

# Lisa A Lesniewski

## List of Publications by Citations

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81  
papers

2,806  
citations

28  
h-index

52  
g-index

89  
ext. papers

3,253  
ext. citations

4.3  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
81	Cellular and molecular biology of aging endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 89, 122-35	5.8	270
80	Nuclear factor- $\kappa$ B activation contributes to vascular endothelial dysfunction via oxidative stress in overweight/obese middle-aged and older humans. <i>Circulation</i> , <b>2009</b> , 119, 1284-92	16.7	181
79	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> , <b>2009</b> , 587, 3271-85	3.9	167
78	SIRT-1 and vascular endothelial dysfunction with ageing in mice and humans. <i>Journal of Physiology</i> , <b>2011</b> , 589, 4545-54	3.9	163
77	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. <i>Circulation Research</i> , <b>2018</b> , 123, 825-848	15.7	160
76	Arterial stiffening with ageing is associated with transforming growth factor- $\beta$ -related changes in adventitial collagen: reversal by aerobic exercise. <i>Journal of Physiology</i> , <b>2010</b> , 588, 3971-82	3.9	145
75	Short-term calorie restriction reverses vascular endothelial dysfunction in old mice by increasing nitric oxide and reducing oxidative stress. <i>Aging Cell</i> , <b>2010</b> , 9, 304-12	9.9	125
74	Strategy for identifying repurposed drugs for the treatment of cerebral cavernous malformation. <i>Circulation</i> , <b>2015</b> , 131, 289-99	16.7	118
73	Habitual exercise and vascular ageing. <i>Journal of Physiology</i> , <b>2009</b> , 587, 5541-9	3.9	117
72	Life-long caloric restriction reduces oxidative stress and preserves nitric oxide bioavailability and function in arteries of old mice. <i>Aging Cell</i> , <b>2013</b> , 12, 772-83	9.9	116
71	Effects of aging on vasoconstrictor and mechanical properties of rat skeletal muscle arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H1843-54	5.2	94
70	Dietary rapamycin supplementation reverses age-related vascular dysfunction and oxidative stress, while modulating nutrient-sensing, cell cycle, and senescence pathways. <i>Aging Cell</i> , <b>2017</b> , 16, 17-26	9.9	93
69	Bone marrow-specific Cap gene deletion protects against high-fat diet-induced insulin resistance. <i>Nature Medicine</i> , <b>2007</b> , 13, 455-62	50.5	93
68	Aerobic exercise reverses arterial inflammation with aging in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1025-32	5.2	88
67	Ageing and exercise training alter adrenergic vasomotor responses of rat skeletal muscle arterioles. <i>Journal of Physiology</i> , <b>2007</b> , 579, 115-25	3.9	69
66	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> , <b>2009</b> , 64, 9-20	6.4	63
65	The effects of aging and exercise training on endothelin-1 vasoconstrictor responses in rat skeletal muscle arterioles. <i>Cardiovascular Research</i> , <b>2005</b> , 66, 393-401	9.9	62

64	Life-long caloric restriction elicits pronounced protection of the aged myocardium: a role for AMPK. <i>Mechanisms of Ageing and Development</i> , <b>2010</b> , 131, 739-42	5.6	59
63	Decreased NO signaling leads to enhanced vasoconstrictor responsiveness in skeletal muscle arterioles of the ZDF rat prior to overt diabetes and hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H1840-50	5.2	53
62	Salicylate treatment improves age-associated vascular endothelial dysfunction: potential role of nuclear factor kappaB and forkhead Box O phosphorylation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2011</b> , 66, 409-18	6.4	49
61	Role of NFkappaB in age-related vascular endothelial dysfunction in humans. <i>Aging</i> , <b>2009</b> , 1, 678-80	5.6	44
60	Dietary Vitamin D and Its Metabolites Non-Genomically Stabilize the Endothelium. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140370	3.7	38
59	The impact of ageing on adipose structure, function and vasculature in the B6D2F1 mouse: evidence of significant multisystem dysfunction. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4083-96	3.9	37
58	TNF- $\alpha$ impairs endothelial function in adipose tissue resistance arteries of mice with diet-induced obesity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H672-9	5.2	37
57	Sustained activation of AMPK ameliorates age-associated vascular endothelial dysfunction via a nitric oxide-independent mechanism. <i>Mechanisms of Ageing and Development</i> , <b>2012</b> , 133, 368-71	5.6	36
56	Mechanisms of force loss in diabetic mouse skeletal muscle. <i>Muscle and Nerve</i> , <b>2003</b> , 28, 493-500	3.4	36
55	Influence of ageing and physical activity on vascular morphology in rat skeletal muscle. <i>Journal of Physiology</i> , <b>2006</b> , 575, 617-26	3.9	34
54	Aging compounds western diet-associated large artery endothelial dysfunction in mice: prevention by voluntary aerobic exercise. <i>Experimental Gerontology</i> , <b>2013</b> , 48, 1218-25	4.5	32
53	Greater impairments in cerebral artery compared with skeletal muscle feed artery endothelial function in a mouse model of increased large artery stiffness. <i>Journal of Physiology</i> , <b>2015</b> , 593, 1931-43	3.9	23
52	Small GTPase ARF6 controls VEGFR2 trafficking and signaling in diabetic retinopathy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 4569-4582	15.9	19
51	Effects of aging, TNF- $\alpha$ and exercise training on angiotensin II-induced vasoconstriction of rat skeletal muscle arterioles. <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 1091-100	3.7	19
50	Dichotomous mechanisms of aortic stiffening in high-fat diet fed young and old B6D2F1 mice. <i>Physiological Reports</i> , <b>2014</b> , 2, e00268	2.6	18
49	Age-related arterial immune cell infiltration in mice is attenuated by caloric restriction or voluntary exercise. <i>Experimental Gerontology</i> , <b>2018</b> , 109, 99-107	4.5	17
48	Smooth muscle specific disruption of the endothelin-A receptor in mice reduces arterial pressure, and vascular reactivity and affects vascular development. <i>Life Sciences</i> , <b>2014</b> , 118, 238-43	6.8	17
47	Experimental reduction of miR-92a mimics arterial aging. <i>Experimental Gerontology</i> , <b>2016</b> , 83, 165-70	4.5	15

46	Differential effects of aging and exercise on intra-abdominal adipose arteriolar function and blood flow regulation. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 808-15	3.7	14
45	P2Y Receptor Promotes High-Fat Diet-Induced Obesity. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 341	5.7	13
44	Human skeletal muscle feed arteries: evidence of regulatory potential. <i>Acta Physiologica</i> , <b>2012</b> , 206, 135-41	5.4	9
43	Induced Trf2 deletion leads to aging vascular phenotype in mice associated with arterial telomere uncapping, senescence signaling, and oxidative stress. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 127, 74-82	5.8	9
42	Selected life-extending interventions reduce arterial CXCL10 and macrophage colony-stimulating factor in aged mouse arteries. <i>Cytokine</i> , <b>2017</b> , 96, 102-106	4	7
41	Age-related arterial telomere uncapping and senescence is greater in women compared with men. <i>Experimental Gerontology</i> , <b>2016</b> , 73, 65-71	4.5	7
40	Lifelong SIRT-1 overexpression attenuates large artery stiffening with advancing age. <i>Aging</i> , <b>2020</b> , 12, 11314-11324	5.6	7
39	Reversing age-associated arterial dysfunction: insight from preclinical models. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 1860-1870	3.7	6
38	Cerebral and skeletal muscle feed artery vasoconstrictor responses in a mouse model with greater large elastic artery stiffness. <i>Experimental Physiology</i> , <b>2019</b> , 104, 434-442	2.4	6
37	Dietary Glycocalyx Precursor Supplementation Ameliorates Age-Related Vascular Dysfunction. <i>FASEB Journal</i> , <b>2019</b> , 33, 828.1	0.9	4
36	T lymphocyte depletion ameliorates age-related metabolic impairments in mice. <i>GeroScience</i> , <b>2021</b> , 43, 1331-1347	8.9	4
35	Impact of high-fat diet on vasoconstrictor reactivity of white and brown adipose tissue resistance arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H485-H494	5.2	3
34	Deletion of Robo4 prevents high-fat diet-induced adipose artery and systemic metabolic dysfunction. <i>Microcirculation</i> , <b>2019</b> , 26, e12540	2.9	2
33	Dietary rapamycin selectively improves arterial function in old mice. <i>FASEB Journal</i> , <b>2013</b> , 27, 1194.17	0.9	2
32	The pro-atherogenic response to disturbed blood flow is increased by a western diet, but not by old age. <i>Scientific Reports</i> , <b>2019</b> , 9, 2925	4.9	2
31	Age-Related Telomere Uncapping Occurs Independent of Telomere Shortening in Mouse Endothelial Cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 642.1	0.9	1
30	Telomere uncapping causes cellular senescence and inflammation in arteries: implications for arterial aging. <i>FASEB Journal</i> , <b>2013</b> , 27, 1131.1	0.9	1
29	Aging differentially impacts vasodilation and angiogenesis in arteries from the white and brown adipose tissues. <i>Experimental Gerontology</i> , <b>2020</b> , 142, 111126	4.5	1

28	T cells mediate cell non-autonomous arterial ageing in mice. <i>Journal of Physiology</i> , <b>2021</b> , 599, 3973-3991	3.9	1
27	Aortic stiffening as a result of reduced elastin content leads to cerebral artery dysfunction. <i>FASEB Journal</i> , <b>2013</b> , 27, 1194.3	0.9	0
26	Nuclear factor $\kappa$ B-associated inflammation mediates impaired vascular endothelial function in non-diabetic middle-aged and older overweight/obese men. <i>FASEB Journal</i> , <b>2008</b> , 22, 743.2	0.9	
25	Aging is Associated with Increased Susceptibility to Western Diet-Induced Glucose Intolerance and Endothelial Dysfunction in Mice. <i>FASEB Journal</i> , <b>2008</b> , 22, 1226.7	0.9	
24	Deletion of miR-92a Results in Glucose Intolerance via Impaired Pancreatic Beta Cell Function. <i>FASEB Journal</i> , <b>2019</b> , 33, 714.2	0.9	
23	Aged endothelial cells exhibit a metabolic shift from anaerobic glycolysis to oxidative phosphorylation. <i>FASEB Journal</i> , <b>2019</b> , 33, 693.14	0.9	
22	SIRT1 overexpression protects against high fat diet-induced cerebral artery endothelial dysfunction (1070.10). <i>FASEB Journal</i> , <b>2014</b> , 28, 1070.10	0.9	
21	Partial Carotid Ligation Impairs Middle Cerebral Artery Endothelial Function in Old Mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 949.1	0.9	
20	Endothelial ARF6 deletion impairs insulin-induced dilation of adipose arteries and systemic glucose tolerance. <i>FASEB Journal</i> , <b>2015</b> , 29, 802.1	0.9	
19	Inhibition of MiR-92 Mimics Arterial Aging. <i>FASEB Journal</i> , <b>2015</b> , 29, 1047.3	0.9	
18	Aging is associated with reduced vasodilation to insulin in subcutaneous adipose arteries in B6D2F1 mice. <i>FASEB Journal</i> , <b>2015</b> , 29, 1044.5	0.9	
17	Chronic aerobic exercise opposes age- and high fat diet-associated vascular endothelial dysfunction: relation to IKK $\alpha$ and AMPK. <i>FASEB Journal</i> , <b>2009</b> , 23, 777.7	0.9	
16	Voluntary aerobic exercise abolishes age-associated arterial stiffening in mice: relation to collagen subtype expression in the medial and adventitial layers. <i>FASEB Journal</i> , <b>2009</b> , 23, 774.13	0.9	
15	Absence of Inhibitor of Nuclear Factor $\kappa$ B Kinase-Mediated Suppression of Vascular Endothelial Function in Middle-Aged/Older Adults Who Exercise. <i>FASEB Journal</i> , <b>2009</b> , 23, LB61	0.9	
14	Aging increases susceptibility to western diet-induced glucose intolerance and insulin resistance in mice. <i>FASEB Journal</i> , <b>2009</b> , 23, 990.18	0.9	
13	Short-term AMPK activation improves vascular endothelial function in old mice by a different mechanism than habitual aerobic exercise. <i>FASEB Journal</i> , <b>2010</b> , 24, 619.9	0.9	
12	Habitual aerobic exercise reverses age-associated increases in transforming growth factor beta 1 in carotid arteries of mice. <i>FASEB Journal</i> , <b>2010</b> , 24, 790.6	0.9	
11	Voluntary running and caloric restriction reverse cerebrovascular endothelial dysfunction in old mice by restoring nitric oxide bioavailability. <i>FASEB Journal</i> , <b>2011</b> , 25, 1108.16	0.9	

10	Increased TRF2 binding likely limits telomere uncapping in older human arteries despite age-related telomere attrition. <i>FASEB Journal</i> , <b>2012</b> , 26, 865.10	0.9
9	Whole body C-cbl Associated Protein (CAP) deleted mice display impaired endothelium dependent dilation and nitric oxide bioavailability. <i>FASEB Journal</i> , <b>2012</b> , 26, 1129.12	0.9
8	Blunting of Endothelium Dependent Dilation in Adipose Tissue Arteries by Tumor Necrosis Factor Alpha is Lost after High Fat Feeding. <i>FASEB Journal</i> , <b>2012</b> , 26, 680.17	0.9
7	Evidence of the regulatory potential of human skeletal muscle feed arteries. <i>FASEB Journal</i> , <b>2012</b> , 26, 1138.29	0.9
6	Smaller cerebrovascular arteries have a greater age-related endothelial dysfunction and a blunted response to life-long caloric restriction. <i>FASEB Journal</i> , <b>2012</b> , 26, 685.31	0.9
5	Morphological Changes Underlying High Fat Diet-Associated Arterial Stiffening Differ with Advancing Age. <i>FASEB Journal</i> , <b>2013</b> , 27, 1194.16	0.9
4	Differential effects of aging and exercise training on intra-abdominal adipose arteriolar function and blood flow regulation. <i>FASEB Journal</i> , <b>2013</b> , 27, 898.6	0.9
3	Chronic aerobic exercise: targeting two birds with one stone. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1015-1016	0.9
2	Multicolor fluorescence biosensors reveal a burning need for diversity in the single-cell metabolic landscape. <i>Trends in Endocrinology and Metabolism</i> , <b>2021</b> , 32, 537-539	8.8
1	Sirt1 overexpression attenuates Western-style diet-induced aortic stiffening in mice.. <i>Physiological Reports</i> , <b>2022</b> , 10, e15284	2.6