Baptiste Lacoste

List of Publications by Year
in descending order

39	3,053	279487	301761
papers	citations	23 h-index	39 g-index

42	42	42	5111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mfsd2a is critical for the formation and function of the bloodâ€“brain barrier. Nature, 2014, 509, 507-511.	13.7	748
2	Blood-Brain Barrier Permeability Is Regulated by Lipid Transport-Dependent Suppression of Caveolae-Mediated Transcytosis. Neuron, 2017, 94, 581-594.e5.	3.8	401
3	Impact of Metabolic Syndrome on Neuroinflammation and the Bloodâ€“Brain Barrier. Frontiers in Neuroscience, 2018, 12, 930.	1.4	210
4	Neuronal and Vascular Interactions. Annual Review of Neuroscience, 2015, 38, 25-46.	5.0	200
5	Anatomical and cellular localization of melatonin <scp>MT</scp>₁ and <scp>MT</scp>₂ receptors in the adult rat brain. Journal of Pineal Research, 2015, 58, 397-417.	3.4	142
6	Sensory-Related Neural Activity Regulates the Structure of Vascular Networks in the Cerebral Cortex. Neuron, 2014, 83, 1117-1130.	3.8	131
7	Locus Coeruleus Stimulation Recruits a Broad Cortical Neuronal Network and Increases Cortical Perfusion. Journal of Neuroscience, 2013, 33, 3390-3401.	1.7	118
8	Neuropilin-1 functions as a VEGFR2 co-receptor to guide developmental angiogenesis independent of ligand binding. ELife, 2014, 3, e03720.	2.8	117
9	Promotion of Non-Rapid Eye Movement Sleep and Activation of Reticular Thalamic Neurons by a Novel MT₂Melatonin Receptor Ligand. Journal of Neuroscience, 2011, 31, 18439-18452.	1.7	113
10	Spreading depolarizations trigger caveolinâ€1â€“dependent endothelial transcytosis. Annals of Neurology, 2018, 84, 409-423.	2.8	76
11	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. Nature Neuroscience, 2020, 23, 1090-1101.	7.1	70
12	Selective melatonin MT2 receptor ligands relieve neuropathic pain through modulation of brainstem descending antinociceptive pathways. Pain, 2015, 156, 305-317.	2.0	68
13	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. Science, 2022, 375, eabm4459.	6.0	67
14	Cognitive and cerebrovascular improvements following kinin B1 receptor blockade in Alzheimerâ€™s disease mice. Journal of Neuroinflammation, 2013, 10, 57.	3.1	63
15	Control of cerebrovascular patterning by neural activity during postnatal development. Mechanisms of Development, 2015, 138, 43-49.	1.7	50
16	Neurotherapeutic effects of novel <scp>HO</scp>â€1 inhibitors in vitro and in a transgenic mouse model of Alzheimer's disease. Journal of Neurochemistry, 2014, 131, 778-790.	2.1	45
17	An antibody for analysis of autophagy induction. Nature Methods, 2020, 17, 232-239.	9.0	44
18	Immunocytochemical evidence for the existence of substance P receptor (NK1) in serotonin neurons of rat and mouse dorsal raphe nucleus. European Journal of Neuroscience, 2006, 23, 2947-2958.	1.2	43

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19	Structural and Functional Remodeling of the Brain Vasculature Following Stroke. Frontiers in Physiology, 2020, 11, 948.	1.3	40
20	Dark microglia: Why are they dark?. Communicative and Integrative Biology, 2016, 9, e1230575.	0.6	35
21	From Neurodevelopmental to Neurodegenerative Disorders: The Vascular Continuum. Frontiers in Aging Neuroscience, 2021, 13, 749026.	1.7	34
22	Sex differences in developmental patterns of neocortical astroglia: A mouse translatome database. Cell Reports, 2022, 38, 110310.	2.9	33
23	Father Absence in the Monogamous California Mouse Impairs Social Behavior and Modifies Dopamine and Glutamate Synapses in the Medial Prefrontal Cortex. Cerebral Cortex, 2015, 25, 1163-1175.	1.6	30
24	Naked mole-rat brown fat thermogenesis is diminished during hypoxia through a rapid decrease in UCP1. Nature Communications, 2021, 12, 6801.	5.8	29
25	The aPKC-CBP Pathway Regulates Post-stroke Neurovascular Remodeling and Functional Recovery. Stem Cell Reports, 2017, 9, 1735-1744.	2.3	24
26	Influence of metabolic syndrome on cerebral perfusion and cognition. Neurobiology of Disease, 2020, 137, 104756.	2.1	22
27	Developmental profile of neuregulin receptor ErbB4 in postnatal rat cerebral cortex and hippocampus. Neuroscience, 2007, 148, 126-139.	1.1	21
28	Maternal high-fat diet in mice induces cerebrovascular, microglial and long-term behavioural alterations in offspring. Communications Biology, 2022, 5, 26.	2.0	19
29	Distinct Basal Metabolism in Three Mouse Models of Neurodevelopmental Disorders. ENeuro, 2021, 8, ENEURO.0292-20.2021.	0.9	12
30	A novel method for identifying a graph-based representation of 3-D microvascular networks from fluorescence microscopy image stacks. Medical Image Analysis, 2015, 20, 208-223.	7.0	11
31	Trafficking of neurokininâ€1 receptors in serotonin neurons is controlled by substance P within the rat dorsal raphe nucleus. European Journal of Neuroscience, 2009, 29, 2303-2314.	1.2	10
32	Joint volumetric extraction and enhancement of vasculature from low-SNR 3-D fluorescence microscopy images. Pattern Recognition, 2017, 63, 710-718.	5.1	6
33	An Exercise Mimetic Approach to Reduce Poststroke Deconditioning and Enhance Stroke Recovery. Neurorehabilitation and Neural Repair, 2021, 35, 471-485.	1.4	4
34	Hyperfiltration in ubiquitin C-terminal hydrolase L1-deleted mice. Clinical Science, 2018, 132, 1453-1470.	1.8	3
35	Laser Doppler Flowmetry to Study the Regulation of Cerebral Blood Flow by G Protein-Coupled Receptors in Rodents. Methods in Molecular Biology, 2019, 1947, 377-387.	0.4	3
36	Unbiased analysis of mouse brain endothelial networks from two- or three-dimensional fluorescence images. Neurophotonics, 2022, 9, .	1.7	3

#	Article	IF	Citations
37	Isolation and functional characterization of primary endothelial cells from mouse cerebral cortex. STAR Protocols, 2021, 2, 101019.	0.5	2
38	An analysis of the influence of transfer learning when measuring the tortuosity of blood vessels. Computer Methods and Programs in Biomedicine, 2022, 225, 107021.	2.6	2
39	Modulation of the Acute Cerebrovascular Response to Ischemic Stroke by Sex Hormones is Dependent on Rhoâ€kinase. FASEB Journal, 2021, 35, .	0.2	0