Zoltan I Ungvari

List of Publications by Citations

Source: https://exaly.com/author-pdf/5284357/zoltan-i-ungvari-publications-by-citations.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273 papers	17,251 citations	75 h-index	124 g-index
290 ext. papers	19,593 ext. citations	6 avg, IF	6.6 L-index

#	Paper	IF	Citations
273	Resveratrol delays age-related deterioration and mimics transcriptional aspects of dietary restriction without extending life span. *Cell Metabolism*, **2008**, 8, 157-68	24.6	949
272	Aging-induced phenotypic changes and oxidative stress impair coronary arteriolar function. *Circulation Research*, **2002**, 90, 1159-66	15.7	449
271	Resveratrol confers endothelial protection via activation of the antioxidant transcription factor Nrf2. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H18-24	5.2	387
270	Mechanisms of vascular aging: new perspectives. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 1028-41	6.4	358
269	Inflammation and endothelial dysfunction during aging: role of NF-kappaB. *Journal of Applied Physiology*, **2008**, 105, 1333-41	3.7	336
268	Resveratrol induces mitochondrial biogenesis in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H13-20	5.2	324
267	Are sirtuins viable targets for improving healthspan and lifespan?. *Nature Reviews Drug Discovery*, **2012**, 11, 443-61	64.1	300
266	Mitochondria and cardiovascular aging. *Circulation Research*, **2012**, 110, 1109-24	15.7	275
265	Resveratrol attenuates mitochondrial oxidative stress in coronary arterial endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H1876-81	5.2	258
264	Increased mitochondrial H2O2 production promotes endothelial NF-kappaB activation in aged rat arteries. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H37-47	5.2	245
263	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	5.2	240
262	Potent metalloporphyrin peroxynitrite decomposition catalyst protects against the development of doxorubicin-induced cardiac dysfunction. *Circulation*, **2003**, 107, 896-904	16.7	240
261	Mechanisms of Vascular Aging. *Circulation Research*, **2018**, 123, 849-867	15.7	237
260	Aging-induced proinflammatory shift in cytokine expression profile in coronary arteries. *FASEB Journal*, **2003**, 17, 1183-5	0.9	229
259	Increased superoxide production in coronary arteries in hyperhomocysteinemia: role of tumor necrosis factor-alpha, NAD(P)H oxidase, and inducible nitric oxide synthase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 418-24	9.4	225
258	Resveratrol attenuates TNF-alpha-induced activation of coronary arterial endothelial cells: role of NF-kappaB inhibition. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H1694-9	5.2	216
257	SRT1720 improves survival and healthspan of obese mice. *Scientific Reports*, **2011**, 1, 70	4.9	215

256	Vasoprotective effects of resveratrol and SIRT1: attenuation of cigarette smoke-induced oxidative stress and proinflammatory phenotypic alterations. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2721-35	5.2	211
255	Regulation of bone morphogenetic protein-2 expression in endothelial cells: role of nuclear factor-kappaB activation by tumor necrosis factor-alpha, H2O2, and high intravascular pressure. *Circulation*, **2005**, 111, 2364-72	16.7	200
254	Anti-oxidative and anti-inflammatory vasoprotective effects of caloric restriction in aging: role of circulating factors and SIRT1. *Mechanisms of Ageing and Development*, **2009**, 130, 518-27	5.6	196
253	Obesity in aging exacerbates blood-brain barrier disruption, neuroinflammation, and oxidative stress in the mouse hippocampus: effects on expression of genes involved in beta-amyloid generation and Alzheimer© disease. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 1212-26	6.4	193
252	Impaired neurovascular coupling in aging and Alzheimer© disease: Contribution of astrocyte dysfunction and endothelial impairment to cognitive decline. *Experimental Gerontology*, **2017**, 94, 52-58	4.5	187
251	CB2-receptor stimulation attenuates TNF-alpha-induced human endothelial cell activation, transendothelial migration of monocytes, and monocyte-endothelial adhesion. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H2210-8	5.2	185
250	Mechanisms underlying caloric restriction and lifespan regulation: implications for vascular aging. *Circulation Research*, **2008**, 102, 519-28	15.7	182
249	Nrf2 mediates cancer protection but not prolongevity induced by caloric restriction. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2325-30	11.5	181
248	Resveratrol increases vascular oxidative stress resistance. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H2417-24	5.2	179
247	Vascular oxidative stress in aging: a homeostatic failure due to dysregulation of NRF2-mediated antioxidant response. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H363-72	5.2	178
246	High pressure induces superoxide production in isolated arteries via protein kinase C-dependent activation of NAD(P)H oxidase. *Circulation*, **2003**, 108, 1253-8	16.7	178
245	Resveratrol improves endothelial function: role of TNF{alpha} and vascular oxidative stress. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1164-71	9.4	175
244	Resveratrol prevents monocrotaline-induced pulmonary hypertension in rats. *Hypertension*, **2009**, 54, 668-75	8.5	165
243	Proinflammatory phenotype of coronary arteries promotes endothelial apoptosis in aging. *Physiological Genomics*, **2004**, 17, 21-30	3.6	164
242	Resveratrol prevents high fat/sucrose diet-induced central arterial wall inflammation and stiffening in nonhuman primates. *Cell Metabolism*, **2014**, 20, 183-90	24.6	163
241	Vasculoprotective effects of anti-tumor necrosis factor-alpha treatment in aging. *American Journal of Pathology*, **2007**, 170, 388-98	5.8	163
240	Role of oxidative-nitrosative stress and downstream pathways in various forms of cardiomyopathy and heart failure. *Current Vascular Pharmacology*, **2005**, 3, 221-9	3.3	163
239	Cigarette smoke-induced proinflammatory alterations in the endothelial phenotype: role of NAD(P)H oxidase activation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H130-9	5.2	162

238	Age-associated vascular oxidative stress, Nrf2 dysfunction, and NF-{kappa}B activation in the nonhuman primate Macaca mulatta. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 866-75	6.4	150
237	Age-related autoregulatory dysfunction and cerebromicrovascular injury in mice with angiotensin II-induced hypertension. *Journal of Cerebral Blood Flow and Metabolism*, **2013**, 33, 1732-42	7.3	145
236	Endothelial dysfunction and angiogenesis impairment in the ageing vasculature. *Nature Reviews Cardiology*, **2018**, 15, 555-565	14.8	144
235	Dysregulation of mitochondrial biogenesis in vascular endothelial and smooth muscle cells of aged rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2121-8	5.2	136
234	Bone morphogenetic protein-2 induces proinflammatory endothelial phenotype. *American Journal of Pathology*, **2006**, 168, 629-38	5.8	130
233	Oxidative stress and accelerated vascular aging: implications for cigarette smoking. *Frontiers in Bioscience - Landmark*, **2009**, 14, 3128-44	2.8	126
232	Endothelial function and vascular oxidative stress in long-lived GH/IGF-deficient Ames dwarf mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1882-94	5.2	126
231	Adaptive induction of NF-E2-related factor-2-driven antioxidant genes in endothelial cells in response to hyperglycemia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H1133-40	5.2	125
230	Resveratrol treatment rescues neurovascular coupling in aged mice: role of improved cerebromicrovascular endothelial function and downregulation of NADPH oxidase. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H299-308	5.2	124
229	Role of mitochondrial oxidative stress in hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H1417-27	5.2	124
228	Liver-specific knockdown of IGF-1 decreases vascular oxidative stress resistance by impairing the Nrf2-dependent antioxidant response: a novel model of vascular aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 313-29	6.4	121
227	Dysfunction of nitric oxide mediation in isolated rat arterioles with methionine diet-induced hyperhomocysteinemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 1899-904	9.4	115
226	Vascular dysfunction in aging: potential effects of resveratrol, an anti-inflammatory phytoestrogen. *Current Medicinal Chemistry*, **2006**, 13, 989-96	4.3	113
225	Nicotinamide mononucleotide (NMN) supplementation rescues cerebromicrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. *Redox Biology*, **2019**, 24, 101192	11.3	108
224	Age-associated proinflammatory secretory phenotype in vascular smooth muscle cells from the non-human primate Macaca mulatta: reversal by resveratrol treatment. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 811-20	6.4	108
223	Aging-induced dysregulation of dicer1-dependent microRNA expression impairs angiogenic capacity of rat cerebromicrovascular endothelial cells. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 877-91	6.4	106
222	Chronic high pressure-induced arterial oxidative stress: involvement of protein kinase C-dependent NAD(P)H oxidase and local renin-angiotensin system. *American Journal of Pathology*, **2004**, 165, 219-26	5.8	106
221	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, H292-306	5.2	104

220	Disruption of Nrf2 signaling impairs angiogenic capacity of endothelial cells: implications for microvascular aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012** , 67, 821-9	6.4	104
219	Aging exacerbates obesity-induced cerebromicrovascular rarefaction, neurovascular uncoupling, and cognitive decline in mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 1339-52	6.4	101
218	The emerging role of IGF-1 deficiency in cardiovascular aging: recent advances. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 599-610	6.4	98
217	Aging exacerbates obesity-induced oxidative stress and inflammation in perivascular adipose tissue in mice: a paracrine mechanism contributing to vascular redox dysregulation and inflammation. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 780-92	6.4	96
216	Vascular superoxide and hydrogen peroxide production and oxidative stress resistance in two closely related rodent species with disparate longevity. *Aging Cell*, **2007**, 6, 783-97	9.9	94
215	Resveratrol improves left ventricular diastolic relaxation in type 2 diabetes by inhibiting oxidative/nitrative stress: in vivo demonstration with magnetic resonance imaging. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H985-94	5.2	91
214	Role of oxidative and nitrosative stress, longevity genes and poly(ADP-ribose) polymerase in cardiovascular dysfunction associated with aging. *Current Vascular Pharmacology*, **2005**, 3, 285-91	3.3	91
213	IGF-1 deficiency impairs neurovascular coupling in mice: implications for cerebromicrovascular aging. *Aging Cell*, **2015**, 14, 1034-44	9.9	90
212	Decreased age-related cardiac dysfunction, myocardial nitrative stress, inflammatory gene expression, and apoptosis in mice lacking fatty acid amide hydrolase. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H909-18	5.2	90
211	Vascular aging in the longest-living rodent, the naked mole rat. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H919-27	5.2	88
210	IGF-1 has sexually dimorphic, pleiotropic, and time-dependent effects on healthspan, pathology, and lifespan. *GeroScience*, **2017**, 39, 129-145	8.9	86
209	Treatment with the mitochondrial-targeted antioxidant peptide SS-31 rescues neurovascular coupling responses and cerebrovascular endothelial function and improves cognition in aged mice. *Aging Cell*, **2018**, 17, e12731	9.9	85
208	Ionizing radiation promotes the acquisition of a senescence-associated secretory phenotype and impairs angiogenic capacity in cerebromicrovascular endothelial cells: role of increased DNA damage and decreased DNA repair capacity in microvascular radiosensitivity. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 1443-57	6.4	83
207	Mitochondrial protection by resveratrol. *Exercise and Sport Sciences Reviews*, **2011**, 39, 128-32	6.7	82
206	The Krebs cycle and mitochondrial mass are early victims of endothelial dysfunction: proteomic approach. *American Journal of Pathology*, **2009**, 174, 34-43	5.8	82
205	Aging exacerbates hypertension-induced cerebral microhemorrhages in mice: role of resveratrol treatment in vasoprotection. *Aging Cell*, **2015**, 14, 400-8	9.9	81
204	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 853-863	6.4	81
203	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. *GeroScience*, **2018**, 40, 513-521	8.9	80

202	Pharmacologically-induced neurovascular uncoupling is associated with cognitive impairment in mice. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 1871-81	7.3	79
201	Insulin-like growth factor-1 in CNS and cerebrovascular aging. *Frontiers in Aging Neuroscience*, **2013**, 5, 27	5.3	78
200	Fusogenic Liposomes Deliver Resveratrol to Brain Microcirculation and Improve Neurovascular Coupling in Aged Mice. *Innovation in Aging*, **2020**, 4, 120-120	0.1	78
199	Extreme longevity is associated with increased resistance to oxidative stress in Arctica islandica, the longest-living non-colonial animal. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 741-50	6.4	76
198	Resveratrol inhibits aggregation of platelets from high-risk cardiac patients with aspirin resistance. *Journal of Cardiovascular Pharmacology*, **2006**, 48, 1-5	3.1	75
197	Comparison of endothelial function, O2-* and H2O2 production, and vascular oxidative stress resistance between the longest-living rodent, the naked mole rat, and mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 291, H2698-704	5.2	70
196	Role of 20-HETE, TRPC channels, and BKCa in dysregulation of pressure-induced Ca2+ signaling and myogenic constriction of cerebral arteries in aged hypertensive mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H1698-708	5.2	68
195	Mitochondria and aging in the vascular system. *Journal of Molecular Medicine*, **2010**, 88, 1021-7	5.5	68
194	Oxidative stress in vascular senescence: lessons from successfully aging species. *Frontiers in Bioscience - Landmark*, **2008**, 13, 5056-70	2.8	68
193	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	8.9	64
192	IGF-1 deficiency impairs cerebral myogenic autoregulation in hypertensive mice. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 1887-97	7.3	64
191	Cerebral microhemorrhages: mechanisms, consequences, and prevention. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H1128-H1143	5.2	63
190	Vascular inflammation in aging. *Herz*, **2004**, 29, 733-40	2.6	61
189	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	10.8	59
188	Differential proinflammatory and prooxidant effects of bone morphogenetic protein-4 in coronary and pulmonary arterial endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H569-77	5.2	59
187	Different roles of PKC and MAP kinases in arteriolar constrictions to pressure and agonists. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H2282-7	5.2	59
186	Whole brain radiation-induced vascular cognitive impairment: mechanisms and implications. *Journal of Vascular Research*, **2013**, 50, 445-57	1.9	58
185	Diverse roles of growth hormone and insulin-like growth factor-1 in mammalian aging: progress and controversies. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 587-98	6.4	57

184	Inhibition of mTOR protects the blood-brain barrier in models of Alzheimer's disease and vascular cognitive impairment. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H693-H703	5.2	57
183	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	8.9	56
182	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	8.9	56
181	Cerebral Microvascular Accumulation of Tau Oligomers in Alzheimer's Disease and Related Tauopathies **2017**, 8, 257-266		55
180	Hypertension impairs neurovascular coupling and promotes microvascular injury: role in exacerbation of Alzheimer's disease. *GeroScience*, **2017**, 39, 359-372	8.9	55
179	Demonstration of impaired neurovascular coupling responses in TG2576 mouse model of Alzheimer's disease using functional laser speckle contrast imaging. *GeroScience*, **2017**, 39, 465-473	8.9	54
178	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, H1837-45	5.2	54
177	Xanthine oxidase-derived reactive oxygen species convert flow-induced arteriolar dilation to constriction in hyperhomocysteinemia: possible role of peroxynitrite. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 28-33	9.4	54
176	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	8.9	53
175	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	5.2	53
174	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		53
173	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	8.9	52
172	Mechanosensitive production of reactive oxygen species in endothelial and smooth muscle cells: role in microvascular remodeling?. *Antioxidants and Redox Signaling*, **2006**, 8, 1121-9	8.4	52
171	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	8.9	51
170	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, 303-13	6.4	51
169	Impaired nitric oxide-mediated flow-induced coronary dilation in hyperhomocysteinemia: morphological and functional evidence for increased peroxynitrite formation. *American Journal of Pathology*, **2002**, 161, 145-53	5.8	51
168	Endothelin and prostaglandin H(2)/thromboxane A(2) enhance myogenic constriction in hypertension by increasing Ca(2+) sensitivity of arteriolar smooth muscle. *Hypertension*, **2000**, 36, 856-61	8.5	51
167	Insulin-like growth factor 1 deficiency exacerbates hypertension-induced cerebral microhemorrhages in mice, mimicking the aging phenotype. *Aging Cell*, **2017**, 16, 469-479	9.9	50

166	Growth hormone and IGF-1 deficiency exacerbate high-fat diet-induced endothelial impairment in obese Lewis dwarf rats: implications for vascular aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 553-64	6.4	50
165	Gender and racial differences in endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. *Journal of Vascular Surgery*, **2015**, 61, 1249-57	3.5	49
164	Hemodynamic forces, vascular oxidative stress, and regulation of BMP-2/4 expression. *Antioxidants and Redox Signaling*, **2009**, 11, 1683-97	8.4	49
163	Increases in endothelial Ca(2+) activate K(Ca) channels and elicit EDHF-type arteriolar dilation via gap junctions. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 282, H1760-7	5.2	49
162	Mechanisms of Vascular Aging, A Geroscience Perspective: JACC Focus Seminar. *Journal of the American College of Cardiology*, **2020**, 75, 931-941	15.1	48
161	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	6.4	48
160	Role of endothelial NAD deficiency in age-related vascular dysfunction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H1253-H1266	5.2	47
159	Aging Exacerbates Pressure-Induced Mitochondrial Oxidative Stress in Mouse Cerebral Arteries. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 1355-9	6.4	47
158	Synergistic effects of hypertension and aging on cognitive function and hippocampal expression of genes involved in β-amyloid generation and Alzheimer's disease. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H1120-30	5.2	47
157	Circulating factors induced by caloric restriction in the nonhuman primate Macaca mulatta activate angiogenic processes in endothelial cells. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 235-49	6.4	47
156	Testing the oxidative stress hypothesis of aging in primate fibroblasts: is there a correlation between species longevity and cellular ROS production?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 841-52	6.4	46
155	Treatment with the cytochrome P450 ω-hydroxylase inhibitor HET0016 attenuates cerebrovascular inflammation, oxidative stress and improves vasomotor function in spontaneously hypertensive rats. *British Journal of Pharmacology*, **2013**, 168, 1878-88	8.6	46
154	Simultaneously increased TxA(2) activity in isolated arterioles and platelets of rats with hyperhomocysteinemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 1203-8	9.4	44
153	Longevity is associated with increased vascular resistance to high glucose-induced oxidative stress and inflammatory gene expression in Peromyscus leucopus. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H946-56	5.2	43
152	Pharmacological Strategies to Retard Cardiovascular Aging. *Circulation Research*, **2016**, 118, 1626-42	15.7	43
151	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	8.9	42
150	Testing hypotheses of aging in long-lived mice of the genus Peromyscus: association between longevity and mitochondrial stress resistance, ROS detoxification pathways, and DNA repair efficiency. *Age*, **2008**, 30, 121-33		42
149	Regulation of proliferation and gene expression in cultured human aortic smooth muscle cells by resveratrol and standardized grape extracts. *Biochemical and Biophysical Research Communications*, **2006**, 346, 367-76	3.4	42

148	Vasoprotective effects of life span-extending peripubertal GH replacement in Lewis dwarf rats. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 1145-56	6.4	40
147	Central IGF-1 protects against features of cognitive and sensorimotor decline with aging in male mice. *GeroScience*, **2019**, 41, 185-208	8.9	38
146	Nrf2 deficiency exacerbates age-related contractile dysfunction and loss of skeletal muscle mass. *Redox Biology*, **2018**, 17, 47-58	11.3	38
145	Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. *Aging*, **2016**, 8, 899-916	5.6	38
144	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	8.9	37
143	Role of endothelial [Ca2+]i in activation of eNOS in pressurized arterioles by agonists and wall shear stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H606-12	5.2	37
142	Aging impairs myogenic adaptation to pulsatile pressure in mouse cerebral arteries. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 527-30	7.3	36
141	Recent Developments in Understanding Brain Aging: Implications for Alzheimer© Disease and Vascular Cognitive Impairment. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2016**, 71, 13-20	6.4	36
140	Free radical production, antioxidant capacity, and oxidative stress response signatures in fibroblasts from Lewis dwarf rats: effects of life span-extending peripubertal GH treatment. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 501-10	6.4	36
139	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	8.9	35
138	Connective tissue growth factor (CTGF) in age-related vascular pathologies. *GeroScience*, **2017**, 39, 491-498	8.9	35
137	Pharmacologically induced impairment of neurovascular coupling responses alters gait coordination in mice. *GeroScience*, **2017**, 39, 601-614	8.9	35
136	Pharmacological or genetic depletion of senescent astrocytes prevents whole brain irradiation-induced impairment of neurovascular coupling responses protecting cognitive function in mice. *GeroScience*, **2020**, 42, 409-428	8.9	34
135	Short-term weight loss reverses obesity-induced microvascular endothelial dysfunction. *GeroScience*, **2018**, 40, 337	8.9	34
134	Impaired vascular endothelial growth factor A and inflammation in patients with peripheral artery disease. *Angiology*, **2014**, 65, 683-90	2.1	34
133	Age-related decline in peripheral vascular health predicts cognitive impairment. *GeroScience*, **2019**, 41, 125-136	8.9	33
132	Role of NAD(P)H oxidase in superoxide generation and endothelial dysfunction in Goto-Kakizaki (GK) rats as a model of nonobese NIDDM. *PLoS ONE*, **2010**, 5, e11800	3.7	33
131	Traumatic Brain Injury Impairs Myogenic Constriction of Cerebral Arteries: Role of Mitochondria-Derived HO and TRPV4-Dependent Activation of BK Channels. *Journal of Neurotrauma*, **2018**, 35, 930-939	5.4	33

130	Single-cell RNA sequencing identifies senescent cerebromicrovascular endothelial cells in the aged mouse brain. *GeroScience*, **2020**, 42, 429-444	8.9	32
129	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, 665-74	6.4	32
128	Flow-induced constriction in arterioles of hyperhomocysteinemic rats is due to impaired nitric oxide and enhanced thromboxane A(2) mediation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001** , 21, 233-7	9.4	32
127	Synergistic effects of vascular IL-17 and TNFalpha may promote coronary artery disease. *Medical Hypotheses*, **2004**, 63, 696-8	3.8	31
126	Assessment of age-related decline of neurovascular coupling responses by functional near-infrared spectroscopy (fNIRS) in humans. *GeroScience*, **2019**, 41, 495-509	8.9	29
125	Reduced mitochondrial ROS, enhanced antioxidant defense, and distinct age-related changes in oxidative damage in muscles of long-lived Peromyscus leucopus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R343-55	3.2	29
124	Hypertension-induced cognitive impairment: from pathophysiology to public health. *Nature Reviews Nephrology*, **2021**, 17, 639-654	14.9	29
123	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. *GeroScience*, **2019**, 41, 813-845	8.9	29
122	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice. *GeroScience*, **2019**, 41, 609-617	8.9	28
121	Aging exacerbates microvascular endothelial damage induced by circulating factors present in the serum of septic patients. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 652-60	6.4	28
120	Testing predictions of the oxidative stress hypothesis of aging using a novel invertebrate model of longevity: the giant clam (Tridacna derasa). *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 359-67	6.4	28
119	IGF-1 Regulates Vertebral Bone Aging Through Sex-Specific and Time-Dependent Mechanisms. *Journal of Bone and Mineral Research*, **2016**, 31, 443-54	6.3	27
118	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	5.2	26
117	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		26
116	Fusogenic liposomes effectively deliver resveratrol to the cerebral microcirculation and improve endothelium-dependent neurovascular coupling responses in aged mice. *GeroScience*, **2019**, 41, 711-725	8.9	26
115	Greater endothelial apoptosis and oxidative stress in patients with peripheral artery disease. *International Journal of Vascular Medicine*, **2014**, 2014, 160534	1.2	26
114	Altered mitochondrial energy metabolism may play a role in vascular aging. *Medical Hypotheses*, **2006**, 67, 904-8	3.8	26
113	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. *Journal of Neuroscience*, **2016**, 36, 3363-77	6.6	25

112	Companion animals likely do not spread COVID-19 but may get infected themselves. *GeroScience*, **2020**, 42, 1229-1236	8.9	25
111	Association between gait characteristics and endothelial oxidative stress and inflammation in patients with symptomatic peripheral artery disease. *Age*, **2016**, 38, 64		24
110	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	6.4	23
109	Resistance to genotoxic stresses in Arctica islandica, the longest living noncolonial animal: is extreme longevity associated with a multistress resistance phenotype?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 521-9	6.4	23
108	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice. *GeroScience*, **2019**, 41, 575-589	8.9	22
107	Selected contribution: NO released to flow reduces myogenic tone of skeletal muscle arterioles by decreasing smooth muscle Ca(2+) sensitivity. *Journal of Applied Physiology*, **2001**, 91, 522-7; discussion 504-5	3.7	21
106	Oxidative-nitrosative stress in a rabbit pup model of germinal matrix hemorrhage: role of NAD(P)H oxidase. *Stroke*, **2009**, 40, 2191-8	6.7	20
105	Retinal biomarkers for Alzheimer⊖ disease and vascular cognitive impairment and dementia (VCID): implication for early diagnosis and prognosis. *GeroScience*, **2020**, 42, 1499-1525	8.9	20
104	Simultaneous assessment of cognitive function, circadian rhythm, and spontaneous activity in aging mice. *GeroScience*, **2018**, 40, 123-137	8.9	20
103	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, H858-68	5.2	18
102	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	8.9	17
101	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,	6.3	17
100	Endothelial Cell Inflammation and Antioxidant Capacity are Associated With Exercise Performance and Microcirculation in Patients With Symptomatic Peripheral Artery Disease. *Angiology*, **2015**, 66, 867-74	2.1	16
99	Mediation of EDHF-Induced Reduction of Smooth Muscle [Ca2+]i and Arteriolar Dilation by K+ Channels, 5,6-EET, and Gap Junctions. *Microcirculation*, **2001**, 8, 265-274	2.9	16
98	Increases in hypertension-induced cerebral microhemorrhages exacerbate gait dysfunction in a mouse model of Alzheimer⊖ disease. *GeroScience*, **2020**, 42, 1685-1698	8.9	16
97	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	8.9	16
96	A heart that beats for 500 years: age-related changes in cardiac proteasome activity, oxidative protein damage and expression of heat shock proteins, inflammatory factors, and mitochondrial complexes in Arctica islandica, the longest-living noncolonial animal. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69, 1448-61	6.4	15
95	Obesity-induced cognitive impairment in older adults: a microvascular perspective. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H740-H761	5.2	15

94	Association between daily walking and antioxidant capacity in patients with symptomatic peripheral artery disease. *Journal of Vascular Surgery*, **2017**, 65, 1762-1768	3.5	13
93	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	5.4	12
92	Comparative gerontology--from mussels to man. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 295-7	6.4	12
91	Chemically induced carcinogenesis in rodent models of aging: assessing organismal resilience to genotoxic stressors in geroscience research. *GeroScience*, **2019**, 41, 209-227	8.9	11
90	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, 1353-62	6.4	11
89	Increased cognitive workload evokes greater neurovascular coupling responses in healthy young adults. *PLoS ONE*, **2021**, 16, e0250043	3.7	11
88	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	4.5	10
87	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	6.4	10
86	Biotin-conjugated fusogenic liposomes for high-quality cell purification. *Journal of Biomaterials Applications*, **2016**, 30, 846-56	2.9	9
85	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	5.6	9
84	CD82-TRPM7-Numb signaling mediates age-related cognitive impairment. *GeroScience*, **2020**, 42, 595-618	8.9	7
83	IGF1R signaling regulates astrocyte-mediated neurovascular coupling in mice: implications for brain aging. *GeroScience*, **2021**, 43, 901-911	8.9	7
82	Cardiovascular Disease and Aging **2016**, 121-160		6
81	Prostaglandin E 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	3.7	6
80	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	5.2	6
79	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	8.9	5
78	Traumatic brain injury-induced cerebral microbleeds in the elderly. *GeroScience*, **2021**, 43, 125-136	8.9	5
77	Treatment with the BCL-2/BCL-xL inhibitor senolytic drug ABT263/Navitoclax improves functional hyperemia in aged mice. *GeroScience*, **2021**, 43, 2427-2440	8.9	4

76	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	8.9	4
75	Sleep deprivation impairs cognitive performance, alters task-associated cerebral blood flow and decreases cortical neurovascular coupling-related hemodynamic responses. *Scientific Reports*, **2021**, 11, 20994	4.9	3
74	Persistent viral RNA shedding of SARS-CoV-2 is associated with delirium incidence and six-month mortality in hospitalized COVID-19 patients.. *GeroScience*, **2022**, 1	8.9	3
73	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	2.1	2
72	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	5.2	2
71	The aging venous system: from varicosities to vascular cognitive impairment. *GeroScience*, **2021**, 43, 2761-2784	8.9	2
70	Cellular Senescence in the Rostral Ventrolateral Medulla (RVLM) Novel Implications for Obesity-Induced Sympathoexcitation. *FASEB Journal*, **2019**, 33, 563.3	0.9	2
69	Oxidative Stress in Vascular Aging **2010**, 245-261		2
68	Vascular aging in the longest-living rodent, the naked mole-rat. *FASEB Journal*, **2007**, 21, A851	0.9	2
67	Comparative analysis of DNA repair pathways in mammals.. *FASEB Journal*, **2008**, 22, 1239.32	0.9	2
66	Early manifestation of gait alterations in the Tg2576 mouse model of Alzheimer disease. *GeroScience*, **2021**, 43, 1947-1957	8.9	2
65	Sleep deprivation alters task-related changes in functional connectivity of the frontal cortex: A near-infrared spectroscopy study. *Brain and Behavior*, **2021**, 11, e02135	3.4	2
64	Midlife Obesity Impairs Neurovascular Coupling Responses. *Obesity*, **2021**, 29, 17	8	2
63	Animal reservoirs of SARS-CoV-2: calculable COVID-19 risk for older adults from animal to human transmission. *GeroScience*, **2021**, 43, 2305-2320	8.9	2
62	Caloric Restriction and Cardiovascular Disease **2010**, 263-277		1
61	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**, 1	8.9	1
60	Old blood from heterochronic parabionts accelerates vascular aging in young mice: transcriptomic signature of pathologic smooth muscle remodeling.. *GeroScience*, **2022**, 1	8.9	1
59	Cerebral venous congestion exacerbates cerebral microhemorrhages in mice.. *GeroScience*, **2022**, 1	8.9	1

58	Inhibition of NAD(P)H Oxidase Attenuates Aggregation of Platelets from High-risk Cardiac Patients with Aspirin Resistance. *FASEB Journal*, **2007**, 21, A1126	0.9	1
57	IGF-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	0.9	1
56	Age-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	0.9	1
55	Resveratrol attenuates TNFalfa-induced activation of coronary arterial endothelial cells: role of NF-kB inhibition. *FASEB Journal*, **2007**, 21, A450	0.9	1
54	Resveratrol induces mitochondrial biogenesis in endothelial cells. *FASEB Journal*, **2010**, 24, 775.8	0.9	1
53	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	8.9	1
52	Whole brain irradiation in mice causes long-term impairment in astrocytic calcium signaling but preserves astrocyte-astrocyte coupling. *GeroScience*, **2021**, 43, 197-212	8.9	1
51	Effect of genetic depletion of MMP-9 on neurological manifestations of hypertension-induced intracerebral hemorrhages in aged mice. *GeroScience*, **2021**, 43, 2611-2619	8.9	1
50	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. *GeroScience*, **2021**, 1	8.9	0
49	Vascular inflammation in aging: role of increased mitochondrial H2O2 production in endothelial NF-kB activation. *FASEB Journal*, **2008**, 22, 731.13	0.9	0
48	NMN Rescues Endothelial Function and Neurovascular Coupling, Improving Cognitive Function in Aged Mice. *Innovation in Aging*, **2020**, 4, 121-121	0.1	0
47	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	2.6	0
46	Endothelial Dysfunction and Impaired Neurovascular Coupling Responses Precede Cognitive Impairment in a Mouse Model of Geriatric Sepsis. *Frontiers in Aging Neuroscience*, **2021**, 13, 644733	5.3	0
45	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	5.4	0
44	Comparison of clinical characteristics of patients with pandemic SARS-CoV-2-related and community-acquired pneumonias in Hungary - a pilot historical case-control study. *GeroScience*, **2021**, 43, 53-64	8.9	0
43	Cognitive decrement in older adults with symptomatic peripheral artery disease. *GeroScience*, **2021**, 43, 2455-2465	8.9	0
42	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	5.3	0
41	Vascular Aging and Free Radicals **2014**, 1365-1382		

40	Synergistic effects of vascular IL-17 and TNF$alpha; may promote coronary artery disease. *Medical Hypotheses*, **2004**, 63, 696-696	3.8
39	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	0.9
38	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	0.9
37	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	0.9
36	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.. *FASEB Journal*, **2020**, 34, 1-1	0.9
35	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	6
34	Cigarette smoke condensate induces vascular oxidative stress and inflammation. *FASEB Journal*, **2006**, 20, A726	0.9
33	Bone morphogenetic protein-2 and -4 increase monocyte adhesiveness to the endothelium via a ERK1/2-dependent pathway. *FASEB Journal*, **2006**, 20, A726	0.9
32	Comparison of endothelial function, O2.- and H2O2 production and vascular oxidative stress resistance between the longest-living rodent, the naked mole-rat and mice. *FASEB Journal*, **2007**, 21, A1237	0.9
31	Resveratrol Increases Vascular Oxidative Stress Resistance. *FASEB Journal*, **2007**, 21, A444	0.9
30	Down-regulation of BMP-4 Expression in Coronary Arterial Endothelial Cells: Role of Shear Stress and the cAMP/PKA Pathway. *FASEB Journal*, **2008**, 22, 1145.1	0.9
29	Free radical generation in germinal matrix hemorrhage. *FASEB Journal*, **2008**, 22, 732.10	0.9
28	Resveratrol Protects against Oxidative Stress-Induced Endothelial Dysfunction in Type II Diabetes. *FASEB Journal*, **2008**, 22, 42-42	0.9
27	Cerebral microhemorrhages impair gait coordination in mice. *FASEB Journal*, **2018**, 32, 578.9	0.9
26	Selective disruption of IGF-1 signaling in astrocytes impairs neurovascular coupling in mice: implications for cerebromicrovascular aging. *FASEB Journal*, **2018**, 32, 711.10	0.9
25	Pharmacologically-induced impairment of neurovascular coupling responses alters gait coordination in mice. *FASEB Journal*, **2018**, 32, 711.9	0.9
24	Age-related Peripheral Vascular Dysfunction Predicts Cognitive Decline in Healthy Individuals. *FASEB Journal*, **2019**, 33, 685.11	0.9
23	Interaction of obesity and Nrf2 deficiency exacerbates vascular aging: potential role of endothelial senescence. *FASEB Journal*, **2019**, 33, 518.9	0.9

22	Endothelium-specific disruption of IGF-1 signaling impairs blood flow regulation in mice. *FASEB Journal*, **2019**, 33, 684.13	0.9
21	Age-related neurovascular coupling impairment is associated with cognitive decline in healthy individuals. *FASEB Journal*, **2019**, 33, 685.15	0.9
20	Nrf2 deficiency in aged mice exacerbates cellular senescence promoting cerebrovascular inflammation. *FASEB Journal*, **2019**, 33, 518.8	0.9
19	Treatment of aged mice with the mitochondria targeted antioxidative peptide SS-31 protects against hypertension-induced cerebral microhemorrhages. *FASEB Journal*, **2019**, 33, 518.6	0.9
18	Overexpression of catalase targeted to mitochondria improves neurovascular coupling responses in aged mice.. *FASEB Journal*, **2020**, 34, 1-1	0.9
17	Cerebral venous congestion promotes blood-brain barrier disruption and neuroinflammation, impairing cognitive function in mice.. *FASEB Journal*, **2020**, 34, 1-1	0.9
16	Resveratrol Treatment Rescues Neurovascular Coupling in Aged Mice: Role of Improved Cerebromicrovascular Endothelial Function and Down-Regulation of NADPH Oxidase. *FASEB Journal*, **2015**, 29, 787.6	0.9
15	Differential Pro-inflammatory/Pro-oxidant Effects of BMP-4 in Coronary and Pulmonary Arterial Endothelial Cells. *FASEB Journal*, **2009**, 23, 594.14	0.9
14	Longevity is associated with increased vascular resistance to metabolic stress in P. leucopus. *FASEB Journal*, **2009**, 23, 595.2	0.9
13	Oxidative Stress and Endothelial Dysfunction in Pulmonary Arteries of Aged Rats. *FASEB Journal*, **2010**, 24, 775.4	0.9
12	Vasoprotective effects of caloric restriction in aging. *FASEB Journal*, **2010**, 24, 775.7	0.9
11	Resveratrol attenuates mitochondrial oxidative stress in coronary arterial endothelial cells. *FASEB Journal*, **2010**, 24, 775.5	0.9
10	Disruption of Nrf2 signaling impairs angiogenic capacity of endothelial cells: implications for microvascular aging. *FASEB Journal*, **2012**, 26, 682.10	0.9
9	In hypertension CYP450A metabolite 20-HETE exacerbates flow-induced arteriolar constriction and promotes cerebrovascular inflammation. *FASEB Journal*, **2012**, 26, 853.24	0.9
8	Aging exacerbates microvascular endothelial damage induced by inflammatory factors present in the circulation during sepsis. *FASEB Journal*, **2012**, 26, 1058.11	0.9
7	Bone marrow cells are necessary for cerebral microvascular recovery following whole brain radiation therapy in mice. *FASEB Journal*, **2012**, 26, 682.6	0.9
6	High fat diet-induced obesity promotes cerebrovascular autoregulatory dysfunction in aged mice. *FASEB Journal*, **2012**, 26, 685.30	0.9
5	Free Radicals in Aging An Evolutionary Perspective **2014**, 137-151	

4	The Effect of Mild Traumatic Brain Injury on Cerebral Microbleeds in Aging. *Frontiers in Aging Neuroscience*, **2021**, 13, 717391	5.3
3	Demonstration Of Age-Related Increase In Blood-Brain Barrier Permeability By Longitudinal Intravital Microscopy. *Innovation in Aging*, **2021**, 5, 663-663	0.1
2	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	8.9
1	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, 6110226	6.7