

David N Proctor

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

5,339
citations

31
h-index

73
g-index

87
ext. papers

5,923
ext. citations

3.1
avg, IF

5.28
L-index

#	Paper	IF	Citations
83	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
82	Impact of aerobic exercise training on age-related changes in insulin sensitivity and muscle oxidative capacity. <i>Diabetes</i> , 2003 , 52, 1888-96	0.9	471
81	Contribution of nitric oxide and prostaglandins to reactive hyperemia in human forearm. <i>Journal of Applied Physiology</i> , 1996 , 81, 1807-14	3.7	208
80	Reduced leg blood flow during dynamic exercise in older endurance-trained men. <i>Journal of Applied Physiology</i> , 1998 , 85, 68-75	3.7	180
79	Skeletal muscle mass and the reduction of VO ₂ max in trained older subjects. <i>Journal of Applied Physiology</i> , 1997 , 82, 1411-5	3.7	145
78	Changes in myosin heavy chain mRNA and protein expression in human skeletal muscle with age and endurance exercise training. <i>Journal of Applied Physiology</i> , 2005 , 99, 95-102	3.7	127
77	Different vasodilator responses of human arms and legs. <i>Journal of Physiology</i> , 2004 , 556, 1001-11	3.9	110
76	Age and flow-mediated dilation: a comparison of dilatory responsiveness in the brachial and popliteal arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H3043-9	5.2	101
75	Influence of age and gender on cardiac output-VO ₂ relationships during submaximal cycle ergometry. <i>Journal of Applied Physiology</i> , 1998 , 84, 599-605	3.7	98
74	Sex differences in leg vasodilation during graded knee extensor exercise in young adults. <i>Journal of Applied Physiology</i> , 2007 , 103, 1583-91	3.7	91
73	Vasodilation and vascular control in contracting muscle of the aging human. <i>Microcirculation</i> , 2006 , 13, 315-27	2.9	91
72	Impaired leg vasodilation during dynamic exercise in healthy older women. <i>Journal of Applied Physiology</i> , 2003 , 95, 1963-70	3.7	91
71	Sex-specific influence of aging on exercising leg blood flow. <i>Journal of Applied Physiology</i> , 2008 , 104, 655-64	3.7	76
70	Augmented leg vasoconstriction in dynamically exercising older men during acute sympathetic stimulation. <i>Journal of Physiology</i> , 2003 , 551, 337-44	3.9	76
69	l-Citrulline Supplementation: Impact on Cardiometabolic Health. <i>Nutrients</i> , 2018 , 10,	6.7	74
68	Leg blood flow during submaximal cycle ergometry is not reduced in healthy older normally active men. <i>Journal of Applied Physiology</i> , 2003 , 94, 1859-69	3.7	70
67	Heterogeneous vasodilator responses of human limbs: influence of age and habitual endurance training. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H308-15	5.2	62

66	Evidence for sex differences in cardiovascular aging and adaptive responses to physical activity. <i>European Journal of Applied Physiology</i> , 2010 , 110, 235-46	3.4	59
65	Delay time adjustments to minimize errors in breath-by-breath measurement of Vo2 during exercise. <i>Journal of Applied Physiology</i> , 1996 , 81, 2495-9	3.7	57
64	Evidence for reduced sympatholysis in leg resistance vasculature of healthy older women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1148-56	5.2	52
63	Reserve capacity for ATP consumption during isometric contraction in human skeletal muscle fibers. <i>Journal of Applied Physiology</i> , 2001 , 90, 657-64	3.7	44
62	Muscle blood flow during exercise: the limits of reductionism. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 1036-40	1.2	41
61	Reduced submaximal leg blood flow after high-intensity aerobic training. <i>Journal of Applied Physiology</i> , 2001 , 91, 2619-27	3.7	40
60	Age and regional specificity of peak limb vascular conductance in men. <i>Journal of Applied Physiology</i> , 2005 , 98, 193-202	3.7	39
59	Replacing Saturated Fat With Walnuts or Vegetable Oils Improves Central Blood Pressure and Serum Lipids in Adults at Risk for Cardiovascular Disease: A Randomized Controlled-Feeding Trial. <i>Journal of the American Heart Association</i> , 2019 , 8, e011512	6	37
58	Age and regional specificity of peak limb vascular conductance in women. <i>Journal of Applied Physiology</i> , 2005 , 99, 2067-74	3.7	36
57	Is there a difference in vascular reactivity of the arms and legs?. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 1819-28	1.2	34
56	Age and sex influence the balance between maximal cardiac output and peripheral vascular reserve. <i>Journal of Applied Physiology</i> , 2010 , 108, 483-9	3.7	33
55	Leg blood flow and VO2 during peak cycle exercise in younger and older women. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 623-31	1.2	33
54	Effects of genetic selection and voluntary activity on the medial gastrocnemius muscle in house mice. <i>Journal of Applied Physiology</i> , 1999 , 87, 2326-33	3.7	33
53	Blood flow to exercising limbs varies with age, gender, and training status. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2005 , 30, 554-75		32
52	Aging women and their endothelium: probing the relative role of estrogen on vasodilator function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H395-H404	5.2	31
51	Longitudinal changes in physical functional performance among the oldest old: insight from a study of Swedish twins. <i>Aging Clinical and Experimental Research</i> , 2006 , 18, 517-30	4.8	28
50	Protein intake and athletic performance. <i>Sports Medicine</i> , 1991 , 12, 313-25	10.6	28
49	Endothelial function, arterial stiffness and adherence to the 2010 Dietary Guidelines for Americans: a cross-sectional analysis. <i>British Journal of Nutrition</i> , 2015 , 113, 1773-81	3.6	27

48	Blood pressure and calf muscle oxygen extraction during plantar flexion exercise in peripheral artery disease. <i>Journal of Applied Physiology</i> , 2017 , 123, 2-10	3.7	21
47	The association between near-infrared spectroscopy-derived and flow-mediated dilation assessment of vascular responsiveness in the arm. <i>Microvascular Research</i> , 2019 , 122, 41-44	3.7	21
46	Incorporating freeze-dried strawberry powder into a high-fat meal does not alter postprandial vascular function or blood markers of cardiovascular disease risk: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 313-322	7	20
45	Differences in vascular function between trained and untrained limbs assessed by near-infrared spectroscopy. <i>European Journal of Applied Physiology</i> , 2018 , 118, 2241-2248	3.4	19
44	Cardiovascular and peak VO ₂ responses to supine exercise: effects of age and training status. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 892-9	1.2	19
43	Blood pressure and leg deoxygenation are exaggerated during treadmill walking in patients with peripheral artery disease. <i>Journal of Applied Physiology</i> , 2017 , 123, 1160-1165	3.7	17
42	Impairments in central cardiovascular function contribute to attenuated reflex vasodilation in aged skin. <i>Journal of Applied Physiology</i> , 2015 , 119, 1411-20	3.7	16
41	Arterial stiffness is higher in older adults with increased perceived fatigue and fatigability during walking. <i>Experimental Gerontology</i> , 2015 , 61, 92-7	4.5	15
40	Age and microvascular responses to knee extensor exercise in women. <i>European Journal of Applied Physiology</i> , 2008 , 103, 343-51	3.4	15
39	Coronary Exercise Hyperemia Is Impaired in Patients with Peripheral Arterial Disease. <i>Annals of Vascular Surgery</i> , 2017 , 38, 260-267	1.7	13
38	Tree Nut Consumption and Adipose Tissue Mass: Mechanisms of Action. <i>Current Developments in Nutrition</i> , 2018 , 2, nzy069	0.4	11
37	Relation of femoral diameter, shear rate, and dilatory response to knee extensor exercise. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1870-5	1.2	10
36	Effects of acute dietary nitrate supplementation on aortic blood pressures and pulse wave characteristics in post-menopausal women. <i>Nitric Oxide - Biology and Chemistry</i> , 2019 , 85, 10-16	5	9
35	Exercise-induced vasodilation is associated with menopause stage in healthy middle-aged women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012 , 37, 418-24	3	9
34	Effect of adrenergic agonists on coronary blood flow: a laboratory study in healthy volunteers. <i>Physiological Reports</i> , 2016 , 4, e12806	2.6	8
33	Beta-1 vs. beta-2 adrenergic control of coronary blood flow during isometric handgrip exercise in humans. <i>Journal of Applied Physiology</i> , 2017 , 123, 337-343	3.7	7
32	Implementation and evaluation of an Exercise is Medicine™ campus week. <i>Evaluation and Program Planning</i> , 2015 , 52, 176-81	1.7	7
31	The effect of culinary doses of spices in a high-saturated fat, high-carbohydrate meal on postprandial lipemia and endothelial function: a randomized, controlled, crossover pilot trial. <i>Food and Function</i> , 2020 , 11, 3191-3200	6.1	7

30	Sex-dependent associations between daily physical activity and leg exercise blood pressure responses. <i>Journal of Aging and Physical Activity</i> , 2011 , 19, 306-21	1.6	7
29	Evidence for the emergence of leg sympathetic vasoconstrictor tone with age in healthy women. <i>Physiological Reports</i> , 2015 , 3, e12275	2.6	6
28	Femoral shear rate response to knee extensor exercise: an age and sex comparison. <i>Biorheology</i> , 2009 , 46, 145-54	1.7	6
27	Calf exercise-induced vasodilation is blunted in healthy older adults with increased walking performance fatigue. <i>Experimental Gerontology</i> , 2014 , 57, 1-5	4.5	5
26	Lifelong physical activity and blood flow to active muscles: sufficient supply to meet the demand. <i>Journal of Physiology</i> , 2012 , 590, 5927-8	3.9	5
25	Sex-specific effect of aging on submaximal leg exercise hemodynamics in middle-aged and older adults. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1369-79	3.4	5
24	Esmolol infusion versus propranolol infusion: effects on heart rate and blood pressure in healthy volunteers. <i>Journal of Applied Physiology</i> , 2017 , 122, 511-519	3.7	4
23	Near-infrared spectroscopy detects transient decrements and recovery of microvascular responsiveness following prolonged forearm ischemia. <i>Microvascular Research</i> , 2019 , 125, 103879	3.7	4
22	Isometric Handgrip as an Adjunct for Blood Pressure Control: a Primer for Clinicians. <i>Current Hypertension Reports</i> , 2017 , 19, 51	4.7	4
21	Hormone therapy is associated with preserved smooth muscle structure and dilation in the arterial vasculature of the leg in older women. <i>Maturitas</i> , 2008 , 59, 46-54	5	4
20	Consumption of Dried Fruits Is Associated with Greater Intakes of Underconsumed Nutrients, Higher Total Energy Intakes, and Better Diet Quality in US Adults: A Cross-Sectional Analysis of the National Health and Nutrition Examination Survey, 2007-2016. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021 , 121, 1258-1272	3.9	4
19	Retrograde and oscillatory shear increase across the menopause transition. <i>Physiological Reports</i> , 2019 , 7, e13965	2.6	4
18	Arterial Compliance And Responsiveness: Relative Impact Of Menopause And Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 303	1.2	3
17	Flow-mediated dilation. <i>Journal of Applied Physiology</i> , 2005 , 99, 1620	3.7	3
16	Esmolol acutely alters oxygen supply-demand balance in exercising muscles of healthy humans. <i>Physiological Reports</i> , 2018 , 6, e13673	2.6	2
15	Application of the LaGrange polynomial in skeletal muscle fatigue analysis. <i>Research Quarterly for Exercise and Sport</i> , 2002 , 73, 168-74	1.9	2
14	Acute application of a transdermal nitroglycerin patch protects against prolonged forearm ischemia-induced microvascular dysfunction. <i>Microcirculation</i> , 2020 , 27, e12599	2.9	2
13	Found in W transition W shifting mechanisms of aerobic exercise adaptation in ageing women. <i>Journal of Physiology</i> , 2017 , 595, 4119-4120	3.9	1

12	A prospective community engagement initiative to improve clinical research participation in patients with peripheral artery disease. <i>SAGE Open Medicine</i> , 2020 , 8, 2050312120930915	2.4	1
11	Bilateral NIRS measurements of muscle mitochondrial capacity: Feasibility and repeatability. <i>Physiological Reports</i> , 2021 , 9, e14826	2.6	1
10	Herbs and spices at a relatively high culinary dosage improves 24-hour ambulatory blood pressure in adults at risk of cardiometabolic diseases: a randomized, crossover, controlled-feeding study. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	1
9	Commentary on Viewpoint: Exercise and cardiovascular risk reduction: time to update the rationale for exercise? Considering the role of sex in modulating direct effects of exercise on the vasculature. <i>Journal of Applied Physiology</i> , 2008 , 105, 778	3.7	
8	Invasive Physiological Measurements in Patients with Peripheral Artery Disease: Willingness and Barriers to Participation. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
7	Blunted leg vasodilation during isolated quadriceps exercise in healthy older women. <i>FASEB Journal</i> , 2007 , 21, A1238	0.9	
6	Feasibility Of A Regional K40 Detector To Determine Differences In Triceps Surae Muscle Quality. <i>FASEB Journal</i> , 2007 , 21, A578	0.9	
5	Patterns of Conduit Artery Shear Stress Across the Menopause Transition. <i>FASEB Journal</i> , 2018 , 32, lb308.9		
4	Nitrate Supplementation Influences Contraction-Relaxation Rates During Ischemic Exercise in Post-Menopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 593	1.2	
3	Retrograde and Oscillatory Shear Remain Stable Across the Menstrual Cycle but Increase in Postmenopausal Women. <i>FASEB Journal</i> , 2019 , 33, lb504	0.9	
2	A Time-Efficient NIRS Protocol For Cross- And Within-limb Comparisons Of Muscle Oxidative Capacity. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 84-84	1.2	
1	Peripheral vasodilation is reduced during exercise in perimenopausal women with elevated cardiovascular risk. <i>Menopause</i> , 2020 , 27, 1167-1170	2.5	