Benoit Lehallier

List of Publications by Year
in descending order

32	6,369	218592	345118
papers	citations	26 h-index	36 g-index

38	38	38	9592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Young blood reverses age-related impairments in cognitive function and synaptic plasticity in mice. Nature Medicine, 2014, 20, 659-663.	15.2	858
2	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	13.7	683
3	Lipid-droplet-accumulating microglia represent a dysfunctional and proinflammatory state in the aging brain. Nature Neuroscience, 2020, 23, 194-208.	7.1	558
4	Clonally expanded CD8 T cells patrol the cerebrospinal fluid in Alzheimerâ€™s disease. Nature, 2020, 577, 399-404.	13.7	537
5	Undulating changes in human plasma proteome profiles across the lifespan. Nature Medicine, 2019, 25, 1843-1850.	15.2	470
6	Dysregulation of brain and choroid plexus cell types in severe COVID-19. Nature, 2021, 595, 565-571.	13.7	406
7	Human umbilical cord plasma proteins revitalize hippocampal function in aged mice. Nature, 2017, 544, 488-492.	13.7	317
8	Ageing hallmarks exhibit organ-specific temporal signatures. Nature, 2020, 583, 596-602.	13.7	317
9	Aged blood impairs hippocampal neural precursor activity and activates microglia via brain endothelial cell VCAM1. Nature Medicine, 2019, 25, 988-1000.	15.2	260
10	Physiological bloodâ€“brain transport is impaired with age by a shift in transcytosis. Nature, 2020, 583, 425-430.	13.7	243
11	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615.	5.3	202
12	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. Bioinformatics, 2019, 35, 95-103.	1.8	162
13	Exercise plasma boosts memory and dampens brain inflammation via clusterin. Nature, 2021, 600, 494-499.	13.7	156
14	Brain Endothelial Cells Are Exquisite Sensors of Age-Related Circulatory Cues. Cell Reports, 2020, 30, 4418-4432.e4.	2.9	133
15	Preclinical Assessment of Young Blood Plasma for Alzheimer Disease. JAMA Neurology, 2016, 73, 1325.	4.5	123
16	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. Neuron, 2017, 96, 1290-1302.e6.	3.8	107
17	Young CSF restores oligodendrogenesis and memory in aged mice via Fgf17. Nature, 2022, 605, 509-515.	13.7	98
18	Systematic review and analysis of human proteomics aging studies unveils a novel proteomic aging clock and identifies key processes that change with age. Ageing Research Reviews, 2020, 60, 101070.	5.0	86

#	Article	IF	Citations
19	A proteomic clock of human pregnancy. American Journal of Obstetrics and Gynecology, 2018, 218, 347.e1-347.e14.	0.7	82
20	Wiring Stability of the Adult Drosophila Olfactory Circuit after Lesion. Journal of Neuroscience, 2006, 26, 3367-3376.	1.7	81
21	Predicting early symptomatic osteoarthritis in the human knee using machine learning classification of magnetic resonance images from the osteoarthritis initiative. Journal of Orthopaedic Research, 2017, 35, 2243-2250.	1.2	70
22	MicroRNA Processing Pathway Regulates Olfactory Neuron Morphogenesis. Current Biology, 2008, 18, 1754-1759.	1.8	67
23	Data mining of human plasma proteins generates a multitude of highly predictive aging clocks that reflect different aspects of aging. Aging Cell, 2020, 19, e13256.	3.0	61
24	Combined Plasma and Cerebrospinal Fluid Signature for the Prediction of Midterm Progression From Mild Cognitive Impairment to Alzheimer Disease. JAMA Neurology, 2016, 73, 203.	4.5	57
25	Common diseases alter the physiological age-related blood microRNA profile. Nature Communications, 2020, 11, 5958.	5.8	46
26	A neuronal blood marker is associated with mortality in old age. Nature Aging, 2021, 1, 218-225.	5.3	30
27	Multiple Click-Selective tRNA Synthetases Expand Mammalian Cell-Specific Proteomics. Journal of the American Chemical Society, 2018, 140, 7046-7051.	6.6	26
28	The SUMO Protease Verloren Regulates Dendrite and Axon Targeting in Olfactory Projection Neurons. Journal of Neuroscience, 2012, 32, 8331-8340.	1.7	17
29	Peripheral B cells repress B-cell regeneration in aging through a TNF-Î±/IGFBP-1/IGF-1 immune-endocrine axis. Blood, 2021, 138, 1817-1829.	0.6	17
30	The protein inputs of an ultra-predictive aging clock represent viable anti-aging drug targets. Ageing Research Reviews, 2021, 70, 101404.	5.0	14
31	Methods to investigate intrathecal adaptive immunity in neurodegeneration. Molecular Neurodegeneration, 2021, 16, 3.	4.4	13
32	Undulating changes in human plasma proteome profiles across the lifespan are linked to disease. Alzheimer's and Dementia, 2020, 16, e043868.	0.4	1