

# Douglas R Seals

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3540739/publications.pdf>

Version: 2024-02-01

235  
papers

15,673  
citations

12303

69  
h-index

17546

121  
g-index

236  
all docs

236  
docs citations

236  
times ranked

13901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifelong physical activity attenuates age- and Western-style diet-related declines in physical function and adverse changes in skeletal muscle mass and inflammation. <i>Experimental Gerontology</i> , 2022, 157, 111632.	1.2	4
2	Senolysis induced by 25-hydroxycholesterol targets CRYAB in multiple cell types. <i>IScience</i> , 2022, 25, 103848.	1.9	17
3	To grant you an edge. Part 3. Considerations for writing competitive research career development proposals in the biomedical sciences. <i>Journal of Applied Physiology</i> , 2022, 132, 1518-1524.	1.2	12
4	To grant you an edge: Part 1. General strategies for writing competitive biomedical research proposals. <i>Journal of Applied Physiology</i> , 2022, 132, 1489-1505.	1.2	12
5	To grant you an edge: Part 2. Tactical tips for addressing specific aspects of biomedical research proposals. <i>Journal of Applied Physiology</i> , 2022, 132, 1506-1517.	1.2	12
6	Translational Potential of High-Resistance Inspiratory Muscle Strength Training. <i>Exercise and Sport Sciences Reviews</i> , 2022, 50, 107-117.	1.6	6
7	Associations Between Age and Resting State Connectivity Are Partially Dependent Upon Cardiovascular Fitness. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 858405.	1.7	1
8	Cellular Senescence and the Associated Secretome Contribute to Age-Related Vascular Dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.2	3
9	Nicotinamide Riboside Supplementation for Treating Elevated Systolic Blood Pressure and Arterial Stiffness in Midlife and Older Adults. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	9
10	Repetitive Element Transcripts are Associated with Inflammation in Older Adults. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
11	Consumption of a High-Fiber Diet Improves Systolic Blood Pressure and Vascular Endothelial Function and May Reduce Oxidative Stress in Middle-aged to Older Adults. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
12	Changes in Gut Microbiome Composition with Healthy Aging in Humans: Links to Vascular Endothelial Function. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
13	Objectively Measured Vigorous-Intensity Physical Activity is Related to Endothelial Function in Midlife and Older Men but not in Estrogen-Deficient Postmenopausal Women. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
14	Direct advice for directing an academic biomedical research laboratory. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 323, R204-R220.	0.9	9
15	Late-life voluntary wheel running reverses age-related aortic stiffness in mice: a translational model for studying mechanisms of exercise-mediated arterial de-stiffening. <i>GeroScience</i> , 2021, 43, 423-432.	2.1	16
16	Dietary Nitrate and Nitric Oxide Metabolism: Mouth, Circulation, Skeletal Muscle, and Exercise Performance. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 280-294.	0.2	58
17	Healthy Aging Interventions Reduce Repetitive Element Transcripts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 805-810.	1.7	10
18	Lifelong voluntary aerobic exercise prevents age- and Western diet-induced vascular dysfunction, mitochondrial oxidative stress and inflammation in mice. <i>Journal of Physiology</i> , 2021, 599, 911-925.	1.3	46

#	ARTICLE	IF	CITATIONS
19	The gut microbiome-derived metabolite trimethylamine N-oxide modulates neuroinflammation and cognitive function with aging. <i>GeroScience</i> , 2021, 43, 377-394.	2.1	85
20	Inorganic Nitrite Supplementation Improves Endothelial Function With Aging. <i>Hypertension</i> , 2021, 77, 1212-1222.	1.3	23
21	Tumor Necrosis Factor Alpha-Mediated Inflammation and Remodeling of the Extracellular Matrix Underlies Aortic Stiffening Induced by the Common Chemotherapeutic Agent Doxorubicin. <i>Hypertension</i> , 2021, 77, 1581-1590.	1.3	20
22	Mitochondrial contributions to vascular endothelial dysfunction, arterial stiffness, and cardiovascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2080-H2100.	1.5	52
23	Anthracycline chemotherapy-mediated vascular dysfunction as a model of accelerated vascular aging. <i>Aging and Cancer</i> , 2021, 2, 45-69.	0.5	14
24	Apigenin restores endothelial function by ameliorating oxidative stress, reverses aortic stiffening, and mitigates vascular inflammation with aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H185-H196.	1.5	41
25	Time-efficient Inspiratory Muscle Strength Training Lowers Blood Pressure and Improves Endothelial Function, NO Bioavailability, and Oxidative Stress in Midlife/Older Adults With Above-normal Blood Pressure. <i>Journal of the American Heart Association</i> , 2021, 10, e020980.	1.6	49
26	Gut Microbiome-Derived Metabolite Trimethylamine N-Oxide Induces Aortic Stiffening and Increases Systolic Blood Pressure With Aging in Mice and Humans. <i>Hypertension</i> , 2021, 78, 499-511.	1.3	47
27	The academic biomedical research laboratory as a "small business". <i>Journal of Applied Physiology</i> , 2021, 131, 729-742.	1.2	19
28	A (Baker's) Dozen Tips for Enhancing Early-Stage Academic Career Development in Biomedical Research. <i>Journal of Applied Physiology</i> , 2021, 131, 1505-1515.	1.2	17
29	Accelerated aging of the brain transcriptome by the common chemotherapeutic doxorubicin. <i>Experimental Gerontology</i> , 2021, 152, 111451.	1.2	9
30	Time-efficient, high-resistance inspiratory muscle strength training for cardiovascular aging. <i>Experimental Gerontology</i> , 2021, 154, 111515.	1.2	11
31	Musings on Mentoring: Teach Your "Children" Well. <i>Journal of Applied Physiology</i> , 2021, , .	1.2	14
32	Six Months of Inspiratory Muscle Training to Lower Blood Pressure and Improve Endothelial Function in Middle-Aged and Older Adults With Above-Normal Blood Pressure and Obstructive Sleep Apnea: Protocol for the CHART Clinical Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 760203.	1.1	6
33	Short-term interleukin-37 treatment improves vascular endothelial function, endurance exercise capacity, and whole-body glucose metabolism in old mice. <i>Aging Cell</i> , 2020, 19, e13074.	3.0	37
34	Doxorubicin-Induced Oxidative Stress and Endothelial Dysfunction in Conduit Arteries Is Prevented by Mitochondrial-Specific Antioxidant Treatment. <i>JACC: CardioOncology</i> , 2020, 2, 475-488.	1.7	33
35	Vascular Endothelial Function in Midlife/Older Adults Classified According to 2017 American College of Cardiology/American Heart Association Blood Pressure Guidelines. <i>Journal of the American Heart Association</i> , 2020, 9, e016625.	1.6	11
36	Trimethylamine-N-Oxide Promotes Age-Related Vascular Oxidative Stress and Endothelial Dysfunction in Mice and Healthy Humans. <i>Hypertension</i> , 2020, 76, 101-112.	1.3	134

#	ARTICLE	IF	CITATIONS
37	Effects of resveratrol or estradiol on postexercise endothelial function in estrogen-deficient postmenopausal women. <i>Journal of Applied Physiology</i> , 2020, 128, 739-747.	1.2	19
38	Short-term time-restricted feeding is safe and feasible in non-obese healthy midlife and older adults. <i>GeroScience</i> , 2020, 42, 667-686.	2.1	91
39	Targeting mitochondrial fitness as a strategy for healthy vascular aging. <i>Clinical Science</i> , 2020, 134, 1491-1519.	1.8	31
40	The commonly used anthracycline chemotherapy drug Doxorubicin impairs vascular endothelial function via stimulation of mitochondrial superoxide. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
41	Dietary Sodium Restriction Decreases Urinary Ngal in Older Adults with Moderately Elevated Systolic Blood Pressure Free from Chronic Kidney Disease. <i>Journal of Investigative Medicine</i> , 2020, 68, 1271-1275.	0.7	2
42	Impact of Red Beetroot Juice on Vascular Endothelial Function and Cardiometabolic Responses to a High-Fat Meal in Middle-Aged/Older Adults with Overweight and Obesity: A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial. <i>Current Developments in Nutrition</i> , 2019, 3, nzz113.	0.1	13
43	The plasma metabolome as a predictor of biological aging in humans. <i>GeroScience</i> , 2019, 41, 895-906.	2.1	59
44	Time-efficient physical training for enhancing cardiovascular function in midlife and older adults: promise and current research gaps. <i>Journal of Applied Physiology</i> , 2019, 127, 1427-1440.	1.2	36
45	Suppression of the gut microbiome ameliorates age-related arterial dysfunction and oxidative stress in mice. <i>Journal of Physiology</i> , 2019, 597, 2361-2378.	1.3	106
46	The protective role of regular aerobic exercise on vascular function with aging. <i>Current Opinion in Physiology</i> , 2019, 10, 55-63.	0.9	9
47	Aerobic exercise training and vascular function with ageing in healthy men and women. <i>Journal of Physiology</i> , 2019, 597, 4901-4914.	1.3	127
48	Apocynin and Tempol ameliorate dietary sodium-induced declines in cutaneous microvascular function in salt-resistant humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H97-H103.	1.5	27
49	The historical context and scientific legacy of John O. Holloszy. <i>Journal of Applied Physiology</i> , 2019, 127, 277-305.	1.2	9
50	Primary Prevention of Age- and Western Diet-Associated Vascular Endothelial Dysfunction by Voluntary Aerobic Exercise in Mice: Role of Mitochondrial Oxidative Stress. <i>FASEB Journal</i> , 2019, 33, 696.20.	0.2	1
51	Transfer of Young Gut Microbiota Ameliorates Age- and Western-Style Diet-Related Vascular Endothelial Dysfunction in Mice. <i>FASEB Journal</i> , 2019, 33, 828.16.	0.2	0
52	Curcumin supplementation and motor-cognitive function in healthy middle-aged and older adults. <i>Nutrition and Healthy Aging</i> , 2018, 4, 323-333.	0.5	21
53	Chronic Supplementation With a Mitochondrial Antioxidant (MitoQ) Improves Vascular Function in Healthy Older Adults. <i>Hypertension</i> , 2018, 71, 1056-1063.	1.3	280
54	Strategies for Achieving Healthy Vascular Aging. <i>Hypertension</i> , 2018, 71, 389-402.	1.3	106

#	ARTICLE	IF	CITATIONS
55	Chronic Nicotinamide riboside supplementation is well-tolerated and elevates NAD <sup>+</sup> in healthy middle-aged and older adults. <i>Nature Communications</i> , 2018, 9, 1286.	5.8	406
56	Mitochondria-targeted antioxidant therapy with MitoQ ameliorates aortic stiffening in old mice. <i>Journal of Applied Physiology</i> , 2018, 124, 1194-1202.	1.2	86
57	Habitual aerobic exercise and circulating proteomic patterns in healthy adults: relation to indicators of healthspan. <i>Journal of Applied Physiology</i> , 2018, 125, 1646-1659.	1.2	19
58	Healthy lifestyle-based approaches for successful vascular aging. <i>Journal of Applied Physiology</i> , 2018, 125, 1888-1900.	1.2	58
59	Keynote lecture: strategies for optimal cardiovascular aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H183-H188.	1.5	43
60	Interleukin-37 treatment of mice with metabolic syndrome improves insulin sensitivity and reduces pro-inflammatory cytokine production in adipose tissue. <i>Journal of Biological Chemistry</i> , 2018, 293, 14224-14236.	1.6	42
61	Amino acid and lipid associated plasma metabolomic patterns are related to healthspan indicators with ageing. <i>Clinical Science</i> , 2018, 132, 1765-1777.	1.8	26
62	Mitochondrial-targeted Antioxidant (MitoQ) Improves Vascular Function in Healthy Late Middle-aged and Older Adults. <i>FASEB Journal</i> , 2018, 32, 845.8.	0.2	1
63	Suppression of the Gut Microbiome-derived Metabolite Trimethylamine N-oxide Prevents Western Diet-induced Arterial Dysfunction. <i>FASEB Journal</i> , 2018, 32, .	0.2	0
64	Reductions in central arterial compliance with age are related to sympathetic vasoconstrictor nerve activity in healthy men. <i>Hypertension Research</i> , 2017, 40, 493-495.	1.5	24
65	Habitual aerobic exercise does not protect against micro- or macrovascular endothelial dysfunction in healthy estrogen-deficient postmenopausal women. <i>Journal of Applied Physiology</i> , 2017, 122, 11-19.	1.2	51
66	Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2313-2318.	3.3	87
67	Trehalose supplementation reduces hepatic endoplasmic reticulum stress and inflammatory signaling in old mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 15-23.	1.9	45
68	Endothelial cell senescence with aging in healthy humans: prevention by habitual exercise and relation to vascular endothelial function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H890-H895.	1.5	160
69	Cholecalciferol, Calcitriol, and Vascular Function in CKD: A Randomized, Double-Blind Trial. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 1438-1446.	2.2	38
70	A viewpoint on considering physiological principles to study stress resistance and resilience with aging. <i>Ageing Research Reviews</i> , 2017, 38, 1-5.	5.0	32
71	Dietary rapamycin supplementation reverses age-related vascular dysfunction and oxidative stress, while modulating nutrient-sensing, cell cycle, and senescence pathways. <i>Ageing Cell</i> , 2017, 16, 17-26.	3.0	123
72	Nutrition and other lifestyle influences on arterial aging. <i>Ageing Research Reviews</i> , 2017, 39, 106-119.	5.0	68

#	ARTICLE	IF	CITATIONS
73	Curcumin supplementation improves vascular endothelial function in healthy middle-aged and older adults by increasing nitric oxide bioavailability and reducing oxidative stress. <i>Aging</i> , 2017, 9, 187-208.	1.4	150
74	Adding value to a graduate physiology seminar by focusing on public communication skills. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2016, 40, 365-369.	0.8	3
75	Practical alternatives to chronic caloric restriction for optimizing vascular function with ageing. <i>Journal of Physiology</i> , 2016, 594, 7177-7195.	1.3	50
76	Nicotinamide mononucleotide supplementation reverses vascular dysfunction and oxidative stress with aging in mice. <i>Aging Cell</i> , 2016, 15, 522-530.	3.0	280
77	Physiological geroscience: targeting function to increase healthspan and achieve optimal longevity. <i>Journal of Physiology</i> , 2016, 594, 2001-2024.	1.3	206
78	Comparative Approaches to Understanding the Relation Between Aging and Physical Function. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1243-1253.	1.7	60
79	Effects of sodium nitrite supplementation on vascular function and related small metabolite signatures in middle-aged and older adults. <i>Journal of Applied Physiology</i> , 2016, 120, 416-425.	1.2	58
80	Oral trehalose supplementation improves resistance artery endothelial function in healthy middle-aged and older adults. <i>Aging</i> , 2016, 8, 1167-1183.	1.4	64
81	Voluntary aerobic exercise increases arterial resilience and mitochondrial health with aging in mice. <i>Aging</i> , 2016, 8, 2897-2914.	1.4	41
82	Reduced large elastic artery stiffness with regular aerobic exercise in middle-aged and older adults. <i>Journal of Hypertension</i> , 2015, 33, 2477-2482.	0.3	36
83	Sodium nitrite supplementation improves motor function and skeletal muscle inflammatory profile in old male mice. <i>Journal of Applied Physiology</i> , 2015, 118, 163-169.	1.2	23
84	Oral nitrite therapy improves vascular function in diabetic mice. <i>Diabetes and Vascular Disease Research</i> , 2015, 12, 221-224.	0.9	12
85	Effect of Dietary Sodium Restriction on Human Urinary Metabolomic Profiles. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 1227-1234.	2.2	18
86	Improved motor and cognitive performance with sodium nitrite supplementation is related to small metabolite signatures: a pilot trial in middle-aged and older adults. <i>Aging</i> , 2015, 7, 1004-1021.	1.4	35
87	Translational Geroscience: Emphasizing function to achieve optimal longevity. <i>Aging</i> , 2014, 6, 718-730.	1.4	65
88	Edward F. Adolph Distinguished Lecture: The remarkable anti-aging effects of aerobic exercise on systemic arteries. <i>Journal of Applied Physiology</i> , 2014, 117, 425-439.	1.2	93
89	Aerobic exercise and other healthy lifestyle factors that influence vascular aging. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2014, 38, 296-307.	0.8	100
90	Prevention of age-related endothelial dysfunction by habitual aerobic exercise in healthy humans: possible role of nuclear factor $\kappa$ B. <i>Clinical Science</i> , 2014, 127, 645-654.	1.8	64

#	ARTICLE	IF	CITATIONS
91	Vascular endothelial function and oxidative stress are related to dietary niacin intake among healthy middle-aged and older adults. <i>Journal of Applied Physiology</i> , 2014, 116, 156-163.	1.2	33
92	Superoxide signaling in perivascular adipose tissue promotes age-related artery stiffness. <i>Aging Cell</i> , 2014, 13, 576-578.	3.0	71
93	Mitochondria-targeted antioxidant (MitoQ) ameliorates age-related arterial endothelial dysfunction in mice. <i>Journal of Physiology</i> , 2014, 592, 2549-2561.	1.3	185
94	The SIRT1 activator SRT1720 reverses vascular endothelial dysfunction, excessive superoxide production, and inflammation with aging in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1754-H1763.	1.5	144
95	You're Only as Old as Your Arteries: Translational Strategies for Preserving Vascular Endothelial Function with Aging. <i>Physiology</i> , 2014, 29, 250-264.	1.6	113
96	Inorganic nitrite supplementation for healthy arterial aging. <i>Journal of Applied Physiology</i> , 2014, 116, 463-477.	1.2	57
97	Mitochondrial quality control and age-associated arterial stiffening. <i>Experimental Gerontology</i> , 2014, 58, 78-82.	1.2	55
98	Assessment of Vascular Function in Patients With Chronic Kidney Disease. <i>Journal of Visualized Experiments</i> , 2014, . .	0.2	16
99	The autophagy enhancer spermidine reverses arterial aging. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 314-320.	2.2	164
100	Essential Role of Estrogen for Improvements in Vascular Endothelial Function With Endurance Exercise in Postmenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4507-4515.	1.8	141
101	Dietary Sodium Restriction Reverses Vascular Endothelial Dysfunction in Middle-Aged/Older Adults With Moderately Elevated Systolic Blood Pressure. <i>Journal of the American College of Cardiology</i> , 2013, 61, 335-343.	1.2	126
102	Curcumin ameliorates arterial dysfunction and oxidative stress with aging. <i>Experimental Gerontology</i> , 2013, 48, 269-276.	1.2	116
103	Aging compounds western diet-associated large artery endothelial dysfunction in mice: Prevention by voluntary aerobic exercise. <i>Experimental Gerontology</i> , 2013, 48, 1218-1225.	1.2	42
104	Life-long caloric restriction reduces oxidative stress and preserves nitric oxide bioavailability and function in arteries of old mice. <i>Aging Cell</i> , 2013, 12, 772-783.	3.0	146
105	Activation of the Unfolded Protein Response in Vascular Endothelial Cells of Nondiabetic Obese Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1505-E1509.	1.8	28
106	Regular aerobic exercise protects against impaired fasting plasma glucose-associated vascular endothelial dysfunction with aging. <i>Clinical Science</i> , 2013, 124, 325-331.	1.8	42
107	Translational physiology: from molecules to public health. <i>Journal of Physiology</i> , 2013, 591, 3457-3469.	1.3	28
108	Voluntary Aerobic Exercise Destiffens Arteries of Old Mice Via Inhibition of NADPH Oxidase and Superoxide-Dependent Oxidative Stress. <i>FASEB Journal</i> , 2013, 27, .	0.2	0

#	ARTICLE	IF	CITATIONS
109	Angiotensin II receptor signaling modulates vascular smooth muscle sensitivity to nitric oxide in an adiposity-specific manner in healthy adults. <i>FASEB Journal</i> , 2013, 27, 1165.22.	0.2	0
110	Perivascular adipose tissue contributes to large elastic artery stiffness with aging and is associated with greater superoxide bioavailability. <i>FASEB Journal</i> , 2013, 27, 1194.4.	0.2	0
111	Dietary rapamycin selectively improves arterial function in old mice. <i>FASEB Journal</i> , 2013, 27, 1194.17.	0.2	2
112	Circulating plasma factors contribute to age-associated arterial stiffness. <i>FASEB Journal</i> , 2013, 27, 1b666.	0.2	0
113	Mitochondria-targeted antioxidant therapy with MitoQ ameliorates age-related vascular endothelial dysfunction. <i>FASEB Journal</i> , 2013, 27, 1125.10.	0.2	1
114	Age-related cerebrovascular endothelial dysfunction is associated with cognitive impairment in C57BL/6 mice. <i>FASEB Journal</i> , 2013, 27, 709.2.	0.2	0
115	Activation of the unfolded protein response in vascular endothelial cells of non-diabetic obese middle-aged and older adults. <i>FASEB Journal</i> , 2013, 27, 929.2.	0.2	0
116	Vascular smooth muscle responsiveness to nitric oxide is reduced in healthy adults with increased adiposity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H743-H750.	1.5	18
117	Superoxide-lowering therapy with TEMPOL reverses arterial dysfunction with aging in mice. <i>Aging Cell</i> , 2012, 11, 269-276.	3.0	111
118	Sodium nitrite de-stiffening of large elastic arteries with aging: Role of normalization of advanced glycation end-products. <i>Experimental Gerontology</i> , 2012, 47, 588-594.	1.2	71
119	Sustained activation of AMPK ameliorates age-associated vascular endothelial dysfunction via a nitric oxide-independent mechanism. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 368-371.	2.2	51
120	Translational evidence that impaired autophagy contributes to arterial ageing. <i>Journal of Physiology</i> , 2012, 590, 3305-3316.	1.3	193
121	Higher Dietary Niacin Intake is Related to Greater Vascular Endothelial Function Associated with Lower Oxidative Stress Among Healthy Middle-Aged and Older Adults. <i>FASEB Journal</i> , 2012, 26, 865.7.	0.2	0
122	Reduced large elastic artery stiffness in older exercising adults is associated with suppressed nuclear factor kappa B signaling. <i>FASEB Journal</i> , 2012, 26, 1138.10.	0.2	0
123	SIRT1 Activation with SRT1720 Reverses Impaired Endothelium-Dependent Dilatation in Old Mice by Augmenting COX-2 Mediated Vasodilation. <i>FASEB Journal</i> , 2012, 26, 1b661.	0.2	0
124	Advanced Glycation End-Products in Age-Related Arterial Stiffening: Modulation by Sodium Nitrite. <i>FASEB Journal</i> , 2012, 26, 1b655.	0.2	0
125	Polyamine supplementation reduces oxidative stress and reverses vascular endothelial dysfunction with aging. <i>FASEB Journal</i> , 2012, 26, 865.4.	0.2	0
126	Sodium nitrite treatment restores vascular endothelial function in old mice with CKD. <i>FASEB Journal</i> , 2012, 26, 865.17.	0.2	0

#	ARTICLE	IF	CITATIONS
127	Endothelium-dependent dilation is inversely related to hematocrit among healthy young and older adults. <i>FASEB Journal</i> , 2012, 26, 865.13.	0.2	0
128	Polyamine supplementation enhances autophagy and reverses age-related arterial stiffening. <i>FASEB Journal</i> , 2012, 26, 865.9.	0.2	0
129	Perivascular adipose tissue in age-associated arterial stiffening: Role of transforming growth factor beta 1. <i>FASEB Journal</i> , 2012, 26, 866.8.	0.2	0
130	Impaired fasting blood glucose-related exacerbation of age-associated vascular endothelial dysfunction: protective effect of regular aerobic exercise. <i>FASEB Journal</i> , 2012, 26, 865.2.	0.2	0
131	Role of superoxide in cerebrovascular endothelial dysfunction with aging. <i>FASEB Journal</i> , 2012, 26, lb652.	0.2	0
132	Mitochondria-targeted antioxidant therapy reverses age-related arterial stiffening. <i>FASEB Journal</i> , 2012, 26, lb641.	0.2	0
133	Enhanced tetrahydrobiopterin contributes to sodium restriction-induced improvements in large elastic artery compliance in older adults with elevated systolic blood pressure. <i>FASEB Journal</i> , 2012, 26, 1131.11.	0.2	1
134	Sex-specific effects of habitual aerobic exercise on brachial artery flow-mediated dilation in middle-aged and older adults. <i>Clinical Science</i> , 2011, 120, 13-23.	1.8	160
135	Nitrite supplementation reverses vascular endothelial dysfunction and large elastic artery stiffness with aging. <i>Aging Cell</i> , 2011, 10, 429-437.	3.0	180
136	Habitually exercising older men do not demonstrate age-associated vascular endothelial oxidative stress. <i>Aging Cell</i> , 2011, 10, 1032-1037.	3.0	104
137	Salicylate Treatment Improves Age-Associated Vascular Endothelial Dysfunction: Potential Role of Nuclear Factor $\kappa$ B and Forkhead Box O Phosphorylation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 409-418.	1.7	59
138	Aging and vascular endothelial function in humans. <i>Clinical Science</i> , 2011, 120, 357-375.	1.8	531
139	Aerobic exercise reverses arterial inflammation with aging in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1025-H1032.	1.5	103
140	Autophagy-enhancing therapy reduces oxidative stress and restores vascular endothelial function in old mice. <i>FASEB Journal</i> , 2011, 25, lb452.	0.2	0
141	Voluntary running and caloric restriction reverse cerebrovascular endothelial dysfunction in old mice by restoring nitric oxide bioavailability. <i>FASEB Journal</i> , 2011, 25, 1108.16.	0.2	0
142	Autophagy-enhancing treatment reverses age-associated large elastic artery stiffening and modulates arterial superoxide production, inflammation and collagen I. <i>FASEB Journal</i> , 2011, 25, .	0.2	0
143	Treatment with the SIRT1 activator SRT1720 reduces large elastic artery stiffness, superoxide production and inflammation in old mice. <i>FASEB Journal</i> , 2011, 25, lb485.	0.2	1
144	Vascular Endothelial Dysfunction with Age is Related to Increased Sympathetic Nervous System Activity in Women, but Not Men. <i>FASEB Journal</i> , 2011, 25, lb444.	0.2	0

#	ARTICLE	IF	CITATIONS
145	Curcumin improves large elastic artery stiffness and reverses superoxide suppression of nitric oxide-mediated vascular endothelial function in old mice. <i>FASEB Journal</i> , 2011, 25, lb453.	0.2	0
146	Arterial stiffening with ageing is associated with transforming growth factor- $\beta$ 1-related changes in adventitial collagen: reversal by aerobic exercise. <i>Journal of Physiology</i> , 2010, 588, 3971-3982.	1.3	169
147	Protein Expression in Vascular Endothelial Cells Obtained from Human Peripheral Arteries and Veins. <i>Journal of Vascular Research</i> , 2010, 47, 1-8.	0.6	33
148	Nitrite supplementation reverses vascular endothelial dysfunction in old mice via improved nitric oxide bioavailability. <i>FASEB Journal</i> , 2010, 24, 1039.6.	0.2	0
149	MicroRNA expression with ageing in human aortic endothelial cells. <i>FASEB Journal</i> , 2010, 24, 626.7.	0.2	0
150	Human arterial endothelial cells develop a mesenchymal phenotype with aging. <i>FASEB Journal</i> , 2010, 24, 784.2.	0.2	0
151	Age-related impairment in endothelium-dependent dilation is related to diminished sirT deacetylase expression and increased eNOS acetylation. <i>FASEB Journal</i> , 2010, 24, 1039.2.	0.2	1
152	Short-term AMPK activation improves vascular endothelial function in old mice by a different mechanism than habitual aerobic exercise. <i>FASEB Journal</i> , 2010, 24, 619.9.	0.2	0
153	Replicative senescence may be a suitable model for assessing in vivo endothelial cell oxidative stress and inflammation with aging in humans. <i>FASEB Journal</i> , 2010, 24, 598.5.	0.2	0
154	25-Hydroxyvitamin D deficiency is associated with vascular endothelial dysfunction in middle-aged and older adults. <i>FASEB Journal</i> , 2010, 24, 1039.7.	0.2	0
155	Life-long caloric restriction confers pronounced AMPK-dependent cardioprotection. <i>FASEB Journal</i> , 2010, 24, .	0.2	0
156	Habitual aerobic exercise reverses age-associated increases in transforming growth factor beta 1 in carotid arteries of mice. <i>FASEB Journal</i> , 2010, 24, 790.6.	0.2	0
157	Low dietary sodium intake is associated with enhanced vascular endothelial function in middle-aged and older adults with elevated systolic blood pressure. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2009, 3, 347-356.	1.0	44
158	B6D2F1 Mice Are a Suitable Model of Oxidative Stress-Mediated Impaired Endothelium-Dependent Dilation With Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 9-20.	1.7	71
159	Nuclear Factor- $\kappa$ B Activation Contributes to Vascular Endothelial Dysfunction via Oxidative Stress in Overweight/Obese Middle-Aged and Older Humans. <i>Circulation</i> , 2009, 119, 1284-1292.	1.6	220
160	Voluntary wheel running restores endothelial function in conduit arteries of old mice: direct evidence for reduced oxidative stress, increased superoxide dismutase activity and down-regulation of NADPH oxidase. <i>Journal of Physiology</i> , 2009, 587, 3271-3285.	1.3	196
161	Habitual exercise and vascular ageing. <i>Journal of Physiology</i> , 2009, 587, 5541-5549.	1.3	137
162	Chronic aerobic exercise opposes age- and high fat diet-associated vascular endothelial dysfunction: relation to IKK $\beta$ and AMPK. <i>FASEB Journal</i> , 2009, 23, 777.7.	0.2	0

#	ARTICLE	IF	CITATIONS
163	Aging and Vascular Endothelial Dysfunction. FASEB Journal, 2009, 23, 414.2.	0.2	0
164	Voluntary aerobic exercise abolishes age-associated arterial stiffening in mice: relation to collagen subtype expression in the medial and adventitial layers. FASEB Journal, 2009, 23, 774.13.	0.2	0
165	Reduction in mononuclear cell mRNA expression of pro-inflammatory and pro-oxidant genes with habitual aerobic exercise in older humans. FASEB Journal, 2009, 23, 776.8.	0.2	0
166	Aortic microRNA expression is altered with aging in mice. FASEB Journal, 2009, 23, 776.1.	0.2	0
167	Sedentary Aging is Associated with a Senescent Endothelial Cell Phenotype that is Ameliorated by Habitual Aerobic Exercise. FASEB Journal, 2009, 23, 965.15.	0.2	0
168	Extracellular Superoxide Dismutase Activity is Reduced with Aging in Humans: Relation to Impaired Vascular Endothelial Function and Exercise Capacity. FASEB Journal, 2009, 23, 777.8.	0.2	0
169	Short-term Caloric Restriction Improves Glucose Tolerance in Older Mice Independent of Changes in SIRT1. FASEB Journal, 2009, 23, 990.33.	0.2	0
170	Absence of Inhibitor of Nuclear Factor $\kappa$ B Kinase-Mediated Suppression of Vascular Endothelial Function in Middle-Aged/Older Adults Who Exercise. FASEB Journal, 2009, 23, LB61.	0.2	0
171	Aging increases susceptibility to western diet-induced glucose intolerance and insulin resistance in mice. FASEB Journal, 2009, 23, 990.18.	0.2	0
172	Voluntary wheel running abolishes vascular inflammation and restores endothelial function in old mice. FASEB Journal, 2009, 23, 777.6.	0.2	0
173	Low dietary sodium intake is associated with enhanced vascular endothelial function in older adults with elevated baseline systolic blood pressure. FASEB Journal, 2009, 23, 1017.5.	0.2	0
174	Aging is associated with greater nuclear NF $\kappa$ B, reduced I $\kappa$ B $\pm$ , and increased expression of proinflammatory cytokines in vascular endothelial cells of healthy humans. Aging Cell, 2008, 7, 805-812.	3.0	213
175	Habitual exercise and arterial aging. Journal of Applied Physiology, 2008, 105, 1323-1332.	1.2	300
176	Weight Loss Alone Improves Conduit and Resistance Artery Endothelial Function in Young and Older Overweight/Obese Adults. Hypertension, 2008, 52, 72-79.	1.3	147
177	Vascular Endothelial Dysfunction with Aging in Healthy Adults is Related to Total White Blood Cell Count and Selective Immune Cell Populations. FASEB Journal, 2008, 22, 967.13.	0.2	0
178	Nuclear factor $\kappa$ B-associated inflammation mediates impaired vascular endothelial function in non-diabetic middle-aged and older overweight/obese men. FASEB Journal, 2008, 22, 743.2.	0.2	0
179	Vascular endothelial function is selectively, positively related to leg/hip fatness in healthy postmenopausal women. FASEB Journal, 2008, 22, 1211.7.	0.2	0
180	Increased Cytochrome P450 2C9 signaling does not contribute to vascular endothelial dysfunction in healthy older adults. FASEB Journal, 2008, 22, 967.1.	0.2	0

#	ARTICLE	IF	CITATIONS
181	Anti-inflammatory treatment restores endothelium-dependent dilation in older mice by increasing nitric oxide bioavailability. <i>FASEB Journal</i> , 2008, 22, 967.5.	0.2	0
182	Aging is Associated with Increased Susceptibility to Western Diet-induced Glucose Intolerance and Endothelial Dysfunction in Mice. <i>FASEB Journal</i> , 2008, 22, 1226.7.	0.2	0
183	Inflammatory Circulating Mononuclear Cell Phenotype in Healthy Older Adults with Low-Grade Systemic Inflammation and Endothelial Dysfunction. <i>FASEB Journal</i> , 2008, 22, 1155.4.	0.2	0
184	Weight Loss-associated Improvements in Vascular Endothelial Function in Overweight/Obese Humans are Related to Reductions in Abdominal Visceral Fat. <i>FASEB Journal</i> , 2008, 22, 743.1.	0.2	0
185	Age-related Vascular Endothelial Dysfunction is Associated with Altered Regulation of Nuclear Factor $\kappa$ B and Increased Pro-inflammatory Cytokines in Humans. <i>FASEB Journal</i> , 2008, 22, 964.12.	0.2	0
186	Prediabetes in the absence of the metabolic syndrome is associated with impaired brachial artery flow-mediated dilation. <i>FASEB Journal</i> , 2008, 22, 1211.8.	0.2	0
187	B6D2F1 mouse model to study the effects of habitual aerobic exercise on vascular endothelial dysfunction with aging. <i>FASEB Journal</i> , 2008, 22, 1235.11.	0.2	0
188	Tetrahydrobiopterin-mediated nitric oxide bioavailability contributes to the variability in vascular endothelial function in healthy middle-aged/older sedentary adults. <i>FASEB Journal</i> , 2008, 22, 52-52.	0.2	0
189	Peroxisome proliferator-activated receptor $\delta$ activation improves endothelium-dependent dilation in healthy older men. <i>FASEB Journal</i> , 2008, 22, 64-64.	0.2	8
190	Higher Blood Pressure Variability is Associated with Impaired Vascular Endothelial Function in Healthy Middle-aged/Older Normotensive Adults. <i>FASEB Journal</i> , 2008, 22, 53-53.	0.2	0
191	Direct Evidence of Endothelial Oxidative Stress With Aging in Humans. <i>Circulation Research</i> , 2007, 100, 1659-1666.	2.0	490
192	High-dose ascorbic acid infusion abolishes chronic vasoconstriction and restores resting leg blood flow in healthy older men. <i>Journal of Applied Physiology</i> , 2007, 103, 1715-1721.	1.2	76
193	Impaired flow-mediated dilation with age is not explained by L-arginine bioavailability or endothelial asymmetric dimethylarginine protein expression. <i>Journal of Applied Physiology</i> , 2007, 102, 63-71.	1.2	97
194	Reduced Endothelium-dependent Dilation with Aging in Humans is Associated with Endothelial Oxidative Stress and Enhanced Expression of NADPH Oxidase. <i>FASEB Journal</i> , 2007, 21, A1372.	0.2	0
195	Oxidative stress contributes to the age related decline in basal leg blood flow in sedentary men. <i>FASEB Journal</i> , 2007, 21, A1238.	0.2	0
196	Age-associated Reductions in Endothelium-dependent Dilation in Humans are Related to Increases in Vascular Endothelial Protein Expression of Endothelin-1. <i>FASEB Journal</i> , 2007, 21, A1237.	0.2	0
197	Enhanced vascular endothelium-dependent dilation in older men who exercise is associated with markedly lower endothelial oxidative stress. <i>FASEB Journal</i> , 2007, 21, A932.	0.2	0
198	Reduced Endothelium-dependent Dilation with Aging in Humans is Associated with Increased Abdominal Visceral Fat. <i>FASEB Journal</i> , 2007, 21, A1373.	0.2	0

#	ARTICLE	IF	CITATIONS
199	Plasma low-density lipoprotein cholesterol modulates vascular endothelial function as well as systemic and vascular endothelial oxidative stress in middle-aged and older men. <i>FASEB Journal</i> , 2007, 21, A445.	0.2	0
200	Xanthine oxidase does not contribute to impaired peripheral conduit artery endothelium-dependent dilatation with ageing. <i>Journal of Physiology</i> , 2006, 571, 661-668.	1.3	81
201	Modulatory influences on ageing of the vasculature in healthy humans. <i>Experimental Gerontology</i> , 2006, 41, 501-507.	1.2	71
202	Age-related impaired endothelium-dependent dilation is associated with increased vascular endothelial cell protein expression of NF- $\kappa$ B in humans. <i>FASEB Journal</i> , 2006, 20, A721.	0.2	0
203	Adiposity and Vascular Endothelial Expression of Pro- and Anti-oxidant Proteins in Humans. <i>FASEB Journal</i> , 2006, 20, A1181.	0.2	0
204	Xanthine oxidase does not contribute to oxidative stress-mediated impairment in endothelium-dependent dilation with age. <i>FASEB Journal</i> , 2006, 20, A1179.	0.2	0
205	Oxidative stress contributes to the reduced basal limb blood flow in estrogen-deficient postmenopausal women. <i>FASEB Journal</i> , 2006, 20, LB14.	0.2	0
206	Tetrahydrobiopterin augments endothelium-dependent dilatation in sedentary but not in habitually exercising older adults. <i>Journal of Physiology</i> , 2005, 568, 1057-1065.	1.3	154
207	Ascorbic Acid Selectively Improves Large Elastic Artery Compliance in Postmenopausal Women. <i>Hypertension</i> , 2005, 45, 1107-1112.	1.3	81
208	Ascorbic acid increases cardiovagal baroreflex sensitivity in healthy older men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H2113-H2117.	1.5	65
209	Ascorbic acid does not affect large elastic artery compliance or central blood pressure in young and older men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1528-H1534.	1.5	66
210	Chronic Sympathetic Activation: Consequence and Cause of Age-Associated Obesity?. <i>Diabetes</i> , 2004, 53, 276-284.	0.3	140
211	Collateral damage: cardiovascular consequences of chronic sympathetic activation with human aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1895-H1905.	1.5	113
212	Effect of acute and chronic ascorbic acid on flow-mediated dilatation with sedentary and physically active human ageing. <i>Journal of Physiology</i> , 2004, 556, 315-324.	1.3	282
213	Regular exercise, hormone replacement therapy and the age-related decline in carotid arterial compliance in healthy women. <i>Cardiovascular Research</i> , 2003, 57, 861-868.	1.8	172
214	Age-associated changes in cardiovagal baroreflex sensitivity are related to central arterial compliance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H284-H289.	1.5	188
215	Direct evidence for tonic sympathetic support of resting metabolic rate in healthy adult humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E740-E744.	1.8	73
216	Robin Hood for the lungs? A respiratory metaboreflex that "steals" blood flow from locomotor muscles. <i>Journal of Physiology</i> , 2001, 537, 2-2.	1.3	8

#	ARTICLE	IF	CITATIONS
217	Regular endurance exercise induces expansive arterial remodelling in the trained limbs of healthy men. <i>Journal of Physiology</i> , 2001, 534, 287-295.	1.3	200
218	Reductions in basal limb blood flow and vascular conductance with human ageing: role for augmented $\beta$ -adrenergic vasoconstriction. <i>Journal of Physiology</i> , 2001, 536, 977-983.	1.3	133
219	Age-related decreases in basal limb blood flow in humans: time course, determinants and habitual exercise effects. <i>Journal of Physiology</i> , 2001, 531, 573-579.	1.3	98
220	Regular aerobic exercise modulates age-associated declines in cardiovagal baroreflex sensitivity in healthy men. <i>Journal of Physiology</i> , 2000, 529, 263-271.	1.3	148
221	Human ageing and the sympathoadrenal system. <i>Journal of Physiology</i> , 2000, 528, 407-417.	1.3	325
222	Age-associated arterial wall thickening is related to elevations in sympathetic activity in healthy humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1205-H1210.	1.5	142
223	Regular Aerobic Exercise Prevents and Restores Age-Related Declines in Endothelium-Dependent Vasodilation in Healthy Men. <i>Circulation</i> , 2000, 102, 1351-1357.	1.6	760
224	Aging, Habitual Exercise, and Dynamic Arterial Compliance. <i>Circulation</i> , 2000, 102, 1270-1275.	1.6	933
225	Limb Blood Flow and Vascular Conductance Are Reduced With Age in Healthy Humans. <i>Circulation</i> , 1999, 100, 164-170.	1.6	269
226	Cardiopulmonary baroreflex inhibition of sympathetic nerve activity is preserved with age in healthy humans. <i>Journal of Physiology</i> , 1999, 515, 249-254.	1.3	48
227	Physical Activity Status and Adverse Age-Related Differences in Coagulation and Fibrinolytic Factors in Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 362-368.	1.1	89
228	Absence of Age-Related Increase in Central Arterial Stiffness in Physically Active Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 127-132.	1.1	419
229	Augmented Cardiopulmonary and Integrative Sympathetic Baroreflexes but Attenuated Peripheral Vasoconstriction With Age. <i>Hypertension</i> , 1998, 32, 298-304.	1.3	164
230	Elevated Heart Rate Variability in Physically Active Young and Older Adult Women. <i>Clinical Science</i> , 1998, 94, 579-584.	1.8	100
231	Smaller differences in total and regional adiposity with age in women who regularly perform endurance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E626-E634.	1.8	30
232	Age-related declines in maximal aerobic capacity in regularly exercising vs. sedentary women: a meta-analysis. <i>Journal of Applied Physiology</i> , 1997, 83, 160-165.	1.2	246
233	Greater rate of decline in maximal aerobic capacity with age in physically active vs. sedentary healthy women. <i>Journal of Applied Physiology</i> , 1997, 83, 1947-1953.	1.2	166
234	Effects of Aging on the Responsiveness of the Human Cardiac Sympathetic Nerves to Stressors. <i>Circulation</i> , 1995, 91, 351-358.	1.6	151

#	ARTICLE	IF	CITATIONS
235	Circulating interleukin-37 declines with aging in healthy humans: relations to healthspan indicators and IL37 gene SNPs. GeroScience, 0, , .	2.1	5