

Tamas Csipo

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,480
citations

279798

23
h-index

361022

35
g-index

44
all docs

44
docs citations

44
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell RNA sequencing identifies senescent cerebrovascular endothelial cells in the aged mouse brain. <i>GeroScience</i> , 2020, 42, 429-444.	4.6	102
2	Nicotinamide mononucleotide (NMN) treatment attenuates oxidative stress and rescues angiogenic capacity in aged cerebrovascular endothelial cells: a potential mechanism for the prevention of vascular cognitive impairment. <i>GeroScience</i> , 2019, 41, 619-630.	4.6	97
3	Nicotinamide mononucleotide (NMN) supplementation promotes neurovascular rejuvenation in aged mice: transcriptional footprint of SIRT1 activation, mitochondrial protection, anti-inflammatory, and anti-apoptotic effects. <i>GeroScience</i> , 2020, 42, 527-546.	4.6	85
4	Treatment with the poly(ADP-ribose) polymerase inhibitor PJ-34 improves cerebrovascular endothelial function, neurovascular coupling responses and cognitive performance in aged mice, supporting the NAD ⁺ depletion hypothesis of neurovascular aging. <i>GeroScience</i> , 2019, 41, 533-542.	4.6	84
5	Nrf2 dysfunction and impaired cellular resilience to oxidative stressors in the aged vasculature: from increased cellular senescence to the pathogenesis of age-related vascular diseases. <i>GeroScience</i> , 2019, 41, 727-738.	4.6	80
6	Nicotinamide mononucleotide (NMN) supplementation promotes anti-aging miRNA expression profile in the aorta of aged mice, predicting epigenetic rejuvenation and anti-atherogenic effects. <i>GeroScience</i> , 2019, 41, 419-439.	4.6	75
7	Retinal biomarkers for Alzheimer's disease and vascular cognitive impairment and dementia (VCID): implication for early diagnosis and prognosis. <i>GeroScience</i> , 2020, 42, 1499-1525.	4.6	64
8	Assessment of age-related decline of neurovascular coupling responses by functional near-infrared spectroscopy (fNIRS) in humans. <i>GeroScience</i> , 2019, 41, 495-509.	4.6	63
9	Age-related decline in peripheral vascular health predicts cognitive impairment. <i>GeroScience</i> , 2019, 41, 125-136.	4.6	62
10	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiation-induced impairment of neurovascular coupling responses protecting cognitive function in mice. <i>GeroScience</i> , 2020, 42, 409-428.	4.6	62
11	Role of age-related alterations of the cerebral venous circulation in the pathogenesis of vascular cognitive impairment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1124-H1140.	3.2	56
12	Age-related impairment of neurovascular coupling responses: a dynamic vessel analysis (DVA)-based approach to measure decreased flicker light stimulus-induced retinal arteriolar dilation in healthy older adults. <i>GeroScience</i> , 2019, 41, 341-349.	4.6	53
13	Obesity-induced cognitive impairment in older adults: a microvascular perspective. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H740-H761.	3.2	51
14	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. <i>GeroScience</i> , 2019, 41, 813-845.	4.6	49
15	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. <i>GeroScience</i> , 2019, 41, 575-589.	4.6	47
16	Fusogenic liposomes effectively deliver resveratrol to the cerebral microcirculation and improve endothelium-dependent neurovascular coupling responses in aged mice. <i>GeroScience</i> , 2019, 41, 711-725.	4.6	45
17	Treatment with the BCL-2/BCL-xL inhibitor senolytic drug ABT263/Navitoclax improves functional hyperemia in aged mice. <i>GeroScience</i> , 2021, 43, 2427-2440.	4.6	40
18	Short-term weight loss reverses obesity-induced microvascular endothelial dysfunction. <i>GeroScience</i> , 2018, 40, 337-346.	4.6	39

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19	Circulating anti-geronic factors from heterochronic parabionts promote vascular rejuvenation in aged mice: transcriptional footprint of mitochondrial protection, attenuation of oxidative stress, and rescue of endothelial function by young blood. <i>GeroScience</i> , 2020, 42, 727-748.	4.6	39
20	Increased cognitive workload evokes greater neurovascular coupling responses in healthy young adults. <i>PLoS ONE</i> , 2021, 16, e0250043.	2.5	37
21	Endothelial deficiency of insulin-like growth factor-1 receptor (IGF1R) impairs neurovascular coupling responses in mice, mimicking aspects of the brain aging phenotype. <i>GeroScience</i> , 2021, 43, 2387-2394.	4.6	31
22	Comorbidities and increased mortality of COVID-19 among the elderly: A systematic review. <i>Physiology International</i> , 2022, 109, 163-176.	1.6	30
23	Astrocyte senescence contributes to cognitive decline. <i>GeroScience</i> , 2020, 42, 51-55.	4.6	28
24	Demonstration of age-related blood-brain barrier disruption and cerebrovascular rarefaction in mice by longitudinal intravital two-photon microscopy and optical coherence tomography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1370-H1392.	3.2	28
25	Renin overexpression leads to increased titin-based stiffness contributing to diastolic dysfunction in hypertensive mRen2 rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1671-H1682.	3.2	24
26	Sleep deprivation impairs cognitive performance, alters task-associated cerebral blood flow and decreases cortical neurovascular coupling-related hemodynamic responses. <i>Scientific Reports</i> , 2021, 11, 20994.	3.3	22
27	Imaging retinal microvascular manifestations of carotid artery disease in older adults: from diagnosis of ocular complications to understanding microvascular contributions to cognitive impairment. <i>GeroScience</i> , 2021, 43, 1703-1723.	4.6	18
28	Omecamtiv mecarbil evokes diastolic dysfunction and leads to periodic electromechanical alternans. <i>Basic Research in Cardiology</i> , 2021, 116, 24.	5.9	15
29	Old blood from heterochronic parabionts accelerates vascular aging in young mice: transcriptomic signature of pathologic smooth muscle remodeling. <i>GeroScience</i> , 2022, 44, 953-981.	4.6	15
30	Sleep deprivation alters task-related changes in functional connectivity of the frontal cortex: A near-infrared spectroscopy study. <i>Brain and Behavior</i> , 2021, 11, e02135.	2.2	13
31	Microvascular dysfunction and neurovascular uncoupling are exacerbated in peripheral artery disease, increasing the risk of cognitive decline in older adults. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H924-H935.	3.2	12
32	Endothelial Dysfunction and Impaired Neurovascular Coupling Responses Precede Cognitive Impairment in a Mouse Model of Geriatric Sepsis. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 644733.	3.4	5
33	Urinary Biomarkers of Oxidative Stress in Aging: Implications for Prediction of Accelerated Biological Age in Prospective Cohort Studies. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-12.	4.0	4
34	Long Term Osmotic Mini Pump Treatment with Alpha-MSH Improves Myocardial Function in Zucker Diabetic Fatty Rats. <i>Molecules</i> , 2017, 22, 1702.	3.8	3
35	A Central Role for TRPM4 in Ca ²⁺ -Signal Amplification and Vasoconstriction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1465.	4.1	2
36	Demonstration of Age-Related Increases in Blood-Brain Barrier Permeability and Microvascular Rarefaction in the Mouse Cerebral Cortex by Longitudinal Intravital Two-Photon Microscopy and Optical Coherence Tomography (OCT). <i>FASEB Journal</i> , 2021, 35, .	0.5	0

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37	Interaction of obesity and Nrf2 deficiency exacerbates vascular aging: potential role of endothelial senescence. FASEB Journal, 2019, 33, 518.9.	0.5	0
38	Endothelium-specific disruption of IGF-1 signaling impairs blood flow regulation in mice. FASEB Journal, 2019, 33, 684.13.	0.5	0
39	Treatment of aged mice with the mitochondria targeted antioxidative peptide SS-31 protects against hypertension-induced cerebral microhemorrhages. FASEB Journal, 2019, 33, 518.6.	0.5	0
40	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice.. FASEB Journal, 2020, 34, 1-1.	0.5	0
41	Nicotinamide mononucleotide (NMN) supplementation promotes anti-aging miRNA expression profile in the aorta of aged mice, predicting epigenetic rejuvenation and anti-atherogenic effects.. FASEB Journal, 2020, 34, 1-1.	0.5	0
42	Age-related Changes in Systemic Circulation Promote Vascular Maladaptation and Impair Vascular Reactivity in Retinal and Brain Circulation in Older Adults. FASEB Journal, 2020, 34, 1-1.	0.5	0
43	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiation-induced impairment of neurovascular coupling responses protecting cognitive function in mice. FASEB Journal, 2020, 34, 1-1.	0.5	0
44	Treatment with the poly(ADP-ribose) polymerase inhibitor PJ-34 improves cerebrovascular endothelial function, neurovascular coupling responses and cognitive performance in aged mice, supporting the NAD ⁺ depletion hypothesis of neurovascular aging.. FASEB Journal, 2020, 34, 1-1.	0.5	0