

# Bojana Stefanovic

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,087  
citations

430874

18  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyloid- $\beta^2$ -dependent compromise of microvascular structure and function in a model of Alzheimer's disease. <i>Brain</i> , 2012, 135, 3039-3050.	7.6	134
2	Drug delivery to the brain by focused ultrasound induced blood-brain barrier disruption: Quantitative evaluation of enhanced permeability of cerebral vasculature using two-photon microscopy. <i>Journal of Controlled Release</i> , 2013, 172, 274-280.	9.9	100
3	Early neurovascular dysfunction in a transgenic rat model of Alzheimer's disease. <i>Scientific Reports</i> , 2017, 7, 46427.	3.3	83
4	A physiological characterization of the Cafeteria diet model of metabolic syndrome in the rat. <i>Physiology and Behavior</i> , 2016, 167, 382-391.	2.1	74
5	Early-stage attenuation of phase-amplitude coupling in the hippocampus and medial prefrontal cortex in a transgenic rat model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2018, 144, 669-679.	3.9	69
6	Venular degeneration leads to vascular dysfunction in a transgenic model of Alzheimer's disease. <i>Brain</i> , 2015, 138, 1046-1058.	7.6	65
7	The Effects of Delayed Reduction of Tonic Inhibition on Ischemic Lesion and Sensorimotor Function. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1601-1609.	4.3	59
8	Neurovascular unit remodelling in the subacute stage of stroke recovery. <i>NeuroImage</i> , 2017, 146, 869-882.	4.2	45
9	Regional differences in Alzheimer's disease pathology confound behavioural rescue after amyloid- $\beta^2$ attenuation. <i>Brain</i> , 2020, 143, 359-373.	7.6	41
10	Hungry Neurons: Metabolic Insights on Seizure Dynamics. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2269.	4.1	32
11	Functional magnetic resonance imaging in chronic ischaemic stroke. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150353.	4.0	31
12	3D morphological analysis of the mouse cerebral vasculature: Comparison of in vivo and ex vivo methods. <i>PLoS ONE</i> , 2017, 12, e0186676.	2.5	31
13	Enhancement of automated blood flow estimates (ENABLE) from arterial spin-labeled MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 647-655.	3.4	30
14	MRI-detectable changes in mouse brain structure induced by voluntary exercise. <i>NeuroImage</i> , 2015, 113, 175-183.	4.2	29
15	Astrocytic gap junction blockade markedly increases extracellular potassium without causing seizures in the mouse neocortex. <i>Neurobiology of Disease</i> , 2017, 101, 1-7.	4.4	28
16	Neurogliovascular dysfunction in a model of repeated traumatic brain injury. <i>Theranostics</i> , 2018, 8, 4824-4836.	10.0	28
17	Refinement of a chronic cranial window implant in the rat for longitudinal in vivo two-photon fluorescence microscopy of neurovascular function. <i>Scientific Reports</i> , 2019, 9, 5499.	3.3	28
18	Imaging brain activity during seizures in freely behaving rats using a miniature multi-modal imaging system. <i>Biomedical Optics Express</i> , 2016, 7, 3596.	2.9	25

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19	Effects of voluntary exercise on structure and function of cortical microvasculature. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1046-1059.	4.3	19
20	Attenuation of functional hyperemia to visual stimulation in mild Alzheimer's disease and its sensitivity to cholinesterase inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 957-965.	3.8	18
21	Acute and chronic stage adaptations of vascular architecture and cerebral blood flow in a mouse model of TBI. <i>NeuroImage</i> , 2019, 202, 116101.	4.2	18
22	Classifying cognitive impairment based on the spatial heterogeneity of cerebral blood flow images. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 858-867.	3.4	14
23	Oophorectomy Reduces Estradiol Levels and Long-Term Spontaneous Neurovascular Recovery in a Female Rat Model of Focal Ischemic Stroke. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 338.	2.9	12
24	Combinatorial Treatment Using Umbilical Cord Perivascular Cells and A $\beta$ Clearance Rescues Vascular Function Following Transient Hypertension in a Rat Model of Alzheimer Disease. <i>Hypertension</i> , 2019, 74, 1041-1051.	2.7	11
25	Modulation of the peri-infarct neurogliovascular function by delayed COX-1 inhibition. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 505-517.	3.4	10
26	Reduced Cerebrovascular Reactivity and Increased Resting Cerebral Perfusion in Rats Exposed to a Cafeteria Diet. <i>Neuroscience</i> , 2018, 371, 166-177.	2.3	10
27	Altered cerebral blood flow and cerebrovascular function after voluntary exercise in adult mice. <i>Brain Structure and Function</i> , 2017, 222, 3395-3405.	2.3	7
28	Neocortical in vivo focal and spreading potassium responses and the influence of astrocytic gap junctional coupling. <i>Neurobiology of Disease</i> , 2021, 147, 105160.	4.4	7
29	In vivo neurovascular response to focused photoactivation of Channelrhodopsin-2. <i>NeuroImage</i> , 2019, 192, 135-144.	4.2	6
30	The effects of voluntary running on cerebrovascular morphology and spatial short-term memory in a mouse model of amyloidosis. <i>NeuroImage</i> , 2020, 222, 117269.	4.2	6
31	Cerebrovascular damage after midlife transient hypertension in non-transgenic and Alzheimer's disease rats. <i>Brain Research</i> , 2021, 1758, 147369.	2.2	6
32	Attenuation of tonic inhibition prevents chronic neurovascular impairments in a Thy1-ChR2 mouse model of repeated, mild traumatic brain injury. <i>Theranostics</i> , 2021, 11, 7685-7699.	10.0	6
33	Covert strokes prior to Alzheimer's disease onset accelerate peri-lesional pathology but not cognitive deficits in an inducible APP mouse model. <i>Brain Research</i> , 2021, 1754, 147233.	2.2	2
34	Functional micro-ultrasound imaging of rodent cerebral hemodynamics. , 2011, , .		1
35	Non-Invasive Ultrasound Detection of Cerebrovascular Changes in a Mouse Model of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 2157-2168.	3.4	1
36	Frequency selective neuronal modulation triggers spreading depolarizations in the rat endothelin-1 model of stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2756-2768.	4.3	1