

Ellen Adele Dawson

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.

83
papers

4,180
citations

34
h-index

64
g-index

86
ext. papers

4,626
ext. citations

3.8
avg, IF

5.01
L-index

#	Paper	IF	Citations
83	Shear stress mediates endothelial adaptations to exercise training in humans. <i>Hypertension</i> , 2010 , 55, 312-8	8.5	318
82	Retrograde flow and shear rate acutely impair endothelial function in humans. <i>Hypertension</i> , 2009 , 53, 986-92	8.5	225
81	Is flow-mediated dilation nitric oxide mediated?: A meta-analysis. <i>Hypertension</i> , 2014 , 63, 376-82	8.5	223
80	Impact of shear rate modulation on vascular function in humans. <i>Hypertension</i> , 2009 , 54, 278-85	8.5	221
79	Brain and central haemodynamics and oxygenation during maximal exercise in humans. <i>Journal of Physiology</i> , 2004 , 557, 331-42	3.9	201
78	Limitations to systemic and locomotor limb muscle oxygen delivery and uptake during maximal exercise in humans. <i>Journal of Physiology</i> , 2005 , 566, 273-85	3.9	166
77	Capillary-oxygenation-level-dependent near-infrared spectrometry in frontal lobe of humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1082-93	7.3	157
76	Brachial artery blood flow responses to different modalities of lower limb exercise. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1072-9	1.2	127
75	Autonomic nervous system influence on arterial baroreflex control of heart rate during exercise in humans. <i>Journal of Physiology</i> , 2005 , 566, 599-611	3.9	112
74	Heterogeneity in conduit artery function in humans: impact of arterial size. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1927-34	5.2	111
73	Dynamic cerebral autoregulation during exhaustive exercise in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H1461-7	5.2	109
72	Effects of acute exercise on flow-mediated dilatation in healthy humans. <i>Journal of Applied Physiology</i> , 2013 , 115, 1589-98	3.7	107
71	Restrictions in systemic and locomotor skeletal muscle perfusion, oxygen supply and VO ₂ during high-intensity whole-body exercise in humans. <i>Journal of Physiology</i> , 2008 , 586, 2621-35	3.9	107
70	Brachial artery adaptation to lower limb exercise training: role of shear stress. <i>Journal of Applied Physiology</i> , 2012 , 112, 1653-8	3.7	106
69	Changes in vascular and cardiac function after prolonged strenuous exercise in humans. <i>Journal of Applied Physiology</i> , 2008 , 105, 1562-8	3.7	94
68	Erythrocytes and the regulation of human skeletal muscle blood flow and oxygen delivery: role of erythrocyte count and oxygenation state of haemoglobin. <i>Journal of Physiology</i> , 2006 , 572, 295-305	3.9	90
67	Haemodynamic responses to exercise, ATP infusion and thigh compression in humans: insight into the role of muscle mechanisms on cardiovascular function. <i>Journal of Physiology</i> , 2008 , 586, 2405-17	3.9	86

66	Does arterial shear explain the magnitude of flow-mediated dilation?: a comparison between young and older humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H57-64	5.2	84
65	Is the ratio of flow-mediated dilation and shear rate a statistically sound approach to normalization in cross-sectional studies on endothelial function?. <i>Journal of Applied Physiology</i> , 2009 , 107, 1893-9	3.7	84
64	Impact of marathon running on cardiac structure and function in recreational runners. <i>Clinical Science</i> , 2005 , 108, 73-80	6.5	72
63	Exercise and arterial adaptation in humans: uncoupling localized and systemic effects. <i>Journal of Applied Physiology</i> , 2011 , 110, 1190-5	3.7	70
62	Mitral annular myocardial velocity assessment of segmental left ventricular diastolic function after prolonged exercise in humans. <i>Journal of Physiology</i> , 2005 , 569, 305-13	3.9	66
61	Does the human heart fatigue subsequent to prolonged exercise?. <i>Sports Medicine</i> , 2003 , 33, 365-80	10.6	64
60	Effects of massage on limb and skin blood flow after quadriceps exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1308-13	1.2	59
59	Kidneys extract BNP and NT-proBNP in healthy young men. <i>Journal of Applied Physiology</i> , 2005 , 99, 1676-80	3.8	57
58	Postexercise left ventricular function and cTnT in recreational marathon runners. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1709-15	1.2	55
57	Beta-adrenergic receptor desensitization in man: insight into post-exercise attenuation of cardiac function. <i>Journal of Physiology</i> , 2006 , 577, 717-25	3.9	52
56	Altered cardiac function and minimal cardiac damage during prolonged exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1098-103	1.2	51
55	Left ventricular wall segment motion after ultra-endurance exercise in humans assessed by myocardial speckle tracking. <i>European Journal of Echocardiography</i> , 2009 , 10, 238-43		50
54	The impact of baseline diameter on flow-mediated dilation differs in young and older humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1594-8	5.2	49
53	Cerebral carbohydrate cost of physical exertion in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 287, R534-40	3.2	48
52	Conduit diameter and wall remodeling in elite athletes and spinal cord injury. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 844-9	1.2	44
51	Why isn't flow-mediated dilation enhanced in athletes?. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 75-82	1.2	42
50	Low-flow mediated constriction is endothelium-dependent: effects of exercise training after radial artery catheterization. <i>Circulation: Cardiovascular Interventions</i> , 2012 , 5, 713-9	6	38
49	Regulation of middle cerebral artery blood velocity during recovery from dynamic exercise in humans. <i>Journal of Applied Physiology</i> , 2007 , 102, 713-21	3.7	34

48	Impact of introducer sheath coating on endothelial function in humans after transradial coronary procedures. <i>Circulation: Cardiovascular Interventions</i> , 2010 , 3, 148-56	6	33
47	Impact of wall thickness on conduit artery function in humans: is there a "Folkow" effect?. <i>Atherosclerosis</i> , 2011 , 217, 415-9	3.1	32
46	Effect of SR manipulation on conduit artery dilation in humans. <i>Hypertension</i> , 2013 , 61, 143-50	8.5	31
45	Impact of handgrip exercise intensity on brachial artery flow-mediated dilation. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1705-13	3.4	26
44	Impact of catheter insertion using the radial approach on vasodilatation in humans. <i>Clinical Science</i> , 2010 , 118, 633-40	6.5	26
43	The cardiospecificity of the third-generation cTnT assay after exercise-induced muscle damage. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 651-4	1.2	24
42	Do acute effects of exercise on vascular function predict adaptation to training?. <i>European Journal of Applied Physiology</i> , 2018 , 118, 523-530	3.4	24
41	Home-hit improves muscle capillarisation and eNOS/NAD(P)H oxidase protein ratio in obese individuals with elevated cardiovascular disease risk. <i>Journal of Physiology</i> , 2019 , 597, 4203-4225	3.9	23
40	Local and systemic effects of leg cycling training on arterial wall thickness in healthy humans. <i>Atherosclerosis</i> , 2013 , 229, 282-6	3.1	22
39	Exercise-mediated changes in conduit artery wall thickness in humans: role of shear stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H241-6	5.2	22
38	The impact of prolonged exercise in a cold environment upon cardiac function. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1522-7	1.2	22
37	Low-flow mediated constriction: the yin to FMD's yang?. <i>Expert Review of Cardiovascular Therapy</i> , 2014 , 12, 557-64	2.5	21
36	Correlation of carotid artery reactivity with cardiovascular risk factors and coronary artery vasodilator responses in asymptomatic, healthy volunteers. <i>Journal of Hypertension</i> , 2017 , 35, 1026-1034	1.9	21
35	Opposing effects of shear-mediated dilation and myogenic constriction on artery diameter in response to handgrip exercise in humans. <i>Journal of Applied Physiology</i> , 2015 , 119, 858-64	3.7	19
34	Cardiac and vasomotor components of the carotid baroreflex control of arterial blood pressure during isometric exercise in humans. <i>Journal of Physiology</i> , 2006 , 572, 869-80	3.9	19
33	Cerebral metabolism during upper and lower body exercise. <i>Journal of Applied Physiology</i> , 2004 , 97, 1733-9	3.9	18
32	The cardiospecificity of the third-generation cTnT assay after exercise-induced muscle damage. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 651-654	1.2	17
31	Deep brain stimulation of the periaqueductal grey induces vasodilation in humans. <i>Hypertension</i> , 2011 , 57, e24-5	8.5	15

30	Fluctuation in shear rate, with unaltered mean shear rate, improves brachial artery flow-mediated dilation in healthy, young men. <i>Journal of Applied Physiology</i> , 2019 , 126, 1687-1693	3.7	14
29	Reproducibility of Cutaneous Vascular Conductance Responses to Slow Local Heating Assessed Using seven-Laser Array Probes. <i>Microcirculation</i> , 2015 , 22, 276-84	2.9	14
28	Quality of life in adults with muscular dystrophy. <i>Health and Quality of Life Outcomes</i> , 2019 , 17, 121	3	13
27	Arterial prehabilitation: can exercise induce changes in artery size and function that decrease complications of catheterization?. <i>Sports Medicine</i> , 2010 , 40, 481-92	10.6	13
26	The impact of exercise on derived measures of central pressure and augmentation index obtained from the SphygmoCor device. <i>Journal of Applied Physiology</i> , 2009 , 106, 1896-901	3.7	13
25	Relationship Between Endothelial Function and the Eliciting Shear Stress Stimulus in Women: Changes Across the Lifespan Differ to Men. <i>Journal of the American Heart Association</i> , 2019 , 8, e010994	6	13
24	Exaggerated intergroup bias in economical decision making games: differential effects of primary and secondary psychopathic traits. <i>PLoS ONE</i> , 2013 , 8, e69565	3.7	12
23	Reproducibility of four frequently used local heating protocols to assess cutaneous microvascular function. <i>Microvascular Research</i> , 2017 , 112, 65-71	3.7	11
22	Effect of unilateral forearm inactivity on endothelium-dependent vasodilator function in humans. <i>European Journal of Applied Physiology</i> , 2013 , 113, 933-40	3.4	11
21	Reference Intervals for Brachial Artery Flow-Mediated Dilation and the Relation With Cardiovascular Risk Factors. <i>Hypertension</i> , 2021 , 77, 1469-1480	8.5	10
20	Menstrual cycle, exercise and health. <i>Biological Rhythm Research</i> , 2009 , 40, 99-119	0.8	9
19	Cardiac output during exercise is related to plasma atrial natriuretic peptide but not to central venous pressure in humans. <i>Experimental Physiology</i> , 2019 , 104, 379-384	2.4	8
18	Physical activity and associations with clinical outcome measures in adults with cystic fibrosis; a systematic review. <i>Journal of Cystic Fibrosis</i> , 2019 , 18, 590-601	4.1	8
17	Longitudinal and radial systolic myocardial tissue velocities after prolonged exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006 , 31, 256-60	3	7
16	A formative study exploring perceptions of physical activity and physical activity monitoring among children and young people with cystic fibrosis and health care professionals. <i>BMC Pediatrics</i> , 2018 , 18, 335	2.6	7
15	Acute impact of conventional and eccentric cycling on platelet and vascular function in patients with chronic heart failure. <i>Journal of Applied Physiology</i> , 2017 , 122, 1418-1424	3.7	5
14	Localised cutaneous microvascular adaptation to exercise training in humans. <i>European Journal of Applied Physiology</i> , 2018 , 118, 837-845	3.4	5
13	Renal lactate elimination is maintained during moderate exercise in humans. <i>Journal of Sports Sciences</i> , 2012 , 30, 149-53	3.6	3

12	Effects of Catheterization on Artery Function and Health: When Should Patients Start Exercising Following Their Coronary Intervention?. <i>Sports Medicine</i> , 2019 , 49, 397-416	10.6	2
11	Central versus peripheral control of cardiac output in humans: insight from atrial pacing. <i>Journal of Physiology</i> , 2012 , 590, 4977-8	3.9	2
10	Exercise-induced vasodilation is not impaired following radial artery catheterization in coronary artery disease patients. <i>Journal of Applied Physiology</i> , 2020 , 128, 422-428	3.7	2
9	Impact of catheterization on shear-mediated arterial dilation in healthy young men. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2525-2532	3.4	1
8	12-Month changes of muscle strength, body composition and physical activity in adults with dystrophinopathies. <i>Disability and Rehabilitation</i> , 2020 , 1-8	2.4	1
7	Intra-individual differences in the effect of endurance versus resistance training on vascular function: A cross-over study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31, 1683-1692	4.6	1
6	Exercise modality, but not exercise training, alters the acute effect of exercise on endothelial function in healthy men. <i>Journal of Applied Physiology</i> , 2021 , 130, 1716-1723	3.7	1
5	Impact of proximal and distal cuff inflation on brachial artery endothelial function in healthy individuals. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1135-1144	3.4	0
4	Elevated shear rate-induced by exercise increases eNOS ser but not PECAM-1 Tyr phosphorylation in human conduit artery endothelial cells.. <i>European Journal of Sport Science</i> , 2022 , 1-10	3.9	0
3	Response to: Reshape of the arterial wall as a slow reacting vascular structureS <i>Atherosclerosis</i> , 2014 , 233, 1-2	3.1	
2	Effect of Angiotensin II on the peripheral vasculature during rest low, mild, and heavy exercise workloads. <i>FASEB Journal</i> , 2007 , 21, A1372	0.9	
1	Traditional and Nontraditional Cardiovascular Risk Factors in Active Octogenarians Who Develop Cardiovascular Events.. <i>Journal of the American Medical Directors Association</i> , 2021 ,	5.9	