodegenerative Disorders: The Vascular Continuum. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 749026.	1.7	34
10	Naked mole-rat brown fat thermogenesis is diminished during hypoxia through a rapid decrease in UCP1. <i>Nature Communications</i> , 2021, 12, 6801.	5.8	29
11	Isolation and functional characterization of primary endothelial cells from mouse cerebral cortex. <i>STAR Protocols</i> , 2021, 2, 101019.	0.5	2
12	An antibody for analysis of autophagy induction. <i>Nature Methods</i> , 2020, 17, 232-239.	9.0	44
13	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. <i>Nature Neuroscience</i> , 2020, 23, 1090-1101.	7.1	70
14	Structural and Functional Remodeling of the Brain Vasculature Following Stroke. <i>Frontiers in Physiology</i> , 2020, 11, 948.	1.3	40
15	Influence of metabolic syndrome on cerebral perfusion and cognition. <i>Neurobiology of Disease</i> , 2020, 137, 104756.	2.1	22
16	Laser Doppler Flowmetry to Study the Regulation of Cerebral Blood Flow by G Protein-Coupled Receptors in Rodents. <i>Methods in Molecular Biology</i> , 2019, 1947, 377-387.	0.4	3
17	Impact of Metabolic Syndrome on Neuroinflammation and the Bloodâ€“Brain Barrier. <i>Frontiers in Neuroscience</i> , 2018, 12, 930.	1.4	210
18	Spreading depolarizations trigger caveolinâ€“dependent endothelial transcytosis. <i>Annals of Neurology</i> , 2018, 84, 409-423.	2.8	76

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19	Hyperfiltration in ubiquitin C-terminal hydrolase L1-deleted mice. <i>Clinical Science</i> , 2018, 132, 1453-1470.	1.8	3
20	Blood-Brain Barrier Permeability Is Regulated by Lipid Transport-Dependent Suppression of Caveolae-Mediated Transcytosis. <i>Neuron</i> , 2017, 94, 581-594.e5.	3.8	401
21	The aPKC-CBP Pathway Regulates Post-stroke Neurovascular Remodeling and Functional Recovery. <i>Stem Cell Reports</i> , 2017, 9, 1735-1744.	2.3	24
22	Joint volumetric extraction and enhancement of vasculature from low-SNR 3-D fluorescence microscopy images. <i>Pattern Recognition</i> , 2017, 63, 710-718.	5.1	6
23	Dark microglia: Why are they dark?. <i>Communicative and Integrative Biology</i> , 2016, 9, e1230575.	0.6	35
24	A novel method for identifying a graph-based representation of 3-D microvascular networks from fluorescence microscopy image stacks. <i>Medical Image Analysis</i> , 2015, 20, 208-223.	7.0	11
25	Control of cerebrovascular patterning by neural activity during postnatal development. <i>Mechanisms of Development</i> , 2015, 138, 43-49.	1.7	50
26	Selective melatonin MT2 receptor ligands relieve neuropathic pain through modulation of brainstem descending antinociceptive pathways. <i>Pain</i> , 2015, 156, 305-317.	2.0	68
27	Anatomical and cellular localization of melatonin $MT_1$ and $MT_2$ receptors in the adult rat brain. <i>Journal of Pineal Research</i> , 2015, 58, 397-417.	3.4	142
28	Neuronal and Vascular Interactions. <i>Annual Review of Neuroscience</i> , 2015, 38, 25-46.	5.0	200
29	Father Absence in the Monogamous California Mouse Impairs Social Behavior and Modifies Dopamine and Glutamate Synapses in the Medial Prefrontal Cortex. <i>Cerebral Cortex</i> , 2015, 25, 1163-1175.	1.6	30
30	Neurotherapeutic effects of novel $HO-1$ inhibitors <i>in vitro</i> and in a transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2014, 131, 778-790.	2.1	45
31	Mfsd2a is critical for the formation and function of the blood-brain barrier. <i>Nature</i> , 2014, 509, 507-511.	13.7	748
32	Sensory-Related Neural Activity Regulates the Structure of Vascular Networks in the Cerebral Cortex. <i>Neuron</i> , 2014, 83, 1117-1130.	3.8	131
33	Neuropilin-1 functions as a VEGFR2 co-receptor to guide developmental angiogenesis independent of ligand binding. <i>ELife</i> , 2014, 3, e03720.	2.8	117
34	Cognitive and cerebrovascular improvements following kinin B1 receptor blockade in Alzheimer's disease mice. <i>Journal of Neuroinflammation</i> , 2013, 10, 57.	3.1	63
35	Locus Coeruleus Stimulation Recruits a Broad Cortical Neuronal Network and Increases Cortical Perfusion. <i>Journal of Neuroscience</i> , 2013, 33, 3390-3401.	1.7	118
36	Promotion of Non-Rapid Eye Movement Sleep and Activation of Reticular Thalamic Neurons by a Novel $MT_2$ Melatonin Receptor Ligand. <i>Journal of Neuroscience</i> , 2011, 31, 18439-18452.	1.7	113

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37	Trafficking of neurokinin-1 receptors in serotonin neurons is controlled by substance P within the rat dorsal raphe nucleus. <i>European Journal of Neuroscience</i> , 2009, 29, 2303-2314.	1.2	10
38	Developmental profile of neuregulin receptor ErbB4 in postnatal rat cerebral cortex and hippocampus. <i>Neuroscience</i> , 2007, 148, 126-139.	1.1	21
39	Immunocytochemical evidence for the existence of substance P receptor (NK1) in serotonin neurons of rat and mouse dorsal raphe nucleus. <i>European Journal of Neuroscience</i> , 2006, 23, 2947-2958.	1.2	43