

# David A Low

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

2,042  
citations

26  
h-index

41  
g-index

104  
ext. papers

2,312  
ext. citations

2.7  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
92	Postural tachycardia syndrome--current experience and concepts. <i>Nature Reviews Neurology</i> , <b>2011</b> , 8, 22-34	15	186
91	Hemodynamic responses to heat stress in the resting and exercising human leg: insight into the effect of temperature on skeletal muscle blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 300, R663-73	3.2	83
90	Heat stress enhances arterial baroreflex control of muscle sympathetic nerve activity via increased sensitivity of burst gating, not burst area, in humans. <i>Journal of Physiology</i> , <b>2006</b> , 573, 445-51	3.9	81
89	The effect of local repeated passive heating and handgrip exercise on reflex cutaneous vascular and sudomotor responses to whole-body heat stress. <i>Extreme Physiology and Medicine</i> , <b>2015</b> , 4,		78
88	Skin blood flow and local temperature independently modify sweat rate during passive heat stress in humans. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1301-6	3.7	78
87	Autonomic dysfunction in parkinsonian disorders: assessment and pathophysiology. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2013</b> , 84, 674-80	5.5	74
86	Cardiac troponin I is released following high-intensity short-duration exercise in healthy humans. <i>International Journal of Cardiology</i> , <b>2010</b> , 145, 337-339	3.2	70
85	Cardiovascular autonomic dysfunction in MSA and Parkinson's disease: similarities and differences. <i>Journal of the Neurological Sciences</i> , <b>2011</b> , 310, 133-8	3.2	60
84	Acute volume expansion preserves orthostatic tolerance during whole-body heat stress in humans. <i>Journal of Physiology</i> , <b>2009</b> , 587, 1131-9	3.9	56
83	Sympathetic nerve activity and whole body heat stress in humans. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1329-34	3.7	53
82	Influence of cold-water immersion on limb and cutaneous blood flow after exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 2277-85	1.2	52
81	Cerebrovascular responsiveness to steady-state changes in end-tidal CO <sub>2</sub> during passive heat stress. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 976-81	3.7	49
80	Twenty-four hour non-invasive ambulatory blood pressure and heart rate monitoring in Parkinson's disease. <i>Frontiers in Neurology</i> , <b>2013</b> , 4, 49	4.1	44
79	Effects of graded heat stress on global left ventricular function and twist mechanics at rest and during exercise in healthy humans. <i>Experimental Physiology</i> , <b>2011</b> , 96, 114-24	2.4	42
78	Dehydration reduces left ventricular filling at rest and during exercise independent of twist mechanics. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 891-7	3.7	41
77	Nitric oxide inhibits cutaneous vasoconstriction to exogenous norepinephrine. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 1504-8	3.7	41
76	Endogenous nitric oxide attenuates neutrally mediated cutaneous vasoconstriction. <i>Journal of Physiology</i> , <b>2007</b> , 585, 627-34	3.9	41

75	Dynamic cerebral autoregulation during passive heat stress in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 296, R1598-605	3.2	38
74	Impaired cutaneous vasodilation and sweating in grafted skin during whole-body heating. <i>Journal of Burn Care and Research</i> , <b>2007</b> , 28, 427-34	0.8	34
73	Sustained impairments in cutaneous vasodilation and sweating in grafted skin following long-term recovery. <i>Journal of Burn Care and Research</i> , <b>2009</b> , 30, 675-85	0.8	33
72	Cutaneous blood flow and sweat rate responses to exogenous administration of acetylcholine and methacholine. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 1856-61	3.7	32
71	Neurally mediated vasoconstriction is capable of decreasing skin blood flow during orthostasis in the heat-stressed human. <i>Journal of Physiology</i> , <b>2006</b> , 575, 953-9	3.9	32
70	Investigating the relationship between cardiac interoception and autonomic cardiac control using a predictive coding framework. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2018</b> , 210, 65-71	2.4	31
69	Cold Water Mediates Greater Reductions in Limb Blood Flow than Whole Body Cryotherapy. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1252-1260	1.2	30
68	Cutaneous and hemodynamic responses during hot flashes in symptomatic postmenopausal women. <i>Menopause</i> , <b>2008</b> , 15, 290-5	2.5	28
67	Passive heat therapy in sedentary humans increases skeletal muscle capillarization and eNOS content but not mitochondrial density or GLUT4 content. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 317, H114-H123	5.2	26
66	Exercise-induced hypotension in autonomic disorders. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2012</b> , 171, 66-78	2.4	25
65	Skin grafting impairs postsynaptic cutaneous vasodilator and sweating responses. <i>Journal of Burn Care and Research</i> , <b>2007</b> , 28, 435-41	0.8	25
64	The prolactin responses to active and passive heating in man. <i>Experimental Physiology</i> , <b>2005</b> , 90, 909-17	2.4	25
63	Abnormal gastric myoelectrical activity in postural tachycardia syndrome. <i>Clinical Autonomic Research</i> , <b>2013</b> , 23, 73-80	4.3	24
62	Carotid baroreceptor stimulation alters cutaneous vascular conductance during whole-body heating in humans. <i>Journal of Physiology</i> , <b>2006</b> , 577, 925-33	3.9	24
61	Effect of elevated local temperature on cutaneous vasoconstrictor responsiveness in humans. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 571-5	3.7	23
60	Exercise training reduces the frequency of menopausal hot flashes by improving thermoregulatory control. <i>Menopause</i> , <b>2016</b> , 23, 708-18	2.5	23
59	Influence of cold-water immersion on limb blood flow after resistance exercise. <i>European Journal of Sport Science</i> , <b>2017</b> , 17, 519-529	3.9	22
58	SCOPA-AUT scale in different parkinsonisms and its correlation with (123) I-MIBG cardiac scintigraphy. <i>Parkinsonism and Related Disorders</i> , <b>2012</b> , 18, 45-8	3.6	22

57	Temporal thermometry fails to track body core temperature during heat stress. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 1029-35	1.2	22
56	Mechanisms of cutaneous vasodilation during the postmenopausal hot flash. <i>Menopause</i> , <b>2011</b> , 18, 359-65	3.4	21
55	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
54	Heat stress attenuates the increase in arterial blood pressure during the cold pressor test. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1354-9	3.7	19
53	Exercise hemodynamics in Parkinson's disease and autonomic dysfunction. <i>Parkinsonism and Related Disorders</i> , <b>2014</b> , 20, 549-53	3.6	18
52	Skin surface cooling improves orthostatic tolerance following prolonged head-down bed rest. <i>Journal of Applied Physiology</i> , <b>2011</b> , 110, 1592-7	3.7	17
51	Botulinum toxin abolishes sweating via impaired sweat gland responsiveness to exogenous acetylcholine. <i>British Journal of Dermatology</i> , <b>2009</b> , 161, 757-61	4	17
50	Muscle sympathetic responses during orthostasis in heat-stressed individuals. <i>Clinical Autonomic Research</i> , <b>2011</b> , 21, 381-7	4.3	16
49	Does local heating-induced nitric oxide production attenuate vasoconstrictor responsiveness to lower body negative pressure in human skin?. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 1839-43	3.7	16
48	Sudomotor and cardiovascular dysfunction in patients with early untreated Parkinson's disease. <i>Journal of Parkinson's Disease</i> , <b>2014</b> , 4, 385-93	5.3	15
47	Nitric oxide synthase inhibition attenuates cutaneous vasodilation during postmenopausal hot flash episodes. <i>Menopause</i> , <b>2010</b> , 17, 978-82	2.5	15
46	What's in a name? The 22q11.2 deletion <b>1997</b> , 72, 247-247		15
45	Exercise thermoregulation and hyperprolactinaemia. <i>Ergonomics</i> , <b>2005</b> , 48, 1547-57	2.9	15
44	Reproducibility of Cutaneous Vascular Conductance Responses to Slow Local Heating Assessed Using seven-Laser Array Probes. <i>Microcirculation</i> , <b>2015</b> , 22, 276-84	2.9	14
43	Whole body heat stress attenuates baroreflex control of muscle sympathetic nerve activity during postexercise muscle ischemia. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1125-31	3.7	12
42	Exercise training reduces the acute physiological severity of post-menopausal hot flushes. <i>Journal of Physiology</i> , <b>2016</b> , 594, 657-67	3.9	12
41	Reproducibility of four frequently used local heating protocols to assess cutaneous microvascular function. <i>Microvascular Research</i> , <b>2017</b> , 112, 65-71	3.7	11
40	Abnormal cardiovascular sympathetic and parasympathetic responses to physical and emotional stimuli in depersonalization disorder. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 89	5.1	11

39	Cardiovascular Responses During Resistance Exercise in Patients With Parkinson Disease. <i>PM and R</i> , <b>2018</b> , 10, 1145-1152	2.2	11
38	Skin temperature of the hand in multiple system atrophy and Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2013</b> , 19, 560-2	3.6	10
37	Passive Heating Attenuates Post-exercise Cardiac Autonomic Recovery in Healthy Young Males. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 727	5.1	10
36	Changes in quadriceps femoris muscle perfusion following different degrees of cold-water immersion. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 1392-1401	3.7	9
35	Emotional orienting during interoceptive threat in orthostatic intolerance: Dysautonomic contributions to psychological symptomatology in the postural tachycardia syndrome and vasovagal syncope. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2018</b> , 212, 42-47	2.4	9
34	Haemodynamic responses to dehydration in the resting and exercising human leg. <i>European Journal of Applied Physiology</i> , <b>2013</b> , 113, 1499-509	3.4	9
33	Cerebral and peripheral vascular differences between pre- and postmenopausal women. <i>Menopause</i> , <b>2020</b> , 27, 170-182	2.5	9
32	Acute black tea consumption improves cutaneous vascular function in healthy middle-aged humans. <i>Clinical Nutrition</i> , <b>2018</b> , 37, 242-249	5.9	7
31	Additive effects of heating and exercise on baroreflex control of heart rate in healthy males. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1555-1562	3.7	6
30	Cutaneous vasoconstriction during whole-body and local cooling in grafted skin five to nine months postsurgery. <i>Journal of Burn Care and Research</i> , <b>2008</b> , 29, 36-41	0.8	6
29	Heat acclimation of an adult female with a large surface area of grafted skin. <i>Journal of Burn Care and Research</i> , <b>2008</b> , 29, 848-51	0.8	6
28	Cutaneous vascular responses to hypercapnia during whole-body heating. <i>Aviation, Space, and Environmental Medicine</i> , <b>2008</b> , 79, 1081-5		6
27	Thermoregulatory responses to combined moderate heat stress and hypoxia. <i>Microcirculation</i> , <b>2016</b> , 23, 487-494	2.9	6
26	Is core temperature the trigger of a menopausal hot flush?. <i>Menopause</i> , <b>2019</b> , 26, 1016-1023	2.5	4
25	Autonomic symptoms in hypertensive patients with post-acute minor ischemic stroke. <i>Clinical Neurology and Neurosurgery</i> , <b>2015</b> , 139, 188-91	2	3
24	Autonomic dysfunction: recognition, diagnosis, investigation, management, and autonomic neurorehabilitation. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2013</b> , 110, 239-33		3
23	Pure autonomic failure with cold induced sweating. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2013</b> , 176, 98-100	2.4	3
22	Autonomic disturbances in spinal cord lesions <b>2013</b> , 797-817		3

21	Prolactin Responses To Exercise In The Heat With Altered Skin Temperatures And Skin Blood Flow. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, S170	1.2	2
20	Investigation of autonomic disorders <b>2013</b> , 258-287		2
19	Supine & Orthostatic Orienting Responses & Interoception in Postural Tachycardia Syndrome (PoTS) & Autonomically (Neurally) Syncope (AMS): Insights into Brain-Body Integration. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2015</b> , 192, 39-40	2.4	1
18	Combined facial heating and inhalation of hot air do not alter thermoeffector responses in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R623-7	3.2	1
17	Autonomic Disturbances in Spinal Cord Injuries <b>2012</b> , 505-509		1
16	L-DOPS and the treatment of neurogenic orthostatic hypotension. <i>Future Neurology</i> , <b>2013</b> , 8, 381-397	1.5	1
15	Cardiovascular Responses to Exercise in Spinal Cord Injury <b>2016</b> , 105-126		0
14	Impact of green tea on the deleterious cardiometabolic effects of 7-days unhealthy lifestyle in young healthy males. <i>Physiological Reports</i> , <b>2021</b> , 9, e14720	2.6	0
13	The impact of age, sex, cardio-respiratory fitness, and cardiovascular disease risk on dynamic cerebral autoregulation and baroreflex sensitivity.. <i>European Journal of Applied Physiology</i> , <b>2022</b> , 1	3.4	0
12	Orthostatic Hypotension and Orthostatic Intolerance <b>2016</b> , 1965-1984.e3		
11	In Reply. <i>Menopause</i> , <b>2017</b> , 24, 118-120	2.5	
10	Autonomic dysfunction 415-436		
9	The cerebrovasculature: a smooth (muscle) operator?. <i>Journal of Physiology</i> , <b>2013</b> , 591, 4959-60	3.9	
8	Relationship between Exercise Hyperprolactinaemia and Cardiovascular Responses during Prolonged Exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, S24-S25	1.2	
7	Endogenous NO decreases cutaneous vasoconstrictor responsiveness during lower-body negative pressure (LBNP) in the heat stressed individual. <i>FASEB Journal</i> , <b>2007</b> , 21, A1298	0.9	
6	Effect of hypercapnia on skin blood flow during normothermia and whole-body heating. <i>FASEB Journal</i> , <b>2007</b> , 21, A1313	0.9	
5	Heat stress attenuates increases in arterial blood pressure during a cold pressor test (CPT). <i>FASEB Journal</i> , <b>2007</b> , 21, A563	0.9	
4	Heat stress decreases baroreflex sensitivity during muscle metaboreceptor stimulation. <i>FASEB Journal</i> , <b>2007</b> , 21, A571	0.9	

- 3 Dynamic cerebral autoregulation during passive heat stress. *FASEB Journal*, **2008**, 22, 956.8 0.9
- 2 Heat Acclimation of an Individual with a Spinal Cord Injury: A Case Report. *Medicine and Science in Sports and Exercise*, **2008**, 40, S334 1.2
- 1 Effects of three-exercise sessions in the heat on endurance cycling performance. *Journal of Thermal Biology*, **2021**, 98, 102925 2.9