Ashley E Walker

List of Publications by Year
in descending order

65 papers	2,394 citations	257429 24 h-index	265191 42 g-index
65 all docs	65 docs citations	65 times ranked	4049 citing authors

#	Article	IF	Citations
1	Sex Differences in the Relation Between Frailty and Endothelial Dysfunction in Old Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 416-423.	3.6	8
2	In vivo arterial stiffness, but not isolated artery endothelial function, varies with the mouse estrus cycle. FASEB Journal, 2022, 36, .	0.5	0
3	Exacerbated Vascular Inflammation Following Traumatic Hemorrhage in Obese Rats. FASEB Journal, 2022, 36, .	0.5	0
4	Large artery stiffness and brain health: insights from animal models. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H424-H431.	3.2	23
5	Aged Elastin Haploinsufficient Mice Have Impairments in Memory, Motor Coordination, and Cerebral Artery Endothelial Function. FASEB Journal, 2021, 35, .	0.5	0
6	Effects of Pyridoxamine Treatment on Large Artery Stiffness, Endothelial Function, and Cognitive Impairment in Old Mice. FASEB Journal, 2021, 35, .	0.5	0
7	Mechanisms for the Ageâ€Related Differences in Cerebral Artery Endothelial Function After Exposure to Elevated Pulse Pressure. FASEB Journal, 2021, 35, .	0.5	0
8	Sex Differences in Large Artery Stiffness: Implications for Cerebrovascular Dysfunction and Alzheimerâ€™s Disease. Frontiers in Aging, 2021, 2, .	2.6	12
9	Transforming Psychiatry from the Classroom to the Clinic: Lessons from the National Neuroscience Curriculum Initiative. Academic Psychiatry, 2020, 44, 29-36.	0.9	16
10	Deletion of Robo4 prevents highâ€fat dietâ€induced adipose artery and systemic metabolic dysfunction. Microcirculation, 2019, 26, e12540.	1.8	4
11	The pro-atherogenic response to disturbed blood flow is increased by a western diet, but not by old age. Scientific Reports, 2019, 9, 2925.	3.3	9
12	Cerebral and skeletal muscle feed artery vasoconstrictor responses in a mouse model with greater large elastic artery stiffness. Experimental Physiology, 2019, 104, 434-442.	2.0	13
13	Induced Trf2 deletion leads to aging vascular phenotype in mice associated with arterial telomere uncapping, senescence signaling, and oxidative stress. Journal of Molecular and Cellular Cardiology, 2019, 127, 74-82.	1.9	24
14	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. Nature Communications, 2018, 9, 5070.	12.8	42
15	Telomere uncapping and vascular aging. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1-H5.	3.2	32
16	Pyridoxamine attenuates ageâ€related impairments in cerebral artery endothelial function. FASEB Journal, 2018, 32, 711.12.	0.5	0
17	Dietary rapamycin supplementation reverses ageâ€related vascular dysfunction and oxidative stress, while modulating nutrientâ€sensing, cell cycle, and senescence pathways. Aging Cell, 2017, 16, 17-26.	6.7	123
18	Age-related arterial telomere uncapping and senescence is greater in women compared with men. Experimental Gerontology, 2016, 73, 65-71.	2.8	12

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19	Reduced large elastic artery stiffness with regular aerobic exercise in middle-aged and older adults. Journal of Hypertension, 2015, 33, 2477-2482.	0.5	36
20	Greater impairments in cerebral artery compared with skeletal muscle feed artery endothelial function in a mouse model of increased large artery stiffness. Journal of Physiology, 2015, 593, 1931-1943.	2.9	38
21	Cellular and molecular biology of aging endothelial cells. Journal of Molecular and Cellular Cardiology, 2015, 89, 122-135.	1.9	367
22	Systemic sclerosis induces pronounced peripheral vascular dysfunction characterized by blunted peripheral vasoreactivity and endothelial dysfunction. Clinical Rheumatology, 2015, 34, 905-913.	2.2	33
23	Strategy for Identifying Repurposed Drugs for the Treatment of Cerebral Cavernous Malformation. Circulation, 2015, 131, 289-299.	1.6	149
24	Dietary Vitamin D and Its Metabolites Non-Genomically Stabilize the Endothelium. PLoS ONE, 2015, 10, e0140370.	2.5	63
25	Partial Carotid Ligation Impairs Middle Cerebral Artery Endothelial Function in Old Mice. FASEB Journal, 2015, 29, 949.1.	0.5	0
26	Ageâ€Related Telomere Uncapping Occurs Independent of Telomere Shortening in Mouse Endothelial Cells. FASEB Journal, 2015, 29, 642.1.	0.5	1
27	Prevention of age-related endothelial dysfunction by habitual aerobic exercise in healthy humans: possible role of nuclear factor ÎºB. Clinical Science, 2014, 127, 645-654.	4.3	64
28	Becoming the Physical Activity Champion: Empowerment through Social Marketing. Strategies, 2014, 27, 38-41.	0.3	1
29	Dichotomous mechanisms of aortic stiffening in high-fat diet fed young and old B6D2F1 mice. Physiological Reports, 2014, 2, e00268.	1.7	21
30	Role of arterial telomere dysfunction in hypertension. Journal of Hypertension, 2014, 32, 1293-1299.	0.5	58
31	Smooth muscle specific disruption of the endothelin-A receptor in mice reduces arterial pressure, and vascular reactivity and affects vascular development. Life Sciences, 2014, 118, 238-243.	4.3	20
32	The impact of ageing on adipose structure, function and vasculature in the B6D2F1 mouse: evidence of significant multisystem dysfunction. Journal of Physiology, 2014, 592, 4083-4096.	2.9	54
33	Beneficial effects of lifelong caloric restriction on endothelial function are greater in conduit arteries compared to cerebral resistance arteries. Age, 2014, 36, 559-569.	3.0	31
34	SIRT1 overexpression protects against high fat dietâ€induced cerebral artery endothelial dysfunction (1070.10). FASEB Journal, 2014, 28, 1070.10.	0.5	0
35	Life-long caloric restriction reduces oxidative stress and preserves nitric oxide bioavailability and function in arteries of old mice. Aging Cell, 2013, 12, 772-783.	6.7	146
36	Regular aerobic exercise protects against impaired fasting plasma glucose-associated vascular endothelial dysfunction with aging. Clinical Science, 2013, 124, 325-331.	4.3	42

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37	Response to Effect of Fenofibrate on Vascular Endothelial Function: Statistical Appraisal and its Validity. Hypertension, 2013, 61, e56.	2.7	0
38	Angiotensin II receptor signaling modulates vascular smooth muscle sensitivity to nitric oxide in an adiposityâ€specific manner in healthy adults. FASEB Journal, 2013, 27, 1165.22.	0.5	0
39	Aortic stiffening as a result of reduced elastin content leads to cerebral artery dysfunction. FASEB Journal, 2013, 27, 1194.3.	0.5	1
40	Morphological Changes Underlying High Fat Dietâ€Associated Arterial Stiffening Differ with Advancing Age. FASEB Journal, 2013, 27, 1194.16.	0.5	0
41	Vascular smooth muscle responsiveness to nitric oxide is reduced in healthy adults with increased adiposity. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H743-H750.	3.2	18
42	TNF-Î± impairs endothelial function in adipose tissue resistance arteries of mice with diet-induced obesity. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H672-H679.	3.2	46
43	Fenofibrate Improves Vascular Endothelial Function by Reducing Oxidative Stress While Increasing Endothelial Nitric Oxide Synthase in Healthy Normolipidemic Older Adults. Hypertension, 2012, 60, 1517-1523.	2.7	62
44	Tadalafil Alleviates Muscle Ischemia in Patients with Becker Muscular Dystrophy. Science Translational Medicine, 2012, 4, 162ra155.	12.4	79
45	Tetrahydrobiopterin Supplementation Enhances Carotid Artery Compliance in Healthy Older Men: A Pilot Study. American Journal of Hypertension, 2012, 25, 1050-1054.	2.0	22
46	Acute phosphodiesterase inhibition improves functional muscle ischemia in patients with Becker muscular dystrophy. FASEB Journal, 2012, 26, 1092.7.	0.5	1
47	Reduced large elastic artery stiffness in older exercising adults is associated with suppressed nuclear factor kappa B signaling. FASEB Journal, 2012, 26, 1138.10.	0.5	0
48	Smaller cerebrovascular arteries have a greater ageâ€related endothelial dysfunction and a blunted response to lifeâ€long caloric restriction. FASEB Journal, 2012, 26, 685.31.	0.5	0
49	Impaired fasting blood glucoseâ€related exacerbation of ageâ€associated vascular endothelial dysfunction: protective effect of regular aerobic exercise. FASEB Journal, 2012, 26, 865.2.	0.5	0
50	Sex-specific effects of habitual aerobic exercise on brachial artery flow-mediated dilation in middle-aged and older adults. Clinical Science, 2011, 120, 13-23.	4.3	160
51	Plasma norepinephrine is an independent predictor of vascular endothelial function with aging in healthy women. Journal of Applied Physiology, 2011, 111, 1416-1421.	2.5	36
52	25-Hydroxyvitamin D Deficiency Is Associated With Inflammation-Linked Vascular Endothelial Dysfunction in Middle-Aged and Older Adults. Hypertension, 2011, 57, 63-69.	2.7	301
53	Vascular Endothelial Function Is Related to White Blood Cell Count and Myeloperoxidase Among Healthy Middle-Aged and Older Adults. Hypertension, 2010, 55, 363-369.	2.7	41
54	25â€Hydroxyvitamin D deficiency is associated with vascular endothelial dysfunction in middleâ€aged and older adults. FASEB Journal, 2010, 24, 1039.7.	0.5	0

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55	Modulation of Vascular Endothelial Function by Low-Density Lipoprotein Cholesterol With Aging: Influence of Habitual Exercise. American Journal of Hypertension, 2009, 22, 250-256.	2.0	40
56	Habitual exercise and vascular ageing. Journal of Physiology, 2009, 587, 5541-5549.	2.9	137
57	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.	0.5	0
58	Absence of Inhibitor of Nuclear Factor Î¤ B Kinaseâ€Mediated Suppression of Vascular Endothelial Function in Middleâ€Aged/Older Adults Who Exercise. FASEB Journal, 2009, 23, LB61.	0.5	0
59	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.	0.5	0
60	Prediabetes in the absence of the metabolic syndrome is associated with impaired brachial artery flowâ€mediated dilation. FASEB Journal, 2008, 22, 1211.8.	0.5	0
61	Peroxisome proliferatorâ€activated receptor Î± activation improves endotheliumâ€dependent dilation in healthy older men. FASEB Journal, 2008, 22, 64-64.	0.5	8
62	Commentary on Viewpoint â€œHuman experimentation: No accurate, quantitative data?â€• Journal of Applied Physiology, 2007, 102, 1294-1294.	2.5	0
63	Ageâ€Associated Reductions in Endotheliumâ€Dependent Dilation in Humans are Related to Increases in Vascular Endothelial Protein Expression of Endothelinâ€1. FASEB Journal, 2007, 21, A1237.	0.5	0
64	Enhanced vascular endotheliumâ€dependent dilation in older men who exercise is associated with markedly lower endothelial oxidative stress. FASEB Journal, 2007, 21, A932.	0.5	0
65	Plasma lowâ€density lipoprotein cholesterol modulates vascular endothelial function as well as systemic and vascular endothelial oxidative stress in middleâ€aged and older men. FASEB Journal, 2007, 21, A445.	0.5	0