

Christopher T Minson

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123
papers

8,666
citations

43
h-index

93
g-index

141
ext. papers

9,591
ext. citations

3.6
avg, IF

6.14
L-index

#	Paper	IF	Citations
123	American College of Sports Medicine position stand. Exercise and physical activity for older adults. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1510-30	1.2	2266
122	Nitric oxide and neurally mediated regulation of skin blood flow during local heating. <i>Journal of Applied Physiology</i> , 2001 , 91, 1619-26	3.7	510
121	Influence of the menstrual cycle on sympathetic activity, baroreflex sensitivity, and vascular transduction in young women. <i>Circulation</i> , 2000 , 101, 862-8	16.7	375
120	Methodological issues in the assessment of skin microvascular endothelial function in humans. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 503-8	13.2	345
119	Heat acclimation improves exercise performance. <i>Journal of Applied Physiology</i> , 2010 , 109, 1140-7	3.7	276
118	Cutaneous vasodilator and vasoconstrictor mechanisms in temperature regulation. <i>Comprehensive Physiology</i> , 2014 , 4, 33-89	7.7	224
117	Impact of shear rate modulation on vascular function in humans. <i>Hypertension</i> , 2009 , 54, 278-85	8.5	221
116	Decreased nitric oxide- and axon reflex-mediated cutaneous vasodilation with age during local heating. <i>Journal of Applied Physiology</i> , 2002 , 93, 1644-9	3.7	203
115	Age alters the cardiovascular response to direct passive heating. <i>Journal of Applied Physiology</i> , 1998 , 84, 1323-32	3.7	184
114	Mechanisms of acetylcholine-mediated vasodilatation in young and aged human skin. <i>Journal of Physiology</i> , 2005 , 563, 965-73	3.9	168
113	Thermal provocation to evaluate microvascular reactivity in human skin. <i>Journal of Applied Physiology</i> , 2010 , 109, 1239-46	3.7	146
112	Passive heat therapy improves endothelial function, arterial stiffness and blood pressure in sedentary humans. <i>Journal of Physiology</i> , 2016 , 594, 5329-42	3.9	142
111	Obesity and adipokines: effects on sympathetic overactivity. <i>Journal of Physiology</i> , 2012 , 590, 1787-801	3.9	139
110	Nitric oxide synthase inhibition does not alter the reactive hyperemic response in the cutaneous circulation. <i>Journal of Applied Physiology</i> , 2003 , 95, 504-10	3.7	133
109	Effect of systemic nitric oxide synthase inhibition on postexercise hypotension in humans. <i>Journal of Applied Physiology</i> , 2000 , 89, 1830-6	3.7	125
108	Human cutaneous reactive hyperaemia: role of BKCa channels and sensory nerves. <i>Journal of Physiology</i> , 2007 , 585, 295-303	3.9	122
107	Prostanoids contribute to cutaneous active vasodilation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R596-602	3.2	119

106	Effect of hypoxia on arterial baroreflex control of heart rate and muscle sympathetic nerve activity in humans. <i>Journal of Applied Physiology</i> , 2002 , 93, 857-64	3.7	112
105	Nitric oxide and attenuated reflex cutaneous vasodilation in aged skin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1662-7	5.2	111
104	Effects of regional phentolamine on hypoxic vasodilatation in healthy humans. <i>Journal of Physiology</i> , 2001 , 537, 613-21	3.9	106
103	Sympathetic activity and baroreflex sensitivity in young women taking oral contraceptives. <i>Circulation</i> , 2000 , 102, 1473-6	16.7	98
102	Effects of atropine and L-NAME on cutaneous blood flow during body heating in humans. <i>Journal of Applied Physiology</i> , 2000 , 88, 467-72	3.7	97
101	KCa channels and epoxyeicosatrienoic acids: major contributors to thermal hyperaemia in human skin. <i>Journal of Physiology</i> , 2012 , 590, 3523-34	3.9	94
100	Heat acclimation improves cutaneous vascular function and sweating in trained cyclists. <i>Journal of Applied Physiology</i> , 2010 , 109, 1736-43	3.7	94
99	Nitric oxide and noradrenaline contribute to the temperature threshold of the axon reflex response to gradual local heating in human skin. <i>Journal of Physiology</i> , 2006 , 572, 811-20	3.9	92
98	Measurement of limb venous compliance in humans: technical considerations and physiological findings. <i>Journal of Applied Physiology</i> , 1999 , 87, 1555-63	3.7	90
97	H1 but not H2 histamine receptor activation contributes to the rise in skin blood flow during whole body heating in humans. <i>Journal of Physiology</i> , 2004 , 560, 941-8	3.9	82
96	Passive heat therapy improves cutaneous microvascular function in sedentary humans via improved nitric oxide-dependent dilation. <i>Journal of Applied Physiology</i> , 2016 , 121, 716-23	3.7	73
95	The cardiovascular system after exercise. <i>Journal of Applied Physiology</i> , 2017 , 122, 925-932	3.7	69
94	Ovarian cycle and sympathoexcitation in premenopausal women. <i>Hypertension</i> , 2013 , 61, 395-9	8.5	68
93	Cutaneous neuronal nitric oxide is specifically decreased in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H2161-7	5.2	67
92	Systemic hypoxia causes cutaneous vasodilation in healthy humans. <i>Journal of Applied Physiology</i> , 2007 , 103, 608-15	3.7	62
91	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, 277-83	3.7	61
90	Impaired skin blood flow response to environmental heating in chronic heart failure. <i>European Heart Journal</i> , 2006 , 27, 338-43	9.5	61
89	Neurokinin-1 receptor desensitization attenuates cutaneous active vasodilatation in humans. <i>Journal of Physiology</i> , 2006 , 577, 1043-51	3.9	59

88	Decreased microvascular nitric oxide-dependent vasodilation in postural tachycardia syndrome. <i>Circulation</i> , 2005 , 112, 2611-8	16.7	59
87	Menstrual cycle and sex affect hemodynamic responses to combined orthostatic and heat stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H631-42	5.2	57
86	Regional hemodynamics during postexercise hypotension. II. Cutaneous circulation. <i>Journal of Applied Physiology</i> , 2004 , 97, 2071-6	3.7	56
85	Mechanisms of vasoactive intestinal peptide-mediated vasodilation in human skin. <i>Journal of Applied Physiology</i> , 2004 , 97, 1291-8	3.7	56
84	Local hyperemia to heating is impaired in secondary Raynaud's phenomenon. <i>Arthritis Research and Therapy</i> , 2005 , 7, R1103-12	5.7	54
83	Nitric oxide is not permissive for cutaneous active vasodilatation in humans. <i>Journal of Physiology</i> , 2003 , 548, 963-9	3.9	50
82	Heat acclimation and cross tolerance to hypoxia: Bridging the gap between cellular and systemic responses. <i>Temperature</i> , 2014 , 1, 107-14	5.2	43
81	Oral Contraceptive Use, Muscle Sympathetic Nerve Activity, and Systemic Hemodynamics in Young Women. <i>Hypertension</i> , 2015 , 66, 590-7	8.5	41
80	beta-Receptor agonist activity of phenylephrine in the human forearm. <i>Journal of Applied Physiology</i> , 2001 , 90, 1855-9	3.7	41
79	Heat stress and dehydration in adapting for performance: Good, bad, both, or neither?. <i>Temperature</i> , 2016 , 3, 412-436	5.2	41
78	Reduced submaximal leg blood flow after high-intensity aerobic training. <i>Journal of Applied Physiology</i> , 2001 , 91, 2619-27	3.7	40
77	No independent, but an interactive, role of calcium-activated potassium channels in human cutaneous active vasodilation. <i>Journal of Applied Physiology</i> , 2013 , 115, 1290-6	3.7	38
76	Impaired acetylcholine-induced cutaneous vasodilation in young smokers: roles of nitric oxide and prostanoids. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H667-73	5.2	33
75	17 β -Estradiol and progesterone independently augment cutaneous thermal hyperemia but not reactive hyperemia. <i>Microcirculation</i> , 2011 , 18, 347-55	2.9	33
74	Fluid replacement and heat stress during exercise alter post-exercise cardiac haemodynamics in endurance exercise-trained men. <i>Journal of Physiology</i> , 2009 , 587, 3605-17	3.9	31
73	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	3.9	30
72	Neurokinin-1 receptor desensitization to consecutive microdialysis infusions of substance P in human skin. <i>Journal of Physiology</i> , 2005 , 568, 1047-56	3.9	30
71	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	3.2	28

70	Ethinyl estradiol-to-desogestrel ratio impacts endothelial function in young women. <i>Contraception</i> , 2009 , 79, 41-9	2.5	27
69	CrossTalk proposal: Heat acclimatization does improve performance in a cool condition. <i>Journal of Physiology</i> , 2016 , 594, 241-3	3.9	27
68	Endothelial-derived hyperpolarization contributes to acetylcholine-mediated vasodilation in human skin in a dose-dependent manner. <i>Journal of Applied Physiology</i> , 2015 , 119, 1015-22	3.7	26
67	A combined oral contraceptive containing 30 mcg ethinyl estradiol and 3.0 mg drospirenone does not impair endothelium-dependent vasodilation. <i>Contraception</i> , 2010 , 82, 366-72	2.5	26
66	Lactate threshold predicting time-trial performance: impact of heat and acclimation. <i>Journal of Applied Physiology</i> , 2011 , 111, 221-7	3.7	25
65	Altered thermal hyperaemia in human skin by prior desensitization of neurokinin-1 receptors. <i>Experimental Physiology</i> , 2011 , 96, 599-609	2.4	25
64	Effect of functional electrostimulation on impaired skin vasodilator responses to local heating in spinal cord injury. <i>Journal of Applied Physiology</i> , 2009 , 106, 1065-71	3.7	25
63	Vasoactive intestinal peptide fragment VIP10-28 and active vasodilation in human skin. <i>Journal of Applied Physiology</i> , 2005 , 99, 2294-301	3.7	24
62	Minimal role for H1 and H2 histamine receptors in cutaneous thermal hyperemia to local heating in humans. <i>Journal of Applied Physiology</i> , 2006 , 100, 535-40	3.7	23
61	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, H1507-11	5.2	21
60	Influence of progestin bioactivity on cutaneous vascular responses to passive heating. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 45-51; discussion 52	1.2	20
59	Cardiovascular regulation during combined hypoxic and orthostatic stress: fainters vs. nonfainters. <i>Journal of Applied Physiology</i> , 2005 , 98, 1050-6	3.7	20
58	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	3.2	19
57	Meta-inflammation and cardiometabolic disease in obesity: Can heat therapy help?. <i>Temperature</i> , 2018 , 5, 9-21	5.2	18
56	Cutaneous vascular and core temperature responses to sustained cold exposure in hypoxia. <i>Experimental Physiology</i> , 2011 , 96, 1062-71	2.4	18
55	Cutaneous vascular responses to isometric handgrip exercise during local heating and hyperthermia. <i>Journal of Applied Physiology</i> , 2005 , 98, 2011-8	3.7	18
54	Nitroxide pharmaceutical development for age-related degeneration and disease. <i>Frontiers in Genetics</i> , 2015 , 6, 325	4.5	17
53	Depot-medroxyprogesterone acetate and endothelial function before and after acute oral, vaginal, and transdermal estradiol treatment. <i>Hypertension</i> , 2011 , 57, 819-24	8.5	16

52	Hypoxic cutaneous vasodilation is sustained during brief cold stress and is not affected by changes in CO ₂ . <i>Journal of Applied Physiology</i> , 2010 , 108, 788-92	3.7	15
51	Heat therapy improves glucose tolerance and adipose tissue insulin signaling in polycystic ovary syndrome. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E172-E182	6	14
50	Measures of vascular reactivity: prognostic crystal ball or Pandora's box?. <i>Journal of Applied Physiology</i> , 2008 , 105, 398-9	3.7	14
49	Characteristics of scheduled bleeding manipulation with combined hormonal contraception in university students. <i>Contraception</i> , 2013 , 88, 426-30	2.5	13
48	Administration of prostacyclin modulates cutaneous blood flow but not sweating in young and older males: roles for nitric oxide and calcium-activated potassium channels. <i>Journal of Physiology</i> , 2016 , 594, 6419-6429	3.9	13
47	Does Short-Duration Heat Exposure at a Matched Cardiovascular Intensity Improve Intermittent-Running Performance in a Cool Environment?. <i>International Journal of Sports Physiology and Performance</i> , 2017 , 12, 812-818	3.5	12
46	Physiological Responses to Overdressing and Exercise-Heat Stress in Trained Runners. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1285-1296	1.2	12
45	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, R1081-7	3.2	12
44	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	5.2	10
43	Heat therapy: mechanistic underpinnings and applications to cardiovascular health. <i>Journal of Applied Physiology</i> , 2021 , 130, 1684-1704	3.7	8
42	Cutaneous active vasodilation as a heat loss thermoeffector. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 156, 193-209	3	7
41	Ten days of repeated local forearm heating does not affect cutaneous vascular function. <i>Journal of Applied Physiology</i> , 2017 , 123, 310-316	3.7	6
40	Endothelial function, endothelin-1, and fibrinogen in young women using the vaginal contraceptive ring. <i>Fertility and Sterility</i> , 2009 , 92, 441-7	4.8	6
39	Hemodynamics of post-exercise vs. post hot water immersion recovery. <i>Journal of Applied Physiology</i> , 2021 ,	3.7	6
38	How to investigate skin endothelial dysfunction in diabetes. <i>Journal of Diabetes and Its Complications</i> , 2006 , 20, 133-4; author reply 134-5	3.2	5
37	Can targeting glutamate receptors with long-term heat acclimation improve outcomes following hypoxic injury?. <i>Temperature</i> , 2015 , 2, 51-2	5.2	4
36	Comments on Women, hormones, and clinical trials: a beginning, not an end. <i>Journal of Applied Physiology</i> , 2006 , 100, 373	3.7	4
35	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020 , 129, 1122-1135	3.7	4

34	Effect of Time of Day on Sustained Postexercise Vasodilation Following Small Muscle-Mass Exercise in Humans. <i>Frontiers in Physiology</i> , 2019 , 10, 762	4.6	3
33	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	3.9	2
32	Response to roles of sex steroid hormones and nitric oxide in the regulation of sympathetic nerve activity in women. <i>Hypertension</i> , 2013 , 61, e37	8.5	2
31	Histamine-Receptor Antagonists Slow 10-km Cycling Performance in Competitive Cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1487-1497	1.2	2
30	Heat Acclimation 2018 , 33-58		1
29	Thermoregulatory Considerations for the Performance of Exercise in SCI 2016 , 127-160		1
28			
27	Thermal pleasure inside solar screened spaces: an experimental study to explore alliesthesia in architecture. <i>Building Research and Information</i> , 2021 , 49, 795-812	4.3	1
26	Rebuttal by Christopher T. Minson and James D. Cotter. <i>Journal of Physiology</i> , 2016 , 594, 249	3.9	1
25	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	3.9	1
24	Hot water immersion; potential to improve intermittent running performance and perception of in-game running ability in semi-professional Australian Rules Footballers?. <i>PLoS ONE</i> , 2022 , 17, e0263752	3.7	1
23	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	3.2	0
22	Occupational heat exposure and the risk of chronic kidney disease of nontraditional origin in the United States. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 321, R141-R151	3.2	0
21	Reflex control of the circulation. <i>Advances in Molecular and Cell Biology</i> , 2004 , 34, 147-166		
20	The impact of elevated body core temperature on critical power as determined by a 3-min all-out test. <i>Journal of Applied Physiology</i> , 2021 , 131, 1543-1551	3.7	
19	Effects of estradiol and medroxyprogesterone acetate on flow mediated dilation in young women. <i>FASEB Journal</i> , 2006 , 20, A301	0.9	
18	Levonorgestrel/estradiol oral contraceptives affect brachial artery peak response during flow-mediated dilation. <i>FASEB Journal</i> , 2006 , 20, A301	0.9	
17	The effect of isocapnic hypoxia on reflex cutaneous vasoconstriction. <i>FASEB Journal</i> , 2008 , 22, 956.13	0.9	

- 16 Histamine-Receptor Antagonists Affect Endurance Exercise Performance in Highly Competitive Cyclists. *FASEB Journal*, **2018**, 32, 723.2 0.9
- 15 Heat Therapy Decreases Adipose Tissue Inflammation and Improves Insulin Signaling in Polycystic Ovary Syndrome. *FASEB Journal*, **2018**, 32, 853.10 0.9
- 14 Effect Of Cold Water Immersion On Skin Temperature. *Medicine and Science in Sports and Exercise*, **2018**, 50, 802 1.2
- 13 Blood Pressure and Brachial Shear Patterns During Recovery from Exercise versus Passive Heat Stress. *FASEB Journal*, **2019**, 33, 541.12 0.9
- 12 Heat acclimation induces peripheral modifications in cutaneous vascular function in humans. *FASEB Journal*, **2010**, 24, 991.12 0.9
- 11 Influence of progesterone and estradiol on cardiovagal baroreflex sensitivity in young healthy women. *FASEB Journal*, **2010**, 24, 1020.3 0.9
- 10 Progesterone administration antagonizes the effect of estradiol on endothelium-dependent vasodilation in young healthy women. *FASEB Journal*, **2010**, 24, 1041.22 0.9
- 9 Heat acclimation improves central cardiac function and performance variables in cool environments. *FASEB Journal*, **2010**, 24, 991.11 0.9
- 8 Impact of sex hormones on cutaneous neurovascular responses in humans. *FASEB Journal*, **2010**, 24, 991.23 0.9
- 7 Comparison of cardiovagal baroreflex sensitivity analysis techniques in young healthy women. *FASEB Journal*, **2011**, 25, 1060.1 0.9
- 6 Menstrual cycle and sympathetic neural activity in humans: A retrospective study. *FASEB Journal*, **2012**, 26, 1091.41 0.9
- 5 Changes in peripheral but not central pulse wave velocity with estradiol administration is positively correlated with muscle sympathetic nerve activity. *FASEB Journal*, **2012**, 26, 1091.78 0.9
- 4 KCa channels and EETs: major contributors to cutaneous thermal hyperemia. *FASEB Journal*, **2012**, 26, 1079.10 0.9
- 3 A complex interplay between NO, EDHFs, and KIR channels in cutaneous active vasodilation. *FASEB Journal*, **2013**, 27, 1133.16 0.9
- 2 EDHFs contribute to ACh-mediated vasodilation in human skin in a dose-dependent manner. *FASEB Journal*, **2013**, 27, 687.9 0.9
- 1 Flow-mediated dilation responses to exogenous testosterone administration in healthy males. *FASEB Journal*, **2013**, 27, 1196.8 0.9