

Zoltan I Ungvari

List of Publications by Year in descending order

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Version: 2024-02-01

289
papers

22,216
citations

5876

81
h-index

10708

138
g-index

290
all docs

290
docs citations

290
times ranked

21017
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding the horizon of research into the pathogenesis of the white matter diseases: Proceedings of the 2021 Annual Workshop of the Albert Research Institute for White Matter and Cognition. <i>GeroScience</i> , 2022, 44, 25-37.	2.1	1
2	Cerebral venous congestion exacerbates cerebral microhemorrhages in mice. <i>GeroScience</i> , 2022, 44, 805-816.	2.1	10
3	Modeling of nursing care-associated airborne transmission of SARS-CoV-2 in a real-world hospital setting. <i>GeroScience</i> , 2022, , .	2.1	3
4	Spatial transcriptomic analysis reveals inflammatory foci defined by senescent cells in the white matter, hippocampi and cortical grey matter in the aged mouse brain. <i>GeroScience</i> , 2022, 44, 661-681.	2.1	25
5	A Central Role for TRPM4 in Ca ²⁺ -Signal Amplification and Vasoconstriction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1465.	1.8	2
6	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.	2.1	15
7	Increased Susceptibility to Cerebral Microhemorrhages Is Associated With Imaging Signs of Microvascular Degeneration in the Retina in an Insulin-Like Growth Factor 1 Deficient Mouse Model of Accelerated Aging. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 788296.	1.7	11
8	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.	1.5	12
9	Stringent public health measures during COVID-19 across ischemic stroke care systems: the potential impact of patient perceptions on health care-seeking behaviors. <i>GeroScience</i> , 2022, , 1.	2.1	2
10	Persistent viral RNA shedding of SARS-CoV-2 is associated with delirium incidence and six-month mortality in hospitalized COVID-19 patients. <i>GeroScience</i> , 2022, 44, 1241-1254.	2.1	12
11	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.	1.9	4
12	Traumatic brain injury-induced cerebral microbleeds in the elderly. <i>GeroScience</i> , 2021, 43, 125-136.	2.1	17
13	Comparison of clinical characteristics of patients with pandemic SARS-CoV-2-related and community-acquired pneumonias in Hungary – a pilot historical case-control study. <i>GeroScience</i> , 2021, 43, 53-64.	2.1	4
14	Midlife Obesity Impairs Neurovascular Coupling Responses. <i>Obesity</i> , 2021, 29, 17-17.	1.5	5
15	Obesity-induced cognitive impairment in older adults: a microvascular perspective. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H740-H761.	1.5	51
16	Whole brain irradiation in mice causes long-term impairment in astrocytic calcium signaling but preserves astrocyte-astrocyte coupling. <i>GeroScience</i> , 2021, 43, 197-212.	2.1	10
17	Heterochronic blood exchange attenuates age-related neuroinflammation and confers cognitive benefits: do microvascular protective effects play a role?. <i>GeroScience</i> , 2021, 43, 111-113.	2.1	2
18	The future of healthy aging: translation of geroscience discoveries to public health practice. <i>European Journal of Public Health</i> , 2021, 31, 455-456.	0.1	8

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19	IGF1R signaling regulates astrocyte-mediated neurovascular coupling in mice: implications for brain aging. <i>GeroScience</i> , 2021, 43, 901-911.	2.1	35
20	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.	1.5	28
21	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, .	0.2	0
22	Increased cognitive workload evokes greater neurovascular coupling responses in healthy young adults. <i>PLoS ONE</i> , 2021, 16, e0250043.	1.1	37
23	Chemotherapy-Induced Vascular Cognitive Impairment: Role of Endothelial Senescence. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
24	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.	1.7	5
25	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.	2.1	18
26	Early manifestation of gait alterations in the Tg2576 mouse model of Alzheimer's disease. <i>GeroScience</i> , 2021, 43, 1947-1957.	2.1	13
27	Effect of Growth Hormone on Neuropsychological Outcomes and Quality of Life of Patients with Traumatic Brain Injury: A Systematic Review. <i>Journal of Neurotrauma</i> , 2021, 38, 1467-1483.	1.7	11
28	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.	1.0	13
29	Hypertension-induced cognitive impairment: from pathophysiology to public health. <i>Nature Reviews Nephrology</i> , 2021, 17, 639-654.	4.1	192
30	Effect of genetic depletion of MMP-9 on neurological manifestations of hypertension-induced intracerebral hemorrhages in aged mice. <i>GeroScience</i> , 2021, 43, 2611-2619.	2.1	10
31	Animal reservoirs of SARS-CoV-2: calculable COVID-19 risk for older adults from animal to human transmission. <i>GeroScience</i> , 2021, 43, 2305-2320.	2.1	15
32	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.	2.1	40
33	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.	2.1	31
34	Cognitive decrement in older adults with symptomatic peripheral artery disease. <i>GeroScience</i> , 2021, 43, 2455-2465.	2.1	13
35	The Effect of Mild Traumatic Brain Injury on Cerebral Microbleeds in Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 717391.	1.7	1
36	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.	1.6	22

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37	Changes in the SARS-CoV-2 cellular receptor ACE2 levels in cardiovascular patients: a potential biomarker for the stratification of COVID-19 patients. <i>GeroScience</i> , 2021, 43, 2289-2304.	2.1	13
38	Reduced adenosine diphosphate sensitivity in skeletal muscle mitochondria increases reactive oxygen species production in mouse models of aging and oxidative stress but not denervation. <i>JCSM Rapid Communications</i> , 2021, 4, 75-89.	0.6	9
39	The aging venous system: from varicosities to vascular cognitive impairment. <i>GeroScience</i> , 2021, 43, 2761-2784.	2.1	27
40	Semmelweis Caring University Model Program Based on the Development of a Center of Preventive Services: Health for All Employees at a University Occupational Setting. <i>Frontiers in Public Health</i> , 2021, 9, 727668.	1.3	1
41	Demonstration Of Age-Related Increase In Blood-Brain Barrier Permeability By Longitudinal Intravital Microscopy. <i>Innovation in Aging</i> , 2021, 5, 663-663.	0.0	1
42	Prostaglandin E2, a postulated mediator of neurovascular coupling, at low concentrations dilates whereas at higher concentrations constricts human cerebral parenchymal arterioles. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 146, 106389.	1.0	12
43	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.	2.1	64
44	Companion animals likely do not spread COVID-19 but may get infected themselves. <i>GeroScience</i> , 2020, 42, 1229-1236.	2.1	39
45	Increases in hypertension-induced cerebral microhemorrhages exacerbate gait dysfunction in a mouse model of Alzheimer's disease. <i>GeroScience</i> , 2020, 42, 1685-1698.	2.1	33
46	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.	2.1	39
47	Mechanisms of Vascular Aging, A Geroscience Perspective. <i>Journal of the American College of Cardiology</i> , 2020, 75, 931-941.	1.2	137
48	CD82-TRPM7-Numb signaling mediates age-related cognitive impairment. <i>GeroScience</i> , 2020, 42, 595-611.	2.1	14
49	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.	2.1	85
50	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.	2.1	62
51	Single-cell RNA sequencing identifies senescent cerebrovascular endothelial cells in the aged mouse brain. <i>GeroScience</i> , 2020, 42, 429-444.	2.1	102
52	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
53	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
54	Fusogenic Liposomes Deliver Resveratrol to Brain Microcirculation and Improve Neurovascular Coupling in Aged Mice. <i>Innovation in Aging</i> , 2020, 4, 120-120.	0.0	0

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55	NMN Rescues Endothelial Function and Neurovascular Coupling, Improving Cognitive Function in Aged Mice. <i>Innovation in Aging</i> , 2020, 4, 121-121.	0.0	1
56	Nicotinamide mononucleotide (NMN) supplementation promotes anti-aging miRNA expression profile in the aorta of aged mice, predicting epigenetic rejuvenation and anti-atherogenic effects.. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
57	Age-related Changes in Systemic Circulation Promote Vascular Maladaptation and Impair Vascular Reactivity in Retinal and Brain Circulation in Older Adults. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
58	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiation-induced impairment of neurovascular coupling responses protecting cognitive function in mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
59	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>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
60	Obesity in Aging Exacerbates Neuroinflammation, Dysregulating Synaptic Function-Related Genes and Altering Eicosanoid Synthesis in the Mouse Hippocampus: Potential Role in Impaired Synaptic Plasticity and Cognitive Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 290-298.	1.7	72
61	IGF-1 Deficiency Promotes Pathological Remodeling of Cerebral Arteries: A Potential Mechanism Contributing to the Pathogenesis of Intracerebral Hemorrhages in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 446-454.	1.7	37
62	Single Mild Traumatic Brain Injury Induces Persistent Disruption of the Blood-Brain Barrier, Neuroinflammation and Cognitive Decline in Hypertensive Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3223.	1.8	21
63	Hypertension Exacerbates Cerebrovascular Oxidative Stress Induced by Mild Traumatic Brain Injury: Protective Effects of the Mitochondria-Targeted Antioxidative Peptide SS-31. <i>Journal of Neurotrauma</i> , 2019, 36, 3309-3315.	1.7	15
64	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice. <i>GeroScience</i> , 2019, 41, 609-617.	2.1	50
65	Potential Adverse Cardiovascular Effects of Treatment With Fluoxetine and Other Selective Serotonin Reuptake Inhibitors (SSRIs) in Patients With Geriatric Depression: Implications for Atherogenesis and Cerebrovascular Dysregulation. <i>Frontiers in Genetics</i> , 2019, 10, 898.	1.1	22
66	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.	2.1	84
67	Assessment of age-related decline of neurovascular coupling responses by functional near-infrared spectroscopy (fNIRS) in humans. <i>GeroScience</i> , 2019, 41, 495-509.	2.1	63
68	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. <i>GeroScience</i> , 2019, 41, 575-589.	2.1	47
69	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.	2.1	45
70	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.	2.1	80
71	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.	2.1	75
72	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.	2.1	53

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73	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.	2.1	97
74	Central IGF-1 protects against features of cognitive and sensorimotor decline with aging in male mice. <i>GeroScience</i> , 2019, 41, 185-208.	2.1	59
75	Chemically induced carcinogenesis in rodent models of aging: assessing organismal resilience to genotoxic stressors in geroscience research. <i>GeroScience</i> , 2019, 41, 209-227.	2.1	16
76	Age-related decline in peripheral vascular health predicts cognitive impairment. <i>GeroScience</i> , 2019, 41, 125-136.	2.1	62
77	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.	1.5	56
78	Role of endothelial NAD ⁺ deficiency in age-related vascular dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1253-H1266.	1.5	68
79	Nicotinamide mononucleotide (NMN) supplementation rescues cerebrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. <i>Redox Biology</i> , 2019, 24, 101192.	3.9	181
80	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. <i>GeroScience</i> , 2019, 41, 813-845.	2.1	49
81	Age-Related Alterations in Gait Function in Freely Moving Male C57BL/6 Mice: Translational Relevance of Decreased Cadence and Increased Gait Variability. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1417-1421.	1.7	18
82	Age-related Peripheral Vascular Dysfunction Predicts Cognitive Decline in Healthy Individuals. <i>FASEB Journal</i> , 2019, 33, 685.11.	0.2	0
83	Age-related alterations in gait function in freely moving male C57BL/6 mice: translational relevance of decreased cadence and increased gait variability. <i>FASEB Journal</i> , 2019, 33, 518.7.	0.2	2
84	Cellular Senescence in the Rostral Ventrolateral Medulla (RVLM) – Novel Implications for Obesity-induced Sympathoexcitation. <i>FASEB Journal</i> , 2019, 33, 563.3.	0.2	2
85	Interaction of obesity and Nrf2 deficiency exacerbates vascular aging: potential role of endothelial senescence. <i>FASEB Journal</i> , 2019, 33, 518.9.	0.2	0
86	Endothelium-specific disruption of IGF-1 signaling impairs blood flow regulation in mice. <i>FASEB Journal</i> , 2019, 33, 684.13.	0.2	0
87	Age-related neurovascular coupling impairment is associated with cognitive decline in healthy individuals. <i>FASEB Journal</i> , 2019, 33, 685.15.	0.2	0
88	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. <i>FASEB Journal</i> , 2019, 33, 518.8.	0.2	0
89	Treatment of aged mice with the mitochondria targeted antioxidative peptide SS-31 protects against hypertension-induced cerebral microhemorrhages. <i>FASEB Journal</i> , 2019, 33, 518.6.	0.2	0
90	Nrf2 deficiency exacerbates age-related contractile dysfunction and loss of skeletal muscle mass. <i>Redox Biology</i> , 2018, 17, 47-58.	3.9	67

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91	Treatment with the mitochondrial-targeted antioxidant peptide α SS1 rescues neurovascular coupling responses and cerebrovascular endothelial function and improves cognition in aged mice. <i>Aging Cell</i> , 2018, 17, e12731.	3.0	128
92	Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Blood-Brain Barrier Disruption, Neuroinflammation, Amyloidogenic Gene Expression, and Cognitive Decline in Mice, Mimicking the Aging Phenotype. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 853-863.	1.7	111
93	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With 6-Minute Walk Performance in Patients With Symptomatic Peripheral Artery Disease. <i>Angiology</i> , 2018, 69, 416-423.	0.8	6
94	Traumatic Brain Injury Impairs Myogenic Constriction of Cerebral Arteries: Role of Mitochondria-Derived H_2O_2 and TRPV4-Dependent Activation of BK_{Ca} Channels. <i>Journal of Neurotrauma</i> , 2018, 35, 930-939.	1.7	42
95	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. <i>GeroScience</i> , 2018, 40, 513-521.	2.1	114
96	Repeated Valsalva maneuvers promote symptomatic manifestations of cerebral microhemorrhages: implications for the pathogenesis of vascular cognitive impairment in older adults. <i>GeroScience</i> , 2018, 40, 485-496.	2.1	18
97	Inhibition of mTOR protects the blood-brain barrier in models of Alzheimer's disease and vascular cognitive impairment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H693-H703.	1.5	89
98	Mechanisms of Vascular Aging. <i>Circulation Research</i> , 2018, 123, 849-867.	2.0	512
99	Assessment of endothelial function in leptomeningeal arterioles derived from patients with Alzheimer's disease and vascular cognitive impairment. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H790-H793.	1.5	1
100	Simultaneous assessment of cognitive function, circadian rhythm, and spontaneous activity in aging mice. <i>GeroScience</i> , 2018, 40, 123-137.	2.1	37
101	Endothelial dysfunction and angiogenesis impairment in the ageing vasculature. <i>Nature Reviews Cardiology</i> , 2018, 15, 555-565.	6.1	256
102	Age-related focal loss of contractile vascular smooth muscle cells in retinal arterioles is accelerated by caveolin-1 deficiency. <i>Neurobiology of Aging</i> , 2018, 71, 1-12.	1.5	16
103	Age-dependent cardiovascular effects of sepsis in a murine model of cecal ligation and puncture: implications for the design of interventional studies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1356-H1357.	1.5	3
104	Short-term weight loss reverses obesity-induced microvascular endothelial dysfunction. <i>GeroScience</i> , 2018, 40, 337-346.	2.1	39
105	Cerebral microhemorrhages impair gait coordination in mice. <i>FASEB Journal</i> , 2018, 32, 578.9.	0.2	0
106	Selective disruption of IGF1 signaling in astrocytes impairs neurovascular coupling in mice: implications for cerebrovascular aging. <i>FASEB Journal</i> , 2018, 32, 711.10.	0.2	0
107	Pharmacologically-induced impairment of neurovascular coupling responses alters gait coordination in mice. <i>FASEB Journal</i> , 2018, 32, 711.9.	0.2	0
108	IGF1 deficiency promotes pathological remodeling of cerebral arteries: a potential mechanism contributing to the pathogenesis of intracerebral hemorrhages in aging. <i>FASEB Journal</i> , 2018, 32, 711.8.	0.2	2

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109	The GH/IGF-1 axis in a critical period early in life determines cellular DNA repair capacity by altering transcriptional regulation of DNA repair-related genes: implications for the developmental origins of cancer. <i>GeroScience</i> , 2017, 39, 147-160.	2.1	65
110	Cerebromicrovascular dysfunction predicts cognitive decline and gait abnormalities in a mouse model of whole brain irradiation-induced accelerated brain senescence. <i>GeroScience</i> , 2017, 39, 33-42.	2.1	78
111	Association between daily walking and antioxidant capacity in patients with symptomatic peripheral artery disease. <i>Journal of Vascular Surgery</i> , 2017, 65, 1762-1768.	0.6	17
112	IGF-1 has sexually dimorphic, pleiotropic, and time-dependent effects on healthspan, pathology, and lifespan. <i>GeroScience</i> , 2017, 39, 129-145.	2.1	111
113	Demonstration of impaired neurovascular coupling responses in TG2576 mouse model of Alzheimer's disease using functional laser speckle contrast imaging. <i>GeroScience</i> , 2017, 39, 465-473.	2.1	70
114	Cerebral microhemorrhages: mechanisms, consequences, and prevention. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1128-H1143.	1.5	104
115	Insulin-like growth factor 1 deficiency exacerbates hypertension-induced cerebral microhemorrhages in mice, mimicking the aging phenotype. <i>Aging Cell</i> , 2017, 16, 469-479.	3.0	78
116	Functional vascular contributions to cognitive impairment and dementia: mechanisms and consequences of cerebral autoregulatory dysfunction, endothelial impairment, and neurovascular uncoupling in aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1-H20.	1.5	345
117	Age-related impairment of metabovascular coupling during cortical spreading depolarizations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H1209-H1212.	1.5	0
118	Hypertension impairs neurovascular coupling and promotes microvascular injury: role in exacerbation of Alzheimer's disease. <i>GeroScience</i> , 2017, 39, 359-372.	2.1	78
119	Connective tissue growth factor (CTGF) in age-related vascular pathologies. <i>GeroScience</i> , 2017, 39, 491-498.	2.1	46
120	Hypertension-induced synapse loss and impairment in synaptic plasticity in the mouse hippocampus mimics the aging phenotype: implications for the pathogenesis of vascular cognitive impairment. <i>GeroScience</i> , 2017, 39, 385-406.	2.1	63
121	Impaired neurovascular coupling in aging and Alzheimer's disease: Contribution of astrocyte dysfunction and endothelial impairment to cognitive decline. <i>Experimental Gerontology</i> , 2017, 94, 52-58.	1.2	302
122	Pharmacologically induced impairment of neurovascular coupling responses alters gait coordination in mice. <i>GeroScience</i> , 2017, 39, 601-614.	2.1	45
123	Cerebral Microvascular Accumulation of Tau Oligomers in Alzheimer's Disease and Related Tauopathies. , 2017, 8, 257.		82
124	Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. <i>Aging</i> , 2016, 8, 899-916.	1.4	44
125	Pharmacological Strategies to Retard Cardiovascular Aging. <i>Circulation Research</i> , 2016, 118, 1626-1642.	2.0	64
126	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebromicrovascular and brain aging. <i>Age</i> , 2016, 38, 273-289.	3.0	70

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127	IGF-1 deficiency in a critical period early in life influences the vascular aging phenotype in mice by altering miRNA-mediated post-transcriptional gene regulation: implications for the developmental origins of health and disease hypothesis. <i>Age</i> , 2016, 38, 239-258.	3.0	36
128	Traumatic brain injury-induced autoregulatory dysfunction and spreading depression-related neurovascular uncoupling: Pathomechanisms, perspectives, and therapeutic implications. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1118-H1131.	1.5	85
129	IGF-1 Regulates Vertebral Bone Aging Through Sex-Specific and Time-Dependent Mechanisms. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 443-454.	3.1	41
130	Association between gait characteristics and endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. <i>Age</i> , 2016, 38, 64.	3.0	38
131	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. <i>Journal of Neuroscience</i> , 2016, 36, 3363-3377.	1.7	38
132	Recent Developments in Understanding Brain Aging: Implications for Alzheimer's Disease and Vascular Cognitive Impairment. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 13-20.	1.7	42
133	Biotin-conjugated fusogenic liposomes for high-quality cell purification. <i>Journal of Biomaterials Applications</i> , 2016, 30, 846-856.	1.2	10
134	<i>Cardiovascular Disease and Aging</i> . , 2016, , 121-160.		10
135	IGF-1 deficiency impairs neurovascular coupling in mice: implications for cerebrovascular aging. <i>Aging Cell</i> , 2015, 14, 1034-1044.	3.0	121
136	Purinergic glio-endothelial coupling during neuronal activity: role of P2Y ₁ receptors and eNOS in functional hyperemia in the mouse somatosensory cortex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1837-H1845.	1.5	74
137	Resveratrol Encapsulated in Novel Fusogenic Liposomes Activates Nrf2 and Attenuates Oxidative Stress in Cerebrovascular Endothelial Cells From Aged Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 303-313.	1.7	56
138	Age-Related Decline of Autocrine Pituitary Adenylate Cyclase-Activating Polypeptide Impairs Angiogenic Capacity of Rat Cerebrovascular Endothelial Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 665-674.	1.7	36
139	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With Exercise Performance and Microcirculation in Patients With Symptomatic Peripheral Artery Disease. <i>Angiology</i> , 2015, 66, 867-874.	0.8	20
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