Christopher T Minson

List of Publications by Year in descending order

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137 papers 10,837 citations

45 h-index

53751

101 g-index

141 all docs

141 docs citations

141 times ranked 9309 citing authors

#	Article	IF	CITATIONS
1	Exercise and Physical Activity for Older Adults. Medicine and Science in Sports and Exercise, 2009, 41, 1510-1530.	0.2	3,129
2	Nitric oxide and neurally mediated regulation of skin blood flow during local heating. Journal of Applied Physiology, 2001, 91, 1619-1626.	1.2	586
3	Influence of the Menstrual Cycle on Sympathetic Activity, Baroreflex Sensitivity, and Vascular Transduction in Young Women. Circulation, 2000, 101, 862-868.	1.6	424
4	Methodological issues in the assessment of skin microvascular endothelial function in humans. Trends in Pharmacological Sciences, 2006, 27, 503-508.	4.0	395
5	Heat acclimation improves exercise performance. Journal of Applied Physiology, 2010, 109, 1140-1147.	1.2	337
6	Cutaneous Vasodilator and Vasoconstrictor Mechanisms in Temperature Regulation., 2014, 4, 33-89.		303
7	Impact of Shear Rate Modulation on Vascular Function in Humans. Hypertension, 2009, 54, 278-285.	1.3	257
8	Decreased nitric oxide- and axon reflex-mediated cutaneous vasodilation with age during local heating. Journal of Applied Physiology, 2002, 93, 1644-1649.	1.2	231
9	Age alters the cardiovascular response to direct passive heating. Journal of Applied Physiology, 1998, 84, 1323-1332.	1.2	215
10	Passive heat therapy improves endothelial function, arterial stiffness and blood pressure in sedentary humans. Journal of Physiology, 2016, 594, 5329-5342.	1.3	198
11	Mechanisms of acetylcholine-mediated vasodilatation in young and aged human skin. Journal of Physiology, 2005, 563, 965-973.	1.3	190
12	Thermal provocation to evaluate microvascular reactivity in human skin. Journal of Applied Physiology, 2010, 109, 1239-1246.	1.2	174
13	Obesity and adipokines: effects on sympathetic overactivity. Journal of Physiology, 2012, 590, 1787-1801.	1.3	173
14	Nitric oxide synthase inhibition does not alter the reactive hyperemic response in the cutaneous circulation. Journal of Applied Physiology, 2003, 95, 504-510.	1.2	146
15	Sex and gender: what is the difference?. Journal of Applied Physiology, 2005, 99, 785-787.	1.2	146
16	Human cutaneous reactive hyperaemia: role of BK _{Ca} channels and sensory nerves. Journal of Physiology, 2007, 585, 295-303.	1.3	143
17	Effect of systemic nitric oxide synthase inhibition on postexercise hypotension in humans. Journal of Applied Physiology, 2000, 89, 1830-1836.	1.2	140
18	Prostanoids contribute to cutaneous active vasodilation in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R596-R602.	0.9	136

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19	Effect of hypoxia on arterial baroreflex control of heart rate and muscle sympathetic nerve activity in humans. Journal of Applied Physiology, 2002, 93, 857-864.	1.2	133
20	Nitric oxide and attenuated reflex cutaneous vasodilation in aged skin. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1662-H1667.	1.5	123
21	Effects of regional phentolamine on hypoxic vasodilatation in healthy humans. Journal of Physiology, 2001, 537, 613-621.	1.3	115
22	Sympathetic Activity and Baroreflex Sensitivity in Young Women Taking Oral Contraceptives. Circulation, 2000, 102, 1473-1476.	1.6	113
23	The cardiovascular system after exercise. Journal of Applied Physiology, 2017, 122, 925-932.	1.2	112
24	Measurement of limb venous compliance in humans: technical considerations and physiological findings. Journal of Applied Physiology, 1999, 87, 1555-1563.	1.2	110
25	KCa channels and epoxyeicosatrienoic acids: major contributors to thermal hyperaemia in human skin. Journal of Physiology, 2012, 590, 3523-3534.	1.3	109
26	Heat acclimation improves cutaneous vascular function and sweating in trained cyclists. Journal of Applied Physiology, 2010, 109, 1736-1743.	1.2	107
27	Effects of atropine and <scp>I</scp> -NAME on cutaneous blood flow during body heating in humans. Journal of Applied Physiology, 2000, 88, 467-472.	1.2	105
28	Nitric oxide and noradrenaline contribute to the temperature threshold of the axon reflex response to gradual local heating in human skin. Journal of Physiology, 2006, 572, 811-820.	1.3	100
29	Passive heat therapy improves cutaneous microvascular function in sedentary humans via improved nitric oxide-dependent dilation. Journal of Applied Physiology, 2016, 121, 716-723.	1.2	100
30	H1 but not H2 histamine receptor activation contributes to the rise in skin blood flow during whole body heating in humans. Journal of Physiology, 2004, 560, 941-948.	1.3	89
31	New approach to measure cutaneous microvascular function: an improved test of NO-mediated vasodilation by thermal hyperemia. Journal of Applied Physiology, 2014, 117, 277-283.	1.2	84
32	Ovarian Cycle and Sympathoexcitation in Premenopausal Women. Hypertension, 2013, 61, 395-399.	1.3	78
33	Cutaneous neuronal nitric oxide is specifically decreased in postural tachycardia syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2161-H2167.	1.5	75
34	Impaired skin blood flow response to environmental heating in chronic heart failure. European Heart Journal, 2006, 27, 338-343.	1.0	72
35	Systemic hypoxia causes cutaneous vasodilation in healthy humans. Journal of Applied Physiology, 2007, 103, 608-615.	1.2	69
36	Neurokinin-1 receptor desensitization attenuates cutaneous active vasodilatation in humans. Journal of Physiology, 2006, 577, 1043-1051.	1.3	67

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37	Menstrual cycle and sex affect hemodynamic responses to combined orthostatic and heat stress. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H631-H642.	1.5	66
38	Decreased Microvascular Nitric Oxide–Dependent Vasodilation in Postural Tachycardia Syndrome. Circulation, 2005, 112, 2611-2618.	1.6	66
39	Mechanisms of vasoactive intestinal peptide-mediated vasodilation in human skin. Journal of Applied Physiology, 2004, 97, 1291-1298.	1.2	61
40	Local hyperemia to heating is impaired in secondary Raynaud's phenomenon. Arthritis Research and Therapy, 2005, 7, R1103.	1.6	61
41	Regional hemodynamics during postexercise hypotension. II. Cutaneous circulation. Journal of Applied Physiology, 2004, 97, 2071-2076.	1.2	60
42	Heat stress and dehydration in adapting for performance: Good, bad, both, or neither?. Temperature, 2016, 3, 412-436.	1.6	57
43	Heat acclimation and cross tolerance to hypoxia. Temperature, 2014, 1, 107-114.	1.6	56
44	Nitric oxide is not permissive for cutaneous active vasodilatation in humans. Journal of Physiology, 2003, 548, 963-969.	1.3	54
45	Oral Contraceptive Use, Muscle Sympathetic Nerve Activity, and Systemic Hemodynamics in Young Women. Hypertension, 2015, 66, 590-597.	1.3	51
46	Passive heat therapy protects against endothelial cell hypoxiaâ€reoxygenation via effects of elevations in temperature and circulating factors. Journal of Physiology, 2018, 596, 4831-4845.	1.3	49
47	\hat{l}^2 -Receptor agonist activity of phenylephrine in the human forearm. Journal of Applied Physiology, 2001, 90, 1855-1859.	1.2	46
48	Reduced submaximal leg blood flow after high-intensity aerobic training. Journal of Applied Physiology, 2001, 91, 2619-2627.	1.2	45
49	Acute hot water immersion is protective against impaired vascular function following forearm ischemia-reperfusion in young healthy humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1060-R1067.	0.9	41
50	No independent, but an interactive, role of calcium-activated potassium channels in human cutaneous active vasodilation. Journal of Applied Physiology, 2013, 115, 1290-1296.	1.2	40
51	$17\hat{l}^2$ -Estradiol and Progesterone Independently Augment Cutaneous Thermal Hyperemia But Not Reactive Hyperemia. Microcirculation, 2011, 18, 347-355.	1.0	39
52	Heat therapy reduces sympathetic activity and improves cardiovascular risk profile in women who are obese with polycystic ovary syndrome. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R630-R640.	0.9	38
53	Fluid replacement and heat stress during exercise alter postâ€exercise cardiac haemodynamics in endurance exerciseâ€trained men. Journal of Physiology, 2009, 587, 3605-3617.	1.3	37
54	Cutaneous thermal hyperemia: more than skin deep. Journal of Applied Physiology, 2011, 111, 5-7.	1.2	37

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55	Impaired acetylcholine-induced cutaneous vasodilation in young smokers: roles of nitric oxide and prostanoids. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H667-H673.	1.5	35
56	Neurokinin-1 receptor desensitization to consecutive microdialysis infusions of substance P in human skin. Journal of Physiology, 2005, 568, 1047-1056.	1.3	34
57	Heat therapy improves glucose tolerance and adipose tissue insulin signaling in polycystic ovary syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E172-E182.	1.8	34
58	Heat therapy: mechanistic underpinnings and applications to cardiovascular health. Journal of Applied Physiology, 2021, 130, 1684-1704.	1.2	33
59	Ethinyl estradiol-to-desogestrel ratio impacts endothelial function in young women. Contraception, 2009, 79, 41-49.	0.8	32
60	CrossTalk proposal: Heat acclimatization does improve performance in a cool condition. Journal of Physiology, 2016, 594, 241-243.	1.3	30
61	Lactate threshold predicting time-trial performance: impact of heat and acclimation. Journal of Applied Physiology, 2011, 111, 221-227.	1.2	29
62	Vasoactive intestinal peptide fragment VIP10–28 and active vasodilation in human skin. Journal of Applied Physiology, 2005, 99, 2294-2301.	1.2	28
63	A combined oral contraceptive containing 30 mcg ethinyl estradiol and 3.0 mg drospirenone does not impair endothelium-dependent vasodilation. Contraception, 2010, 82, 366-372.	0.8	28
64	Altered thermal hyperaemia in human skin by prior desensitization of neurokinin-1 receptors. Experimental Physiology, 2011, 96, 599-609.	0.9	28
65	Endothelial-derived hyperpolarization contributes to acetylcholine-mediated vasodilation in human skin in a dose-dependent manner. Journal of Applied Physiology, 2015, 119, 1015-1022.	1.2	28
66	Tempol improves cutaneous thermal hyperemia through increasing nitric oxide bioavailability in young smokers. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1507-H1511.	1.5	27
67	Meta-inflammation and cardiometabolic disease in obesity: Can heat therapy help?. Temperature, 2018, 5, 9-21.	1.6	27
68	Occupational heat exposure and the risk of chronic kidney disease of nontraditional origin in the United States. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R141-R151.	0.9	27
69	Sex Differences in VO2max and the Impact on Endurance-Exercise Performance. International Journal of Environmental Research and Public Health, 2022, 19, 4946.	1.2	27
70	Influence of Progestin Bioactivity on Cutaneous Vascular Responses to Passive Heating. Medicine and Science in Sports and Exercise, 2005, 37, 45-51.	0.2	25
71	Effect of functional electrostimulation on impaired skin vasodilator responses to local heating in spinal cord injury. Journal of Applied Physiology, 2009, 106, 1065-1071.	1.2	25
72	Minimal role for H1 and H2 histamine receptors in cutaneous thermal hyperemia to local heating in humans. Journal of Applied Physiology, 2006, 100, 535-540.	1.2	24

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73	Nitroxide pharmaceutical development for age-related degeneration and disease. Frontiers in Genetics, 2015, 6, 325.	1.1	23
74	Cardiovagal regulation during combined hypoxic and orthostatic stress: fainters vs. nonfainters. Journal of Applied Physiology, 2005, 98, 1050-1056.	1.2	21
75	Cutaneous vascular responses to isometric handgrip exercise during local heating and hyperthermia. Journal of Applied Physiology, 2005, 98, 2011-2018.	1.2	21
76	Serum from young, sedentary adults who underwent passive heat therapy improves endothelial cell angiogenesis via improved nitric oxide bioavailability. Temperature, 2019, 6, 169-178.	1.6	21
77	Cutaneous vascular and core temperature responses to sustained cold exposure in hypoxia. Experimental Physiology, 2011, 96, 1062-1071.	0.9	20
78	Physiological Responses to Overdressing and Exercise-Heat Stress in Trained Runners. Medicine and Science in Sports and Exercise, 2018, 50, 1285-1296.	0.2	18
79	Hypoxic cutaneous vasodilation is sustained during brief cold stress and is not affected by changes in CO ₂ . Journal of Applied Physiology, 2010, 108, 788-792.	1.2	17
80	Depot-Medroxyprogesterone Acetate and Endothelial Function Before and After Acute Oral, Vaginal, and Transdermal Estradiol Treatment. Hypertension, 2011, 57, 819-824.	1.3	16
81	Characteristics of scheduled bleeding manipulation with combined hormonal contraception in university students. Contraception, 2013, 88, 426-430.	0.8	15
82	Cutaneous active vasodilation as a heat loss thermoeffector. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 156, 193-209.	1.0	15
83	Measures of vascular reactivity: prognostic crystal ball or Pandora's box?. Journal of Applied Physiology, 2008, 105, 398-399.	1.2	14
84	Administration of prostacyclin modulates cutaneous blood flow but not sweating in young and older males: roles for nitric oxide and calciumâ€activated potassium channels. Journal of Physiology, 2016, 594, 6419-6429.	1.3	14
85	Does Short-Duration Heat Exposure at a Matched Cardiovascular Intensity Improve Intermittent-Running Performance in a Cool Environment?. International Journal of Sports Physiology and Performance, 2017, 12, 812-818.	1.1	13
86	Cutaneous blood flow during intradermal NO administration in young and older adults: roles for calcium-activated potassium channels and cyclooxygenase?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1081-R1087.	0.9	12
87	Hemodynamics of postexercise versus post-hot water immersion recovery. Journal of Applied Physiology, 2021, 130, 1362-1372.	1.2	12
88	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. Journal of Applied Physiology, 2020, 129, 1122-1135.	1.2	8
89	Ten days of repeated local forearm heating does not affect cutaneous vascular function. Journal of Applied Physiology, 2017, 123, 310-316.	1.2	7
90	How to investigate skin endothelial dysfunction in diabetes. Journal of Diabetes and Its Complications, 2006, 20, 133-134.	1.2	6

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91	Endothelial function, endothelin-1, and fibrinogen in young women using the vaginal contraceptive ring. Fertility and Sterility, 2009, 92, 441-447.	0.5	6
92	Histamine-Receptor Antagonists Slow 10-km Cycling Performance in Competitive Cyclists. Medicine and Science in Sports and Exercise, 2019, 51, 1487-1497.	0.2	6
93	Comments on Women, hormones, and clinical trials: a beginning, not an end. Journal of Applied Physiology, 2006, 100, 373-373.	1.2	5
94	Can targeting glutamate receptors with long-term heat acclimation improve outcomes following hypoxic injury?. Temperature, 2015, 2, 51-52.	1.6	5
95	Effect of Time of Day on Sustained Postexercise Vasodilation Following Small Muscle-Mass Exercise in Humans. Frontiers in Physiology, 2019, 10, 762.	1.3	5
96	Thermal pleasure inside solar screened spaces: an experimental study to explore alliesthesia in architecture. Building Research and Information, 2021, 49, 795-812.	2.0	5
97	Reply from Vienna E. Brunt, Matthew J. Howard, Michael A. Francisco, Brett R. Ely and Christopher T. Minson. Journal of Physiology, 2017, 595, 3669-3670.	1.3	3
98	Hot water immersion; potential to improve intermittent running performance and perception of in-game running ability in semi-professional Australian Rules Footballers?. PLoS ONE, 2022, 17, e0263752.	1.1	3
99	Response to Roles of Sex Steroid Hormones and Nitric Oxide in the Regulation of Sympathetic Nerve Activity in Women. Hypertension, 2013, 61, e37.	1.3	2
100	Rebuttal by Christopher T. Minson and James D. Cotter. Journal of Physiology, 2016, 594, 249-249.	1.3	2
101	Heat Acclimation. , 2018, , 33-58.		2
102	Thermoregulatory Considerations for the Performance of Exercise in SCI., 2016, , 127-160.		2
103	Brachial and carotid hemodynamic response to hot water immersion in men and women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R823-R832.	0.9	2
104	The impact of elevated body core temperature on critical power as determined by a 3-min all-out test. Journal of Applied Physiology, 2021, 131, 1543-1551.	1.2	2
105	The effect of local passive heating on skeletal muscle histamine concentration: implications for exercise-induced histamine release. Journal of Applied Physiology, 2022, 132, 367-374.	1.2	2
106	<i>Physiology's</i> Impact: Exploring the Mysteries of Life. Physiology, 2013, 28, 272-273.	1.6	1
107	Reply from Vienna E. Brunt, Matthew J. Howard, Michael A. Francisco, Brett R. Ely and Christopher T. Minson. Journal of Physiology, 2016, 594, 7143-7144.	1.3	1
108	Thermoregulatory and Cardiovascular Adjustments to Acute Passive Heat Exposure in Low-level Spinal Cord Injury., 0, 32, 722.7.		1

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109	Reflex control of the circulation. Advances in Molecular and Cell Biology, 2004, 34, 147-166.	0.1	О
110	Cholinergic nerve contribution to cutaneous active vasodilation in response to exercise heatâ€loading is similar to passive wholeâ€body heatâ€loading. FASEB Journal, 2021, 35, .	0.2	0
111	A Role for Histamine in Active Vasodilation. Medicine and Science in Sports and Exercise, 2004, 36, S38.	0.2	О
112	Effects of estradiol and medroxyprogesterone acetate on flow mediated dilation in young women. FASEB Journal, 2006, 20, A301.	0.2	0
113	Levonorgestrel/estradiol oral contraceptives affect brachial artery peak response during flowâ€mediated dilation. FASEB Journal, 2006, 20, A301.	0.2	0
114	The effect of isocapnic hypoxia on reflex cutaneous vasoconstriction. FASEB Journal, 2008, 22, 956.13.	0.2	0
115	Evidence for NKâ€1 Receptors in the Thermal Hyperemic Response in Human Skin. FASEB Journal, 2008, 22, .	0.2	0
116	Microvascular Measures. Medicine and Science in Sports and Exercise, 2009, 41, 71.	0.2	0
117	Does Hypoxia Affect Post-junctional Vasoconstrictor Responsiveness In Human Skin?. Medicine and Science in Sports and Exercise, 2009, 41, 38.	0.2	O
118	Does Functional Electro-stimulation Reverse Impaired Skin Microcirculatory Function In Spinal Cord Injury. Medicine and Science in Sports and Exercise, 2009, 41, 152.	0.2	0
119	Heat acclimation induces peripheral modifications in cutaneous vascular function in humans. FASEB Journal, 2010, 24, 991.12.	0.2	O
120	Influence of progesterone and estradiol on cardiovagal baroreflex sensitivity in young healthy women. FASEB Journal, 2010, 24, 1020.3.	0.2	0
121	Progesterone administration antagonizes the effect of estradiol on endotheliumâ€dependent vasodilation in young healthy women. FASEB Journal, 2010, 24, 1041.22.	0.2	O
122	Heat acclimation improves central cardiac function and performance variables in cool environments. FASEB Journal, 2010, 24, 991.11.	0.2	0
123	Impact of sex hormones on cutaneous neurovascular responses in humans. FASEB Journal, 2010, 24, 991.23.	0.2	O
124	Comparison of cardiovagal baroreflex sensitivity analysis techniques in young healthy women. FASEB Journal, 2011, 25, 1060.1.	0.2	0
125	Menstrual cycle and sympathetic neural activity in humans: A retrospective study. FASEB Journal, 2012, 26, 1091.41.	0.2	0
126	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.	0.2	0

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127	KCa channels and EETs: major contributors to cutaneous thermal hyperemia. FASEB Journal, 2012, 26, 1079.10.	0.2	0
128	A complex interplay between NO, EDHFs, and KIR channels in cutaneous active vasodilation. FASEB Journal, 2013, 27, 1133.16.	0.2	0
129	EDHFs contribute to AChâ€mediated vasodilation in human skin in a doseâ€dependent manner. FASEB Journal, 2013, 27, 687.9.	0.2	0
130	A novel look at KIR channels and potassium in human skin. FASEB Journal, 2013, 27, .	0.2	0
131	Flowâ€mediated dilation responses to exogenous testosterone administration in healthy males. FASEB Journal, 2013, 27, 1196.8.	0.2	0
132	Thermoregulatory and Cardiovascular Adjustments to Acute Passive Heat Exposure in Lowâ€level Spinal Cord Injury. FASEB Journal, 2018, 32, .	0.2	0
133	Histamineâ€Receptor Antagonists Affect Endurance Exercise Performance in Highly Competitive Cyclists. FASEB Journal, 2018, 32, 723.2.	0.2	0
134	Heat Therapy Decreases Adipose Tissue Inflammation and Improves Insulin Signaling in Polycystic Ovary Syndrome. FASEB Journal, 2018, 32, 853.10.	0.2	0
135	Effect Of Cold Water Immersion On Skin Temperature. Medicine and Science in Sports and Exercise, 2018, 50, 802.	0.2	0
136	Blood Pressure and Brachial Shear Patterns During Recovery from Exercise versus Passive Heat Stress. FASEB Journal, 2019, 33, 541.12.	0.2	0
137	Efficacy of Hot Water Immersion versus Aerobic Exercise Training in Lowering Blood Pressure and Improving Cardiovascular Function in Adults with Untreated Hypertension. FASEB Journal, 2022, 36, .	0.2	0