

Vienna E Brunt

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,438
citations

331670

21
h-index

345221

36
g-index

52
all docs

52
docs citations

52
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive heat therapy improves endothelial function, arterial stiffness and blood pressure in sedentary humans. <i>Journal of Physiology</i> , 2016, 594, 5329-5342.	2.9	198
2	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
3	KCa channels and epoxyeicosatrienoic acids: major contributors to thermal hyperaemia in human skin. <i>Journal of Physiology</i> , 2012, 590, 3523-3534.	2.9	109
4	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
5	Passive heat therapy improves cutaneous microvascular function in sedentary humans via improved nitric oxide-dependent dilation. <i>Journal of Applied Physiology</i> , 2016, 121, 716-723.	2.5	100
6	The gut microbiome-derived metabolite trimethylamine N-oxide modulates neuroinflammation and cognitive function with aging. <i>GeroScience</i> , 2021, 43, 377-394.	4.6	85
7	New approach to measure cutaneous microvascular function: an improved test of NO-mediated vasodilation by thermal hyperemia. <i>Journal of Applied Physiology</i> , 2014, 117, 277-283.	2.5	84
8	Passive heat therapy protects against endothelial cell hypoxia-reoxygenation via effects of elevations in temperature and circulating factors. <i>Journal of Physiology</i> , 2018, 596, 4831-4845.	2.9	49
9	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
10	Acute hot water immersion is protective against impaired vascular function following forearm ischemia-reperfusion in young healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1060-R1067.	1.8	41
11	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
12	No independent, but an interactive, role of calcium-activated potassium channels in human cutaneous active vasodilation. <i>Journal of Applied Physiology</i> , 2013, 115, 1290-1296.	2.5	40
13	17 β -Estradiol and Progesterone Independently Augment Cutaneous Thermal Hyperemia But Not Reactive Hyperemia. <i>Microcirculation</i> , 2011, 18, 347-355.	1.8	39
14	Heat therapy reduces sympathetic activity and improves cardiovascular risk profile in women who are obese with polycystic ovary syndrome. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R630-R640.	1.8	38
15	Cutaneous thermal hyperemia: more than skin deep. <i>Journal of Applied Physiology</i> , 2011, 111, 5-7.	2.5	37
16	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
17	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
18	Heat therapy: mechanistic underpinnings and applications to cardiovascular health. <i>Journal of Applied Physiology</i> , 2021, 130, 1684-1704.	2.5	33

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19	Endothelial-derived hyperpolarization contributes to acetylcholine-mediated vasodilation in human skin in a dose-dependent manner. <i>Journal of Applied Physiology</i> , 2015, 119, 1015-1022.	2.5	28
20	Tempol improves cutaneous thermal hyperemia through increasing nitric oxide bioavailability in young smokers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1507-H1511.	3.2	27
21	Nitroxide pharmaceutical development for age-related degeneration and disease. <i>Frontiers in Genetics</i> , 2015, 6, 325.	2.3	23
22	Serum from young, sedentary adults who underwent passive heat therapy improves endothelial cell angiogenesis via improved nitric oxide bioavailability. <i>Temperature</i> , 2019, 6, 169-178.	3.0	21
23	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
24	Short-term administration of progesterone and estradiol independently alter carotid-vasomotor, but not carotid-cardiac, baroreflex function in young women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1041-H1049.	3.2	17
25	Cutaneous blood flow during intradermal NO administration in young and older adults: roles for calcium-activated potassium channels and cyclooxygenase?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1081-R1087.	1.8	12
26	Ten days of repeated local forearm heating does not affect cutaneous vascular function. <i>Journal of Applied Physiology</i> , 2017, 123, 310-316.	2.5	7
27	Cellular senescence mediates doxorubicin-induced arterial dysfunction via activation of mitochondrial oxidative stress and the mammalian target of rapamycin. <i>FASEB Journal</i> , 2021, 35, .	0.5	6
28	Can targeting glutamate receptors with long-term heat acclimation improve outcomes following hypoxic injury?. <i>Temperature</i> , 2015, 2, 51-52.	3.0	5
29	Circulating interleukin-37 declines with aging in healthy humans: relations to healthspan indicators and IL37 gene SNPs. <i>GeroScience</i> , 0, , .	4.6	5
30	Reply from Vienna E. Brunt, Matthew J. Howard, Michael A. Francisco, Brett R. Ely and Christopher T. Minson. <i>Journal of Physiology</i> , 2017, 595, 3669-3670.	2.9	3
31	Cellular Senescence and the Associated Secretome Contribute to Age-Related Vascular Dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.5	3
32	Thermoregulatory Considerations for the Performance of Exercise in SCI. , 2016, , 127-160.		2
33	Brachial and carotid hemodynamic response to hot water immersion in men and women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R823-R832.	1.8	2
34	Reply from Vienna E. Brunt, Matthew J. Howard, Michael A. Francisco, Brett R. Ely and Christopher T. Minson. <i>Journal of Physiology</i> , 2016, 594, 7143-7144.	2.9	1
35	Diastolic dysfunction and older adults: heating up the conversation. <i>Journal of Physiology</i> , 2017, 595, 5011-5012.	2.9	1
36	Apigenin restores endothelial function by ameliorating oxidative stress, prevents foam cell formation, reverses aortic stiffening, and mitigates vascular inflammation with aging. <i>FASEB Journal</i> , 2021, 35, .	0.5	1

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37	Passive Heat Therapy Lowers Systolic Blood Pressure and Improves Vascular Endothelial Function in Healthy Older Adults. , 2019, 33, 829.2.		1
38	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. FASEB Journal, 2022, 36, .	0.5	1
39	Changes in Gut Microbiome Composition with Healthy Aging in Humans: Links to Vascular Endothelial Function. FASEB Journal, 2022, 36, .	0.5	1
40	Preventing endothelial cell-mediated muscle satellite cell dysfunction: a new hot topic?. Journal of Physiology, 2020, 598, 225-226.	2.9	0
41	Attenuation of exaggerated blood pressure responses to exercise: a byproduct of improved vascular function with passive heat therapy?. Journal of Physiology, 2020, 598, 4443-4445.	2.9	0
42	Passive Heat Therapy Reduces Aortic and Carotid Artery Stiffness and Intima-Media Thickness in Middle-Aged and Older Adults. FASEB Journal, 2021, 35, .	0.5	0
43	Influence of progesterone and estradiol on cardiovagal baroreflex sensitivity in young healthy women. FASEB Journal, 2010, 24, 1020.3.	0.5	0
44	Progesterone administration antagonizes the effect of estradiol on endothelium-dependent vasodilation in young healthy women. FASEB Journal, 2010, 24, 1041.22.	0.5	0
45	Impact of sex hormones on cutaneous neurovascular responses in humans. FASEB Journal, 2010, 24, 991.23.	0.5	0
46	Comparison of cardiovagal baroreflex sensitivity analysis techniques in young healthy women. FASEB Journal, 2011, 25, 1060.1.	0.5	0
47	KCa channels and EETs: major contributors to cutaneous thermal hyperemia. FASEB Journal, 2012, 26, 1079.10.	0.5	0
48	A complex interplay between NO, EDHFs, and KIR channels in cutaneous active vasodilation. FASEB Journal, 2013, 27, 1133.16.	0.5	0
49	EDHFs contribute to ACh-mediated vasodilation in human skin in a dose-dependent manner. FASEB Journal, 2013, 27, 687.9.	0.5	0
50	A novel look at KIR channels and potassium in human skin. FASEB Journal, 2013, 27, .	0.5	0
51	Suppression of the Gut Microbiome-Derived Metabolite Trimethylamine N-oxide Prevents Western Diet-Induced Arterial Dysfunction. FASEB Journal, 2018, 32, .	0.5	0
52	Transfer of Young Gut Microbiota Ameliorates Age- and Western-Style Diet-Related Vascular Endothelial Dysfunction in Mice. FASEB Journal, 2019, 33, 828.16.	0.5	0