

# W Larry Kenney

## List of Publications by Citations

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103  
papers

4,427  
citations

37  
h-index

65  
g-index

105  
ext. papers

5,016  
ext. citations

3.3  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
103	The human cutaneous circulation as a model of generalized microvascular function. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 370-2	3.7	322
102	Invited review: aging and human temperature regulation. <i>Journal of Applied Physiology</i> , <b>2003</b> , 95, 2598-603	3.7	304
101	Influence of age on thirst and fluid intake. <i>Medicine and Science in Sports and Exercise</i> , <b>2001</b> , 33, 1524-32	1.2	234
100	Decreased nitric oxide- and axon reflex-mediated cutaneous vasodilation with age during local heating. <i>Journal of Applied Physiology</i> , <b>2002</b> , 93, 1644-9	3.7	203
99	Age alters the cardiovascular response to direct passive heating. <i>Journal of Applied Physiology</i> , <b>1998</b> , 84, 1323-32	3.7	184
98	Mechanisms of acetylcholine-mediated vasodilatation in young and aged human skin. <i>Journal of Physiology</i> , <b>2005</b> , 563, 965-73	3.9	168
97	National Athletic Trainers Association Position Statement: Fluid Replacement for the Physically Active. <i>Journal of Athletic Training</i> , <b>2017</b> , 52, 877-895	4	158
96	Heat waves, aging, and human cardiovascular health. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 1891-9	1.2	136
95	Exercise- and methylcholine-induced sweating responses in older and younger men: effect of heat acclimation and aerobic fitness. <i>International Journal of Biometeorology</i> , <b>1999</b> , 42, 210-6	3.7	112
94	Nitric oxide and attenuated reflex cutaneous vasodilation in aged skin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 284, H1662-7	5.2	111
93	L-Arginine supplementation or arginase inhibition augments reflex cutaneous vasodilatation in aged human skin. <i>Journal of Physiology</i> , <b>2006</b> , 574, 573-81	3.9	96
92	Up-regulation of arginase activity contributes to attenuated reflex cutaneous vasodilatation in hypertensive humans. <i>Journal of Physiology</i> , <b>2007</b> , 581, 863-72	3.9	92
91	Peripheral mechanisms of thermoregulatory control of skin blood flow in aged humans. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1538-44	3.7	91
90	Endothelial nitric oxide synthase mediates cutaneous vasodilation during local heating and is attenuated in middle-aged human skin. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 2019-26	3.7	90
89	Two percent dehydration impairs and six percent carbohydrate drink improves boys basketball skills. <i>Medicine and Science in Sports and Exercise</i> , <b>2006</b> , 38, 1650-8	1.2	86
88	Progressive dehydration causes a progressive decline in basketball skill performance. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 1114-23	1.2	84
87	Control of heat-induced cutaneous vasodilatation in relation to age. <i>European Journal of Applied Physiology and Occupational Physiology</i> , <b>1988</b> , 57, 120-5		81

86	Local ascorbate administration augments NO- and non-NO-dependent reflex cutaneous vasodilation in hypertensive humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H1090-6	5.2	77
85	Changes in the control of skin blood flow with exercise training: where do cutaneous vascular adaptations fit in?. <i>Experimental Physiology</i> , <b>2011</b> , 96, 822-8	2.4	75
84	Aging and the control of human skin blood flow. <i>Frontiers in Bioscience - Landmark</i> , <b>2010</b> , 15, 718-39	2.8	74
83	Role of folic acid in nitric oxide bioavailability and vascular endothelial function. <i>Nutrition Reviews</i> , <b>2017</b> , 75, 61-70	6.4	73
82	Change in body mass accurately and reliably predicts change in body water after endurance exercise. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 105, 959-67	3.4	73
81	Acute ascorbate supplementation alone or combined with arginase inhibition augments reflex cutaneous vasodilation in aged human skin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H2965-70	5.2	71
80	Age, splanchnic vasoconstriction, and heat stress during tilting. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1999</b> , 276, R203-12	3.2	63
79	Local tetrahydrobiopterin administration augments reflex cutaneous vasodilation through nitric oxide-dependent mechanisms in aged human skin. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 791-7	3.7	59
78	Oral atorvastatin therapy restores cutaneous microvascular function by decreasing arginase activity in hypercholesterolaemic humans. <i>Journal of Physiology</i> , <b>2011</b> , 589, 2093-103	3.9	54
77	Aerobic training and cutaneous vasodilation in young and older men. <i>Journal of Applied Physiology</i> , <b>1999</b> , 86, 1676-86	3.7	53
76	Heat balance limits in football uniforms how different uniform ensembles alter the equation. <i>Physician and Sportsmedicine</i> , <b>2002</b> , 30, 29-39	2.4	52
75	Nonuniform, age-related decrements in regional sweating and skin blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 305, R877-85	3.2	51
74	Cutaneous vasoconstrictor responses to norepinephrine are attenuated in older humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 288, R1108-13	3.2	48
73	Sex differences in voluntary fluid intake by older adults during exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, 789-96	1.2	47
72	Rho kinase-mediated local cold-induced cutaneous vasoconstriction is augmented in aged human skin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H30-6	5.2	44
71	Determinants of water and sodium intake and output. <i>Nutrition Reviews</i> , <b>2015</b> , 73 Suppl 2, 73-82	6.4	42
70	Sympathetic regulation during thermal stress in human aging and disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2016</b> , 196, 81-90	2.4	42
69	Folic acid supplementation improves microvascular function in older adults through nitric oxide-dependent mechanisms. <i>Clinical Science</i> , <b>2015</b> , 129, 159-67	6.5	42

68	Altered mechanisms of vasodilation in aged human skin. <i>Exercise and Sport Sciences Reviews</i> , <b>2007</b> , 35, 119-25	6.7	42
67	Blood pressure regulation III: what happens when one system must serve two masters: temperature and pressure regulation?. <i>European Journal of Applied Physiology</i> , <b>2014</b> , 114, 467-79	3.4	37
66	Attenuated noradrenergic sensitivity during local cooling in aged human skin. <i>Journal of Physiology</i> , <b>2005</b> , 564, 313-9	3.9	37
65	Extremes of human heat tolerance: life at the precipice of thermoregulatory failure. <i>Journal of Thermal Biology</i> , <b>2004</b> , 29, 479-485	2.9	35
64	Delayed distribution of active vasodilation and altered vascular conductance in aged skin. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 1045-53	3.7	34
63	Regional relation between skin blood flow and sweating to passive heating and local administration of acetylcholine in young, healthy humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 304, R566-73	3.2	32
62	Acute localized administration of tetrahydrobiopterin and chronic systemic atorvastatin treatment restore cutaneous microvascular function in hypercholesterolaemic humans. <i>Journal of Physiology</i> , <b>2011</b> , 589, 4787-97	3.9	32
61	Sex- and limb-specific differences in the nitric oxide-dependent cutaneous vasodilation in response to local heating. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R914-9	3.2	28
60	Ketorolac alters blood flow during normothermia but not during hyperthermia in middle-aged human skin. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1121-7	3.7	28
59	Psychrometric limits and critical evaporative coefficients for unacclimated men and women. <i>Journal of Applied Physiology</i> , <b>2002</b> , 92, 2256-63	3.7	28
58	Oral sapropterin acutely augments reflex vasodilation in aged human skin through nitric oxide-dependent mechanisms. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 972-8	3.7	27
57	Chronic low-dose aspirin therapy attenuates reflex cutaneous vasodilation in middle-aged humans. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 500-5	3.7	27
56	Neurovascular mechanisms underlying augmented cold-induced reflex cutaneous vasoconstriction in human hypertension. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1687-1698	3.9	25
55	Edward F. Adolph Distinguished Lecture: Skin-deep insights into vascular aging. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1024-1038	3.7	23
54	Muscle sympathetic nerve activity during cold stress and isometric exercise in healthy older adults. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 648-57	3.7	23
53	Interdisciplinary Perspectives on Sun Safety. <i>JAMA Dermatology</i> , <b>2018</b> , 154, 88-92	5.1	23
52	Lack of limb or sex differences in the cutaneous vascular responses to exogenous norepinephrine. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 1417-23	3.7	21
51	Oral atorvastatin therapy increases nitric oxide-dependent cutaneous vasodilation in humans by decreasing ascorbate-sensitive oxidants. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R763-8	3.2	20

50	Historical reviews of the assessment of human cardiovascular function: interrogation and understanding of the control of skin blood flow. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 1-16	3.4	20
49	Sympathetic control of reflex cutaneous vasoconstriction in human aging. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 771-82	3.7	19
48	Systemic low-dose aspirin and clopidogrel independently attenuate reflex cutaneous vasodilation in middle-aged humans. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1575-81	3.7	19
47	Age-specific modification of local cutaneous vasodilation by capsaicin-sensitive primary afferents. <i>Journal of Applied Physiology</i> , <b>2003</b> , 95, 1016-24	3.7	17
46	Impairments in central cardiovascular function contribute to attenuated reflex vasodilation in aged skin. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1411-20	3.7	16
45	Cutaneous microvascular dysfunction correlates with serum LDL and sLOX-1 receptor concentrations. <i>Microvascular Research</i> , <b>2013</b> , 85, 112-7	3.7	15
44	Blunted increases in skin sympathetic nerve activity are related to attenuated reflex vasodilation in aged human skin. <i>Journal of Applied Physiology</i> , <b>2016</b> , 121, 1354-1362	3.7	14
43	Measuring and quantifying skin sympathetic nervous system activity in humans. <i>Journal of Neurophysiology</i> , <b>2017</b> , 118, 2181-2193	3.2	14
42	Four weeks of vitamin D supplementation improves nitric oxide-mediated microvascular function in college-aged African Americans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H906-H914	5.2	14
41	Sympathetic function during whole body cooling is altered in hypertensive adults. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1617-1624	3.7	13
40	Hydration in relation to water insecurity, heat index, and lactation status in two small-scale populations in hot-humid and hot-arid environments. <i>American Journal of Human Biology</i> , <b>2021</b> , 33, e23447	2.7	12
39	Ingestion of transient receptor potential channel agonists attenuates exercise-induced muscle cramps. <i>Muscle and Nerve</i> , <b>2017</b> , 56, 379-385	3.4	11
38	Effects of hormone replacement therapy on hemodynamic responses of postmenopausal women to passive heating. <i>Journal of Applied Physiology</i> , <b>2000</b> , 89, 97-103	3.7	11
37	Acute dairy milk ingestion does not improve nitric oxide-dependent vasodilation in the cutaneous microcirculation. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 204-10	3.6	8
36	Folic acid supplementation increases cutaneous vasodilator sensitivity to sympathetic nerve activity in older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 312, R681-R688	3.2	7
35	Sunscreen or simulated sweat minimizes the impact of acute ultraviolet radiation on cutaneous microvascular function in healthy humans. <i>Experimental Physiology</i> , <b>2019</b> , 104, 1136-1146	2.4	7
34	Examining "race" in physiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H1409-H1413	5.2	7
33	The vitamin D-folate hypothesis in human vascular health. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R491-R501	3.2	7

32	Cognitive performance in relation to hydration status and water intake among older adults, NHANES 2011-2014. <i>European Journal of Nutrition</i> , <b>2020</b> , 59, 3133-3148	5.2	7
31	Drinking water salinity is associated with hypertension and hyperdilute urine among Daasanach pastoralists in Northern Kenya. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 144667	10.2	7
30	Dairy cheese consumption ameliorates single-meal sodium-induced cutaneous microvascular dysfunction by reducing ascorbate-sensitive oxidants in healthy older adults. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 658-65	3.6	7
29	Acute ultraviolet radiation exposure attenuates nitric oxide-mediated vasodilation in the cutaneous microvasculature of healthy humans. <i>Journal of Applied Physiology</i> , <b>2018</b> ,	3.7	7
28	A randomized trial to assess beverage hydration index in healthy older adults. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 1640-1647	7	6
27	Human cardiovascular responses to passive heat stress. <i>Journal of Physiology</i> , <b>2008</b> , 586, 3	3.9	6
26	Psychrometric limits and critical evaporative coefficients for exercising older women. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 263-271	3.7	5
25	Controlled Feeding of an 8-d, High-Dairy Cheese Diet Prevents Sodium-Induced Endothelial Dysfunction in the Cutaneous Microcirculation of Healthy, Older Adults through Reductions in Superoxide. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 55-63	4.1	5
24	Age-related differences in water and sodium handling after commercial hydration beverage ingestion. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 1042-1048	3.7	4
23	Hydration Efficacy of a Milk Permeate-Based Oral Hydration Solution. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
22	Evaluating the 35°C wet-bulb temperature adaptability threshold for young, healthy adults (PSU HEAT).. <i>Journal of Applied Physiology</i> , <b>2021</b> ,	3.7	4
21	Healthy active older adults have enhanced K channel-dependent endothelial vasodilatory mechanisms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 319, R19-R25	3.2	3
20	Critical environmental limits for young, healthy adults (PSU HEAT).. <i>Journal of Applied Physiology</i> , <b>2021</b> ,	3.7	3
19	Metabolism- and sex-dependent critical WBGT limits at rest and during exercise in the heat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R295-R302 <sup>2</sup>	3.2	3
18	Chronic statin therapy is associated with enhanced cutaneous vascular responsiveness to sympathetic outflow during passive heat stress. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4743-4755	3.9	2
17	Validity and Reliability of a Protocol to Establish Human Critical Environmental Limits (PSU HEAT).. <i>Journal of Applied Physiology</i> , <b>2021</b> ,	3.7	2
16	Commentary on Viewpoint: The human cutaneous circulation as a model of generalized microvascular function. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 389-389	3.7	2
15	Temperature regulation during exercise in the heat: Insights for the aging athlete. <i>Journal of Science and Medicine in Sport</i> , <b>2021</b> , 24, 739-746	4.4	2

14	Hydration Is More Important Than Exogenous Carbohydrate Intake During Push-to-the-Finish Cycle Exercise in the Heat. <i>Frontiers in Sports and Active Living</i> , <b>2021</b> , 3, 742710	2.3	1
13	Thermoregulatory reflex control of cutaneous vasodilation in healthy aging. <i>Temperature</i> , <b>2021</b> , 8, 176-187	1.7	1
12	Heat exposure limits for young unacclimatized males and females at low and high humidity.. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2022</b> , 1-15	2.9	1
11	Skin Erythema and Blood Flow Responses to Acute Ultraviolet Radiation Exposure. <i>FASEB Journal</i> , <b>2019</b> , 33, 541.1	0.9	0
10	Cross-cultural variation in thirst perception in hot-humid and hot-arid environments: Evidence from two small-scale populations.. <i>American Journal of Human Biology</i> , <b>2021</b> , e23715	2.7	0
9	Rho kinase-mediated cold-induced vasoconstriction is augmented in aged skin. <i>FASEB Journal</i> , <b>2007</b> , 21, A1298	0.9	
8	Age-Related Differences in Water and Sodium Handling Following Commercial Hydration Beverage Ingestion. <i>FASEB Journal</i> , <b>2019</b> , 33, 851.1	0.9	
7	Rho-kinase mediated vasoconstriction is upregulated in aged skin. <i>FASEB Journal</i> , <b>2009</b> , 23, 777.2	0.9	
6	Localized tyrosine or tetrahydrobiopterin supplementation augments vasoconstriction in aged human skin. <i>FASEB Journal</i> , <b>2010</b> , 24, 991.26	0.9	
5	Tetrahydrobiopterin does not affect end-organ responsiveness to norepinephrine-mediated vasoconstriction in aged skin. <i>FASEB Journal</i> , <b>2010</b> , 24, lb634	0.9	
4	Local tetrahydrobiopterin supplementation augments reflex cutaneous vasodilation in aged human skin. <i>FASEB Journal</i> , <b>2011</b> , 25, 1053.21	0.9	
3	Acute oral sapropterin (Kuvan®) augments NO-dependent reflex vasodilation in aged human skin. <i>FASEB Journal</i> , <b>2013</b> , 27, 1133.12	0.9	
2	Characterization of the cutaneous blood flow-local temperature response through its entire range. <i>FASEB Journal</i> , <b>2013</b> , 27, 1133.14	0.9	
1	Non-Uniform Age-Related Decrements in Regional Sweating and Skin Blood Flow. <i>FASEB Journal</i> , <b>2013</b> , 27, 1133.11	0.9	