Zoltan I Ungvari

List of Publications by Year
in descending order

289 papers	22,216 citations	5574 82 h-index	10734 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 theÂpathogenesis of the white matter diseases: Proceedings of the 2021 Annual Workshop of the Albert Research Institute for White Matter and Cognition. GeroScience, 2022, 44, 25-37.	4.6	1
2	Cerebral venous congestion exacerbates cerebral microhemorrhages in mice. GeroScience, 2022, 44, 805-816.	4.6	10
3	Modeling of nursing care-associated airborne transmission of SARS-CoV-2 in a real-world hospital setting. GeroScience, 2022, , .	4.6	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. GeroScience, 2022, 44, 661-681.	4.6	25
5	A Central Role for TRPM4 in Ca2+-Signal Amplification and Vasoconstriction. International Journal of Molecular Sciences, 2022, 23, 1465.	4.1	2
6	Old blood from heterochronic parabionts accelerates vascular aging in young mice: transcriptomic signature of pathologic smooth muscle remodeling. GeroScience, 2022, 44, 953-981.	4.6	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. Frontiers in Aging Neuroscience, 2022, 14, 788296.	3.4	11
8	Microvascular dysfunction and neurovascular uncoupling are exacerbated in peripheral artery disease, increasing the risk of cognitive decline in older adults. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H924-H935.	3.2	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. GeroScience, 2022, , 1.	4.6	2
10	Persistent viral RNA shedding of SARS-CoV-2 is associated with delirium incidence and six-month mortality in hospitalized COVID-19 patients. GeroScience, 2022, 44, 1241-1254.	4.6	12
11	Urinary Biomarkers of Oxidative Stress in Aging: Implications for Prediction of Accelerated Biological Age in Prospective Cohort Studies. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-12.	4.0	4
12	Traumatic brain injury-induced cerebral microbleeds in the elderly. GeroScience, 2021, 43, 125-136.	4.6	17
13	Comparison of clinical characteristics of patients with pandemic SARS-CoV-2-related and community-acquired pneumonias in Hungary â€“ a pilot historical case-control study. GeroScience, 2021, 43, 53-64.	4.6	4
14	Midlife Obesity Impairs Neurovascular Coupling Responses. Obesity, 2021, 29, 17-17.	3.0	5
15	Obesity-induced cognitive impairment in older adults: a microvascular perspective. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H740-H761.	3.2	51
16	Whole brain irradiation in mice causes long-term impairment in astrocytic calcium signaling but preserves astrocyte-astrocyte coupling. GeroScience, 2021, 43, 197-212.	4.6	10
17	Heterochronic blood exchange attenuates age-related neuroinflammation and confers cognitive benefits: do microvascular protective effects play a role?. GeroScience, 2021, 43, 111-113.	4.6	2
18	The future of healthy aging: translation of geroscience discoveries to public health practice. European Journal of Public Health, 2021, 31, 455-456.	0.3	8

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19	IGF1R signaling regulates astrocyte-mediated neurovascular coupling in mice: implications for brain aging. GeroScience, 2021, 43, 901-911.	4.6	35
20	Demonstration of age-related blood-brain barrier disruption and cerebromicrovascular rarefaction in mice by longitudinal intravital two-photon microscopy and optical coherence tomography. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1370-H1392.	3.2	28
21	Demonstration of Ageâ€Related Increases in Bloodâ€Brain Barrier Permeability and Microvascular Rarefaction in the Mouse Cerebral Cortex by Longitudinal Intravital Twoâ€Photon Microscopy and Optical Coherence Tomography (OCT). FASEB Journal, 2021, 35, .	0.5	0
22	Increased cognitive workload evokes greater neurovascular coupling responses in healthy young adults. PLoS ONE, 2021, 16, e0250043.	2.5	37
23	Chemotherapyâ€Induced Vascular Cognitive Impairment: Role of Endothelial Senescence. FASEB Journal, 2021, 35, .	0.5	0
24	Endothelial Dysfunction and Impaired Neurovascular Coupling Responses Precede Cognitive Impairment in a Mouse Model of Geriatric Sepsis. Frontiers in Aging Neuroscience, 2021, 13, 644733.	3.4	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. GeroScience, 2021, 43, 1703-1723.	4.6	18
26	Early manifestation of gait alterations in the Tg2576 mouse model of Alzheimerâ€™s disease. GeroScience, 2021, 43, 1947-1957.	4.6	13
27	Effect of Growth Hormone on Neuropsychological Outcomes and Quality of Life of Patients with Traumatic Brain Injury: A Systematic Review. Journal of Neurotrauma, 2021, 38, 1467-1483.	3.4	11
28	Sleep deprivation alters taskâ€related changes in functional connectivity of the frontal cortex: A nearâ€infrared spectroscopy study. Brain and Behavior, 2021, 11, e02135.	2.2	13
29	Hypertension-induced cognitive impairment: from pathophysiology to public health. Nature Reviews Nephrology, 2021, 17, 639-654.	9.6	192
30	Effect of genetic depletion of MMP-9 on neurological manifestations of hypertension-induced intracerebral hemorrhages in aged mice. GeroScience, 2021, 43, 2611-2619.	4.6	10
31	Animal reservoirs of SARS-CoV-2: calculable COVID-19 risk for older adults from animal to human transmission. GeroScience, 2021, 43, 2305-2320.	4.6	15
32	Treatment with the BCL-2/BCL-xL inhibitor senolytic drug ABT263/Navitoclax improves functional hyperemia in aged mice. GeroScience, 2021, 43, 2427-2440.	4.6	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. GeroScience, 2021, 43, 2387-2394.	4.6	31
34	Cognitive decrement in older adults with symptomatic peripheral artery disease. GeroScience, 2021, 43, 2455-2465.	4.6	13
35	The Effect of Mild Traumatic Brain Injury on Cerebral Microbleeds in Aging. Frontiers in Aging Neuroscience, 2021, 13, 717391.	3.4	1
36	Sleep deprivation impairs cognitive performance, alters task-associated cerebral blood flow and decreases cortical neurovascular coupling-related hemodynamic responses. Scientific Reports, 2021, 11, 20994.	3.3	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. GeroScience, 2021, 43, 2289-2304.	4.6	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. JCSM Rapid Communications, 2021, 4, 75-89.	1.6	9
39	The aging venous system: from varicosities to vascular cognitive impairment. GeroScience, 2021, 43, 2761-2784.	4.6	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. Frontiers in Public Health, 2021, 9, 727668.	2.7	1
41	Demonstration Of Age-Related Increase In Blood-Brain Barrier Permeability By Longitudinal Intravital Microscopy. Innovation in Aging, 2021, 5, 663-663.	0.1	1
42	Prostaglandin E2, a postulated mediator of neurovascular coupling, at low concentrations dilates whereas at higher concentrations constricts human cerebral parenchymal arterioles. Prostaglandins and Other Lipid Mediators, 2020, 146, 106389.	1.9	12
43	Retinal biomarkers for Alzheimerâ€™s disease and vascular cognitive impairment and dementia (VCID): implication for early diagnosis and prognosis. GeroScience, 2020, 42, 1499-1525.	4.6	64
44	Companion animals likely do not spread COVID-19 but may get infected themselves. GeroScience, 2020, 42, 1229-1236.	4.6	39
45	Increases in hypertension-induced cerebral microhemorrhages exacerbate gait dysfunction in a mouse model of Alzheimerâ€™s disease. GeroScience, 2020, 42, 1685-1698.	4.6	33
46	Circulating anti-geronic factors from heterochonic parabionts promote vascular rejuvenation in aged mice: transcriptional footprint of mitochondrial protection, attenuation of oxidative stress, and rescue of endothelial function by young blood. GeroScience, 2020, 42, 727-748.	4.6	39
47	Mechanisms of Vascular Aging, A Geroscience Perspective. Journal of the American College of Cardiology, 2020, 75, 931-941.	2.8	137
48	CD82-TRPM7-Numb signaling mediates age-related cognitive impairment. GeroScience, 2020, 42, 595-611.	4.6	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. GeroScience, 2020, 42, 527-546.	4.6	85
50	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiationâ€“induced impairment of neurovascular coupling responses protecting cognitive function in mice. GeroScience, 2020, 42, 409-428.	4.6	62
51	Single-cell RNA sequencing identifies senescent cerebromicrovascular endothelial cells in the aged mouse brain. GeroScience, 2020, 42, 429-444.	4.6	102
52	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice.. FASEB Journal, 2020, 34, 1-1.	0.5	0
53	Cerebral venous congestion promotes bloodâ€brain barrier disruption and neuroinflammation, impairing cognitive function in mice.. FASEB Journal, 2020, 34, 1-1.	0.5	0
54	Fusogenic Liposomes Deliver Resveratrol to Brain Microcirculation and Improve Neurovascular Coupling in Aged Mice. Innovation in Aging, 2020, 4, 120-120.	0.1	0

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55	NMN Rescues Endothelial Function and Neurovascular Coupling, Improving Cognitive Function in Aged Mice. Innovation in Aging, 2020, 4, 121-121.	0.1	1
56	Nicotinamide mononucleotide (NMN) supplementation promotes antiâ€aging miRNA expression profile in the aorta of aged mice, predicting epigenetic rejuvenation and antiâ€atherogenic effects.. FASEB Journal, 2020, 34, 1-1.	0.5	0
57	Ageâ€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
58	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiationâ€induced impairment of neurovascular coupling responses protecting cognitive function in mice. FASEB Journal, 2020, 34, 1-1.	0.5	0
59	Treatment with the poly(ADPâ€ribose) polymerase inhibitor PJâ€34 improves cerebromicrovascular 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
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. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 290-298.	3.6	72
61	IGF-1 Deficiency Promotes Pathological Remodeling of Cerebral Arteries: A Potential Mechanism Contributing to the Pathogenesis of Intracerebral Hemorrhages in Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 446-454.	3.6	37
62	Single Mild Traumatic Brain Injury Induces Persistent Disruption of the Blood-Brain Barrier, Neuroinflammation and Cognitive Decline in Hypertensive Rats. International Journal of Molecular Sciences, 2019, 20, 3223.	4.1	21
63	Hypertension Exacerbates Cerebrovascular Oxidative Stress Induced by Mild Traumatic Brain Injury: Protective Effects of the Mitochondria-Targeted Antioxidative Peptide SS-31. Journal of Neurotrauma, 2019, 36, 3309-3315.	3.4	15
64	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice. GeroScience, 2019, 41, 609-617.	4.6	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 Cerebromicrovascular Dysregulation. Frontiers in Genetics, 2019, 10, 898.	2.3	22
66	Treatment with the poly(ADP-ribose) polymerase inhibitor PJ-34 improves cerebromicrovascular endothelial function, neurovascular coupling responses and cognitive performance in aged mice, supporting the NAD+ depletion hypothesis of neurovascular aging. GeroScience, 2019, 41, 533-542.	4.6	84
67	Assessment of age-related decline of neurovascular coupling responses by functional near-infrared spectroscopy (fNIRS) in humans. GeroScience, 2019, 41, 495-509.	4.6	63
68	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. GeroScience, 2019, 41, 575-589.	4.6	47
69	Fusogenic liposomes effectively deliver resveratrol to the cerebral microcirculation and improve endothelium-dependent neurovascular coupling responses in aged mice. GeroScience, 2019, 41, 711-725.	4.6	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. GeroScience, 2019, 41, 727-738.	4.6	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. GeroScience, 2019, 41, 419-439.	4.6	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. GeroScience, 2019, 41, 341-349.	4.6	53

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73	Nicotinamide mononucleotide (NMN) treatment attenuates oxidative stress and rescues angiogenic capacity in aged cerebromicrovascular endothelial cells: a potential mechanism for the prevention of vascular cognitive impairment. GeroScience, 2019, 41, 619-630.	4.6	97
74	Central IGF-1 protects against features of cognitive and sensorimotor decline with aging in male mice. GeroScience, 2019, 41, 185-208.	4.6	59
75	Chemically induced carcinogenesis in rodent models of aging: assessing organismal resilience to genotoxic stressors in geroscience research. GeroScience, 2019, 41, 209-227.	4.6	16
76	Age-related decline in peripheral vascular health predicts cognitive impairment. GeroScience, 2019, 41, 125-136.	4.6	62
77	Role of age-related alterations of the cerebral venous circulation in the pathogenesis of vascular cognitive impairment. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1124-H1140.	3.2	56
78	Role of endothelial NAD⁺deficiency in age-related vascular dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1253-H1266.	3.2	68
79	Nicotinamide mononucleotide (NMN) supplementation rescues cerebromicrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. Redox Biology, 2019, 24, 101192.	9.0	181
80	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. GeroScience, 2019, 41, 813-845.	4.6	49
81	Age-Related Alterations in Gait Function in Freely Moving Male C57BL/6 Mice: Translational Relevance of Decreased Cadence and Increased Gait Variability. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1417-1421.	3.6	18
82	Ageâ€related Peripheral Vascular Dysfunction Predicts Cognitive Decline in Healthy Individuals. FASEB Journal, 2019, 33, 685.11.	0.5	0
83	Ageâ€related alterations in gait function in freely moving male C57BL/6 mice: translational relevance of decreased cadence and increased gait variability. FASEB Journal, 2019, 33, 518.7.	0.5	2
84	Cellular Senescence in the Rostral Ventrolateral Medulla (RVLM) â€“ Novel Implications for Obesityâ€induced Sympathoexcitation. FASEB Journal, 2019, 33, 563.3.	0.5	2
85	Interaction of obesity and Nrf2 deficiency exacerbates vascular aging: potential role of endothelial senescence. FASEB Journal, 2019, 33, 518.9.	0.5	0
86	Endotheliumâ€specific disruption of IGFâ€1 signaling impairs blood flow regulation in mice. FASEB Journal, 2019, 33, 684.13.	0.5	0
87	Ageâ€related neurovascular coupling impairment is associated with cognitive decline in healthy individuals. FASEB Journal, 2019, 33, 685.15.	0.5	0
88	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. FASEB Journal, 2019, 33, 518.8.	0.5	0
89	Treatment of aged mice with the mitochondria targeted antioxidative peptide SSâ€31 protects against hypertensionâ€induced cerebral microhemorrhages. FASEB Journal, 2019, 33, 518.6.	0.5	0
90	Nrf2 deficiency exacerbates age-related contractile dysfunction and loss of skeletal muscle mass. Redox Biology, 2018, 17, 47-58.	9.0	67

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91	Treatment with the mitochondrialâ€targeted antioxidant peptide <scp>SS</scp>â€31 rescues neurovascular coupling responses and cerebrovascular endothelial function and improves cognition in aged mice. Aging Cell, 2018, 17, e12731.	6.7	128
92	Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Bloodâ€“Brain Barrier Disruption, Neuroinflammation, Amyloidogenic Gene Expression, and Cognitive Decline in Mice, Mimicking the Aging Phenotype. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 853-863.	3.6	111
93	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With 6-Minute Walk Performance in Patients With Symptomatic Peripheral Artery Disease. Angiology, 2018, 69, 416-423.	1.8	6
94	Traumatic Brain Injury Impairs Myogenic Constriction of Cerebral Arteries: Role of Mitochondria-Derived H₂O₂ and TRPV4-Dependent Activation of BK_{ca} Channels. Journal of Neurotrauma, 2018, 35, 930-939.	3.4	42
95	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. GeroScience, 2018, 40, 513-521.	4.6	114
96	Repeated Valsalva maneuvers promote symptomatic manifestations of cerebral microhemorrhages: implications for the pathogenesis of vascular cognitive impairment in older adults. GeroScience, 2018, 40, 485-496.	4.6	18
97	Inhibition of mTOR protects the blood-brain barrier in models of Alzheimerâ€™s disease and vascular cognitive impairment. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H693-H703.	3.2	89
98	Mechanisms of Vascular Aging. Circulation Research, 2018, 123, 849-867.	4.5	512
99	Assessment of endothelial function in leptomeningeal arterioles derived from patients with Alzheimerâ€™s disease and vascular cognitive impairment. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H790-H793.	3.2	1
100	Simultaneous assessment of cognitive function, circadian rhythm, and spontaneous activity in aging mice. GeroScience, 2018, 40, 123-137.	4.6	37
101	Endothelial dysfunction and angiogenesis impairment in the ageing vasculature. Nature Reviews Cardiology, 2018, 15, 555-565.	13.7	256
102	Age-related focal loss of contractile vascular smooth muscle cells in retinal arterioles is accelerated by caveolin-1 deficiency. Neurobiology of Aging, 2018, 71, 1-12.	3.1	16
103	Age-dependent cardiovascular effects of sepsis in a murine model of cecal ligation and puncture: implications for the design of interventional studies. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1356-H1357.	3.2	3
104	Short-term weight loss reverses obesity-induced microvascular endothelial dysfunction. GeroScience, 2018, 40, 337-346.	4.6	39
105	Cerebral microhemorrhages impair gait coordination in mice. FASEB Journal, 2018, 32, 578.9.	0.5	0
106	Selective disruption of IGFâ€1 signaling in astrocytes impairs neurovascular coupling in mice: implications for cerebromicrovascular aging. FASEB Journal, 2018, 32, 711.10.	0.5	0
107	Pharmacologicallyâ€induced impairment of neurovascular coupling responses alters gait coordination in mice. FASEB Journal, 2018, 32, 711.9.	0.5	0
108	IGFâ€1 deficiency promotes pathological remodeling of cerebral arteries: a potential mechanism contributing to the pathogenesis of intracerebral hemorrhages in aging. FASEB Journal, 2018, 32, 711.8.	0.5	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. GeroScience, 2017, 39, 147-160.	4.6	65
110	Cerebromicrovascular dysfunction predicts cognitive decline and gait abnormalities in a mouse model of whole brain irradiation-induced accelerated brain senescence. GeroScience, 2017, 39, 33-42.	4.6	78
111	Association between daily walking and antioxidant capacity in patients with symptomatic peripheral artery disease. Journal of Vascular Surgery, 2017, 65, 1762-1768.	1.1	17
112	IGF-1 has sexually dimorphic, pleiotropic, and time-dependent effects on healthspan, pathology, and lifespan. GeroScience, 2017, 39, 129-145.	4.6	111
113	Demonstration of impaired neurovascular coupling responses in TG2576 mouse model of Alzheimerâ€™s disease using functional laser speckle contrast imaging. GeroScience, 2017, 39, 465-473.	4.6	70
114	Cerebral microhemorrhages: mechanisms, consequences, and prevention. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H1128-H1143.	3.2	104
115	Insulin-like growth factor 1 deficiency exacerbates hypertension-induced cerebral microhemorrhages in mice, mimicking the aging phenotype. Aging Cell, 2017, 16, 469-479.	6.7	78
116	Functional vascular contributions to cognitive impairment and dementia: mechanisms and consequences of cerebral autoregulatory dysfunction, endothelial impairment, and neurovascular uncoupling in aging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H1-H20.	3.2	345
117	Age-related impairment of metabovascular coupling during cortical spreading depolarizations. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1209-H1212.	3.2	0
118	Hypertension impairs neurovascular coupling and promotes microvascular injury: role in exacerbation of Alzheimerâ€™s disease. GeroScience, 2017, 39, 359-372.	4.6	78
119	Connective tissue growth factor (CTGF) in age-related vascular pathologies. GeroScience, 2017, 39, 491-498.	4.6	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. GeroScience, 2017, 39, 385-406.	4.6	63
121	Impaired neurovascular coupling in aging and Alzheimer's disease: Contribution of astrocyte dysfunction and endothelial impairment to cognitive decline. Experimental Gerontology, 2017, 94, 52-58.	2.8	302
122	Pharmacologically induced impairment of neurovascular coupling responses alters gait coordination in mice. GeroScience, 2017, 39, 601-614.	4.6	45
123	Cerebral Microvascular Accumulation of Tau Oligomers in Alzheimerâ€™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. Aging, 2016, 8, 899-916.	3.1	44
125	Pharmacological Strategies to Retard Cardiovascular Aging. Circulation Research, 2016, 118, 1626-1642.	4.5	64
126	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebromicrovascular and brain aging. Age, 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. Age, 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. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1118-H1131.	3.2	85
129	IGF-1 Regulates Vertebral Bone Aging Through Sex-Specific and Time-Dependent Mechanisms. Journal of Bone and Mineral Research, 2016, 31, 443-454.	2.8	41
130	Association between gait characteristics and endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. Age, 2016, 38, 64.	3.0	38
131	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. Journal of Neuroscience, 2016, 36, 3363-3377.	3.6	38
132	Recent Developments in Understanding Brain Aging: Implications for Alzheimerâ€™s Disease and Vascular Cognitive Impairment. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 13-20.	3.6	42
133	Biotin-conjugated fusogenic liposomes for high-quality cell purification. Journal of Biomaterials Applications, 2016, 30, 846-856.	2.4	10
134	Cardiovascular Disease and Aging. , 2016, , 121-160.		10
135	<scp>IGF</scp>â€1 deficiency impairs neurovascular coupling in mice: implications for cerebromicrovascular aging. Aging Cell, 2015, 14, 1034-1044.	6.7	121
136	Purinergic glio-endothelial coupling during neuronal activity: role of P2Y₁ receptors and eNOS in functional hyperemia in the mouse somatosensory cortex. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1837-H1845.	3.2	74
137	Resveratrol Encapsulated in Novel Fusogenic Liposomes Activates Nrf2 and Attenuates Oxidative Stress in Cerebromicrovascular Endothelial Cells From Aged Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 303-313.	3.6	56
138	Age-Related Decline of Autocrine Pituitary Adenylate Cyclase-Activating Polypeptide Impairs Angiogenic Capacity of Rat Cerebromicrovascular Endothelial Cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 665-674.	3.6	36
139	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With Exercise Performance and Microcirculation in Patients With Symptomatic Peripheral Artery Disease. Angiology, 2015, 66, 867-874.	1.8	20
140	Aging Impairs Myogenic Adaptation to Pulsatile Pressure in Mouse Cerebral Arteries. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 527-530.	4.3	54
141	Aging Exacerbates Pressure-Induced Mitochondrial Oxidative Stress in Mouse Cerebral Arteries: Figure 1.. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1355-1359.	3.6	59
142	Pharmacologically-Induced Neurovascular Uncoupling is Associated with Cognitive Impairment in Mice. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1871-1881.	4.3	105
143	Aging exacerbates hypertensionâ€induced cerebral microhemorrhages in mice: role of resveratrol treatment in vasoprotection. Aging Cell, 2015, 14, 400-408.	6.7	116
144	Gender and racial differences in endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. Journal of Vascular Surgery, 2015, 61, 1249-1257.	1.1	61

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145	Resveratrol Treatment Rescues Neurovascular Coupling in Aged Mice: Role of Improved Cerebromicrovascular Endothelial Function and Downâ€Regulation of NADPH Oxidase. FASEB Journal, 2015, 29, 787.6.	0.5	0
146	Caloric restriction confers persistent anti-oxidative, pro-angiogenic, and anti-inflammatory effects and promotes anti-aging miRNA expression profile in cerebromicrovascular endothelial cells of aged rats. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H292-H306.	3.2	128
147	Endothelin-1-Induced Focal Cerebral Ischemia in the Growth Hormone/IGF-1 Deficient Lewis Dwarf Rat. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1353-1362.	3.6	18
148	Brain and Cerebrovascular Aging - New Mechanisms and Insights. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1307-1310.	3.6	11
149	Systemic influences contribute to prolonged microvascular rarefaction after brain irradiation: a role for endothelial progenitor cells. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H858-H868.	3.2	22
150	IGF-1 Deficiency Impairs Cerebral Myogenic Autoregulation in Hypertensive Mice. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1887-1897.	4.3	90
151	Endothelial dysfunction is a potential contributor to multiple organ failure and mortality in aged mice subjected to septic shock: preclinical studies in a murine model of cecal ligation and puncture. Critical Care, 2014, 18, 511.	5.8	74
152	Impaired Vascular Endothelial Growth Factor A and Inflammation in Patients With Peripheral Artery Disease. Angiology, 2014, 65, 683-690.	1.8	41
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