

Douglas R Seals

List of Publications by Year in descending order

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Version: 2024-02-01

235
papers

15,673
citations

12330

69
h-index

17592

121
g-index

236
all docs

236
docs citations

236
times ranked

13901
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging, Habitual Exercise, and Dynamic Arterial Compliance. <i>Circulation</i> , 2000, 102, 1270-1275.	1.6	933
2	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
3	Aging and vascular endothelial function in humans. <i>Clinical Science</i> , 2011, 120, 357-375.	4.3	531
4	Direct Evidence of Endothelial Oxidative Stress With Aging in Humans. <i>Circulation Research</i> , 2007, 100, 1659-1666.	4.5	490
5	Absence of Age-Related Increase in Central Arterial Stiffness in Physically Active Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 127-132.	2.4	419
6	Chronic Nicotinamide riboside supplementation is well-tolerated and elevates NAD ⁺ in healthy middle-aged and older adults. <i>Nature Communications</i> , 2018, 9, 1286.	12.8	406
7	Human ageing and the sympathoadrenal system. <i>Journal of Physiology</i> , 2000, 528, 407-417.	2.9	325
8	Habitual exercise and arterial aging. <i>Journal of Applied Physiology</i> , 2008, 105, 1323-1332.	2.5	300
9	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.	2.9	282
10	Nicotinamide mononucleotide supplementation reverses vascular dysfunction and oxidative stress with aging in mice. <i>Aging Cell</i> , 2016, 15, 522-530.	6.7	280
11	Chronic Supplementation With a Mitochondrial Antioxidant (MitoQ) Improves Vascular Function in Healthy Older Adults. <i>Hypertension</i> , 2018, 71, 1056-1063.	2.7	280
12	Limb Blood Flow and Vascular Conductance Are Reduced With Age in Healthy Humans. <i>Circulation</i> , 1999, 100, 164-170.	1.6	269
13	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.	2.5	246
14	Nuclear Factor- κ 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
15	Aging is associated with greater nuclear NF κ B, reduced iNOS, and increased expression of proinflammatory cytokines in vascular endothelial cells of healthy humans. <i>Aging Cell</i> , 2008, 7, 805-812.	6.7	213
16	Physiological geroscience: targeting function to increase healthspan and achieve optimal longevity. <i>Journal of Physiology</i> , 2016, 594, 2001-2024.	2.9	206
17	Regular endurance exercise induces expansive arterial remodelling in the trained limbs of healthy men. <i>Journal of Physiology</i> , 2001, 534, 287-295.	2.9	200
18	Voluntary wheel running restores endothelial function in conduit arteries of old mice: direct evidence for reduced oxidative stress, increased superoxide dismutase activity and downregulation of NADPH oxidase. <i>Journal of Physiology</i> , 2009, 587, 3271-3285.	2.9	196

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19	Translational evidence that impaired autophagy contributes to arterial ageing. <i>Journal of Physiology</i> , 2012, 590, 3305-3316.	2.9	193
20	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.	3.2	188
21	Mitochondria-targeted antioxidant (MitoQ) ameliorates age-related arterial endothelial dysfunction in mice. <i>Journal of Physiology</i> , 2014, 592, 2549-2561.	2.9	185
22	Nitrite supplementation reverses vascular endothelial dysfunction and large elastic artery stiffness with aging. <i>Aging Cell</i> , 2011, 10, 429-437.	6.7	180
23	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.	3.8	172
24	Arterial stiffening with ageing is associated with transforming growth factor- β 1-related changes in adventitial collagen: reversal by aerobic exercise. <i>Journal of Physiology</i> , 2010, 588, 3971-3982.	2.9	169
25	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.	2.5	166
26	Augmented Cardiopulmonary and Integrative Sympathetic Baroreflexes but Attenuated Peripheral Vasoconstriction With Age. <i>Hypertension</i> , 1998, 32, 298-304.	2.7	164
27	The autophagy enhancer spermidine reverses arterial aging. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 314-320.	4.6	164
28	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.	4.3	160
29	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.	3.2	160
30	Tetrahydrobiopterin augments endothelium-dependent dilatation in sedentary but not in habitually exercising older adults. <i>Journal of Physiology</i> , 2005, 568, 1057-1065.	2.9	154
31	Effects of Aging on the Responsiveness of the Human Cardiac Sympathetic Nerves to Stressors. <i>Circulation</i> , 1995, 91, 351-358.	1.6	151
32	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.	3.1	150
33	Regular aerobic exercise modulates age-associated declines in cardiovagal baroreflex sensitivity in healthy men. <i>Journal of Physiology</i> , 2000, 529, 263-271.	2.9	148
34	Weight Loss Alone Improves Conduit and Resistance Artery Endothelial Function in Young and Older Overweight/Obese Adults. <i>Hypertension</i> , 2008, 52, 72-79.	2.7	147
35	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.	6.7	146
36	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.	3.2	144

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37	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.	3.2	142
38	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.	3.6	141
39	Chronic Sympathetic Activation: Consequence and Cause of Age-Associated Obesity?. <i>Diabetes</i> , 2004, 53, 276-284.	0.6	140
40	Habitual exercise and vascular ageing. <i>Journal of Physiology</i> , 2009, 587, 5541-5549.	2.9	137
41	Trimethylamine-N-Oxide Promotes Age-Related Vascular Oxidative Stress and Endothelial Dysfunction in Mice and Healthy Humans. <i>Hypertension</i> , 2020, 76, 101-112.	2.7	134
42	Reductions in basal limb blood flow and vascular conductance with human ageing: role for augmented α -adrenergic vasoconstriction. <i>Journal of Physiology</i> , 2001, 536, 977-983.	2.9	133
43	Aerobic exercise training and vascular function with ageing in healthy men and women. <i>Journal of Physiology</i> , 2019, 597, 4901-4914.	2.9	127
44	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.	2.8	126
45	Dietary rapamycin supplementation reverses age-related vascular dysfunction and oxidative stress, while modulating nutrient-sensing, cell cycle, and senescence pathways. <i>Aging Cell</i> , 2017, 16, 17-26.	6.7	123
46	Curcumin ameliorates arterial dysfunction and oxidative stress with aging. <i>Experimental Gerontology</i> , 2013, 48, 269-276.	2.8	116
47	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.	3.2	113
48	You're Only as Old as Your Arteries: Translational Strategies for Preserving Vascular Endothelial Function with Aging. <i>Physiology</i> , 2014, 29, 250-264.	3.1	113
49	Superoxide-lowering therapy with TEMPOL reverses arterial dysfunction with aging in mice. <i>Aging Cell</i> , 2012, 11, 269-276.	6.7	111
50	Strategies for Achieving Healthy Vascular Aging. <i>Hypertension</i> , 2018, 71, 389-402.	2.7	106
51	Suppression of the gut microbiome ameliorates age-related arterial dysfunction and oxidative stress in mice. <i>Journal of Physiology</i> , 2019, 597, 2361-2378.	2.9	106
52	Habitually exercising older men do not demonstrate age-associated vascular endothelial oxidative stress. <i>Aging Cell</i> , 2011, 10, 1032-1037.	6.7	104
53	Aerobic exercise reverses arterial inflammation with aging in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1025-H1032.	3.2	103
54	Elevated Heart Rate Variability in Physically Active Young and Older Adult Women. <i>Clinical Science</i> , 1998, 94, 579-584.	4.3	100

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55	Aerobic exercise and other healthy lifestyle factors that influence vascular aging. American Journal of Physiology - Advances in Physiology Education, 2014, 38, 296-307.	1.6	100
56	Age-related decreases in basal limb blood flow in humans: time course, determinants and habitual exercise effects. Journal of Physiology, 2001, 531, 573-579.	2.9	98
57	Impaired flow-mediated dilation with age is not explained by L-arginine bioavailability or endothelial asymmetric dimethylarginine protein expression. Journal of Applied Physiology, 2007, 102, 63-71.	2.5	97
58	Edward F. Adolph Distinguished Lecture: The remarkable anti-aging effects of aerobic exercise on systemic arteries. Journal of Applied Physiology, 2014, 117, 425-439.	2.5	93
59	Short-term time-restricted feeding is safe and feasible in non-obese healthy midlife and older adults. GeroScience, 2020, 42, 667-686.	4.6	91
60	Physical Activity Status and Adverse Age-Related Differences in Coagulation and Fibrinolytic Factors in Women. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 362-368.	2.4	89
61	Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2313-2318.	7.1	87
62	Mitochondria-targeted antioxidant therapy with MitoQ ameliorates aortic stiffening in old mice. Journal of Applied Physiology, 2018, 124, 1194-1202.	2.5	86
63	The gut microbiome-derived metabolite trimethylamine N-oxide modulates neuroinflammation and cognitive function with aging. GeroScience, 2021, 43, 377-394.	4.6	85
64	Ascorbic Acid Selectively Improves Large Elastic Artery Compliance in Postmenopausal Women. Hypertension, 2005, 45, 1107-1112.	2.7	81
65	Xanthine oxidase does not contribute to impaired peripheral conduit artery endothelium-dependent dilatation with ageing. Journal of Physiology, 2006, 571, 661-668.	2.9	81
66	High-dose ascorbic acid infusion abolishes chronic vasoconstriction and restores resting leg blood flow in healthy older men. Journal of Applied Physiology, 2007, 103, 1715-1721.	2.5	76
67	Direct evidence for tonic sympathetic support of resting metabolic rate in healthy adult humans. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E740-E744.	3.5	73
68	Modulatory influences on ageing of the vasculature in healthy humans. Experimental Gerontology, 2006, 41, 501-507.	2.8	71
69	B6D2F1 Mice Are a Suitable Model of Oxidative Stress-Mediated Impaired Endothelium-Dependent Dilation With Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 9-20.	3.6	71
70	Sodium nitrite de-stiffening of large elastic arteries with aging: Role of normalization of advanced glycation end-products. Experimental Gerontology, 2012, 47, 588-594.	2.8	71
71	Superoxide signaling in perivascular adipose tissue promotes age-related artery stiffness. Aging Cell, 2014, 13, 576-578.	6.7	71
72	Nutrition and other lifestyle influences on arterial aging. Ageing Research Reviews, 2017, 39, 106-119.	10.9	68

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73	Ascorbic acid does not affect large elastic artery compliance or central blood pressure in young and older men. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1528-H1534.	3.2	66
74	Ascorbic acid increases cardiovagal baroreflex sensitivity in healthy older men. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2113-H2117.	3.2	65
75	Translational Geroscience: Emphasizing function to achieve optimal longevity. Aging, 2014, 6, 718-730.	3.1	65
76	Prevention of age-related endothelial dysfunction by habitual aerobic exercise in healthy humans: possible role of nuclear factor κ B. Clinical Science, 2014, 127, 645-654.	4.3	64
77	Oral trehalose supplementation improves resistance artery endothelial function in healthy middle-aged and older adults. Aging, 2016, 8, 1167-1183.	3.1	64
78	Comparative Approaches to Understanding the Relation Between Aging and Physical Function. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1243-1253.	3.6	60
79	Salicylate Treatment Improves Age-Associated Vascular Endothelial Dysfunction: Potential Role of Nuclear Factor κ B and Forkhead Box O Phosphorylation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 409-418.	3.6	59
80	The plasma metabolome as a predictor of biological aging in humans. GeroScience, 2019, 41, 895-906.	4.6	59
81	Effects of sodium nitrite supplementation on vascular function and related small metabolite signatures in middle-aged and older adults. Journal of Applied Physiology, 2016, 120, 416-425.	2.5	58
82	Healthy lifestyle-based approaches for successful vascular aging. Journal of Applied Physiology, 2018, 125, 1888-1900.	2.5	58
83	Dietary Nitrate and Nitric Oxide Metabolism: Mouth, Circulation, Skeletal Muscle, and Exercise Performance. Medicine and Science in Sports and Exercise, 2021, 53, 280-294.	0.4	58
84	Inorganic nitrite supplementation for healthy arterial aging. Journal of Applied Physiology, 2014, 116, 463-477.	2.5	57
85	Mitochondrial quality control and age-associated arterial stiffening. Experimental Gerontology, 2014, 58, 78-82.	2.8	55
86	Mitochondrial contributions to vascular endothelial dysfunction, arterial stiffness, and cardiovascular diseases. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2080-H2100.	3.2	52
87	Sustained activation of AMPK ameliorates age-associated vascular endothelial dysfunction via a nitric oxide-independent mechanism. Mechanisms of Ageing and Development, 2012, 133, 368-371.	4.6	51
88	Habitual aerobic exercise does not protect against micro- or macrovascular endothelial dysfunction in healthy estrogen-deficient postmenopausal women. Journal of Applied Physiology, 2017, 122, 11-19.	2.5	51
89	Practical alternatives to chronic caloric restriction for optimizing vascular function with ageing. Journal of Physiology, 2016, 594, 7177-7195.	2.9	50
90	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. Journal of the American Heart Association, 2021, 10, e020980.	3.7	49

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91	Cardiopulmonary baroreflex inhibition of sympathetic nerve activity is preserved with age in healthy humans. <i>Journal of Physiology</i> , 1999, 515, 249-254.	2.9	48
92	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.	2.7	47
93	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.	2.9	46
94	Trehalose supplementation reduces hepatic endoplasmic reticulum stress and inflammatory signaling in old mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 15-23.	4.2	45
95	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.	2.1	44
96	Keynote lecture: strategies for optimal cardiovascular aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H183-H188.	3.2	43
97	Aging compounds western diet-associated large artery endothelial dysfunction in mice: Prevention by voluntary aerobic exercise. <i>Experimental Gerontology</i> , 2013, 48, 1218-1225.	2.8	42
98	Regular aerobic exercise protects against impaired fasting plasma glucose-associated vascular endothelial dysfunction with aging. <i>Clinical Science</i> , 2013, 124, 325-331.	4.3	42
99	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.	3.4	42
100	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.	3.2	41
101	Voluntary aerobic exercise increases arterial resilience and mitochondrial health with aging in mice. <i>Aging</i> , 2016, 8, 2897-2914.	3.1	41
102	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.	4.5	38
103	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.	6.7	37
104	Reduced large elastic artery stiffness with regular aerobic exercise in middle-aged and older adults. <i>Journal of Hypertension</i> , 2015, 33, 2477-2482.	0.5	36
105	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.	2.5	36
106	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.	3.1	35
107	Protein Expression in Vascular Endothelial Cells Obtained from Human Peripheral Arteries and Veins. <i>Journal of Vascular Research</i> , 2010, 47, 1-8.	1.4	33
108	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.	2.5	33

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109	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.	4.0	33
110	A viewpoint on considering physiological principles to study stress resistance and resilience with aging. <i>Ageing Research Reviews</i> , 2017, 38, 1-5.	10.9	32
111	Targeting mitochondrial fitness as a strategy for healthy vascular aging. <i>Clinical Science</i> , 2020, 134, 1491-1519.	4.3	31
112	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.	3.5	30
113	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.	3.6	28
114	Translational physiology: from molecules to public health. <i>Journal of Physiology</i> , 2013, 591, 3457-3469.	2.9	28
115	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.	3.2	27
116	Amino acid and lipid associated plasma metabolomic patterns are related to healthspan indicators with ageing. <i>Clinical Science</i> , 2018, 132, 1765-1777.	4.3	26
117	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.	2.7	24
118	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.	2.5	23
119	Inorganic Nitrite Supplementation Improves Endothelial Function With Aging. <i>Hypertension</i> , 2021, 77, 1212-1222.	2.7	23
120	Curcumin supplementation and motor-cognitive function in healthy middle-aged and older adults. <i>Nutrition and Healthy Aging</i> , 2018, 4, 323-333.	1.1	21
121	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.	2.7	20
122	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.	2.5	19
123	Effects of resveratrol or estradiol on postexercise endothelial function in estrogen-deficient postmenopausal women. <i>Journal of Applied Physiology</i> , 2020, 128, 739-747.	2.5	19
124	The academic biomedical research laboratory as a "small business". <i>Journal of Applied Physiology</i> , 2021, 131, 729-742.	2.5	19
125	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.	3.2	18
126	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.	4.5	18

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127	A (Baker's) Dozen Tips for Enhancing Early-Stage Academic Career Development in Biomedical Research. Journal of Applied Physiology, 2021, 131, 1505-1515.	2.5	17
128	Senolysis induced by 25-hydroxycholesterol targets CRYAB in multiple cell types. IScience, 2022, 25, 103848.	4.1	17
129	Assessment of Vascular Function in Patients With Chronic Kidney Disease. Journal of Visualized Experiments, 2014, , .	0.3	16
130	Late-life voluntary wheel running reverses age-related aortic stiffness in mice: a translational model for studying mechanisms of exercise-mediated arterial de-stiffening. GeroScience, 2021, 43, 423-432.	4.6	16
131	Anthracycline chemotherapyâ€mediated vascular dysfunction as a model of accelerated vascular aging. Aging and Cancer, 2021, 2, 45-69.	1.6	14
132	Musings on Mentoring: Teach Your "Children" Well. Journal of Applied Physiology, 2021, , .	2.5	14
133	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. Current Developments in Nutrition, 2019, 3, nzz113.	0.3	13
134	Oral nitrite therapy improves vascular function in diabetic mice. Diabetes and Vascular Disease Research, 2015, 12, 221-224.	2.0	12
135	To grant you an edge. Part 3. Considerations for writing competitive research career development proposals in the biomedical sciences. Journal of Applied Physiology, 2022, 132, 1518-1524.	2.5	12
136	To grant you an edge: Part 1. General strategies for writing competitive biomedical research proposals. Journal of Applied Physiology, 2022, 132, 1489-1505.	2.5	12
137	To grant you an edge: Part 2. Tactical tips for addressing specific aspects of biomedical research proposals. Journal of Applied Physiology, 2022, 132, 1506-1517.	2.5	12
138	Vascular Endothelial Function in Midlife/Older Adults Classified According to 2017 American College of Cardiology/American Heart Association Blood Pressure Guidelines. Journal of the American Heart Association, 2020, 9, e016625.	3.7	11
139	Time-efficient, high-resistance inspiratory muscle strength training for cardiovascular aging. Experimental Gerontology, 2021, 154, 111515.	2.8	11
140	Healthy Aging Interventions Reduce Repetitive Element Transcripts. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 805-810.	3.6	10
141	The protective role of regular aerobic exercise on vascular function with aging. Current Opinion in Physiology, 2019, 10, 55-63.	1.8	9
142	The historical context and scientific legacy of John O. Holloszy. Journal of Applied Physiology, 2019, 127, 277-305.	2.5	9
143	Accelerated aging of the brain transcriptome by the common chemotherapeutic doxorubicin. Experimental Gerontology, 2021, 152, 111451.	2.8	9
144	Nicotinamide Riboside Supplementation for Treating Elevated Systolic Blood Pressure and Arterial Stiffness in Midlife and Older Adults. Frontiers in Cardiovascular Medicine, 2022, 9, .	2.4	9

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145	Direct advice for directing an academic biomedical research laboratory. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R204-R220.	1.8	9
146	Robin Hood for the lungs? A respiratory metaboreflex that “steals” blood flow from locomotor muscles. Journal of Physiology, 2001, 537, 2-2.	2.9	8
147	Peroxisome proliferator-activated receptor δ activation improves endothelium-dependent dilation in healthy older men. FASEB Journal, 2008, 22, 64-64.	0.5	8
148	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. Frontiers in Cardiovascular Medicine, 2021, 8, 760203.	2.4	6
149	Translational Potential of High-Resistance Inspiratory Muscle Strength Training. Exercise and Sport Sciences Reviews, 2022, 50, 107-117.	3.0	6
150	Circulating interleukin-37 declines with aging in healthy humans: relations to healthspan indicators and IL37 gene SNPs. GeroScience, 0, , .	4.6	5
151	Lifelong physical activity attenuates age- and Western-style diet-related declines in physical function and adverse changes in skeletal muscle mass and inflammation. Experimental Gerontology, 2022, 157, 111632.	2.8	4
152	Adding value to a graduate physiology seminar by focusing on public communication skills. American Journal of Physiology - Advances in Physiology Education, 2016, 40, 365-369.	1.6	3
153	Cellular Senescence and the Associated Secretome Contribute to Age-Related Vascular Dysfunction. FASEB Journal, 2022, 36, .	0.5	3
154	Dietary rapamycin selectively improves arterial function in old mice. FASEB Journal, 2013, 27, 1194.17.	0.5	2
155	Dietary Sodium Restriction Decreases Urinary Ngal in Older Adults with Moderately Elevated Systolic Blood Pressure Free from Chronic Kidney Disease. Journal of Investigative Medicine, 2020, 68, 1271-1275.	1.6	2
156	Age-related impairment in endothelium-dependent dilation is related to diminished sirT deacetylase expression and increased eNOS acetylation. FASEB Journal, 2010, 24, 1039.2.	0.5	1
157	Treatment with the SIRT1 activator SRT1720 reduces large elastic artery stiffness, superoxide production and inflammation in old mice. FASEB Journal, 2011, 25, 1b485.	0.5	1
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