

Michael Nyberg

List of Publications by Year in descending order

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67
papers

2,478
citations

172457

29
h-index

214800

47
g-index

69
all docs

69
docs citations

69
times ranked

3044
citing authors

#	ARTICLE	IF	CITATIONS
1	Resveratrol blunts the positive effects of exercise training on cardiovascular health in aged men. <i>Journal of Physiology</i> , 2013, 591, 5047-5059.	2.9	206
2	Vasodilator interactions in skeletal muscle blood flow regulation. <i>Journal of Physiology</i> , 2012, 590, 6297-6305.	2.9	159
3	Cardiovascular Adaptations to Exercise Training. , 2015, 6, 1-32.		146
4	Influence of nitrate supplementation on $\dot{V}O_2$ kinetics and endurance of elite cyclists. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, e21-31.	2.9	108
5	Lifelong physical activity prevents an age-related reduction in arterial and skeletal muscle nitric oxide bioavailability in humans. <i>Journal of Physiology</i> , 2012, 590, 5361-5370.	2.9	99
6	Adenosine Contributes to Blood Flow Regulation in the Exercising Human Leg by Increasing Prostaglandin and Nitric Oxide Formation. <i>Hypertension</i> , 2009, 53, 993-999.	2.7	91
7	Role of nitric oxide and prostanoids in the regulation of leg blood flow and blood pressure in humans with essential hypertension: effect of high-intensity aerobic training. <i>Journal of Physiology</i> , 2012, 590, 1481-1494.	2.9	90
8	Local release of ATP into the arterial inflow and venous drainage of human skeletal muscle: insight from ATP determination with the intravascular microdialysis technique. <i>Journal of Physiology</i> , 2011, 589, 1847-1857.	2.9	88
9	Lifelong physical activity preserves functional sympatholysis and purinergic signalling in the ageing human leg. <i>Journal of Physiology</i> , 2012, 590, 6227-6236.	2.9	86
10	The hyperaemic response to passive leg movement is dependent on nitric oxide: a new tool to evaluate endothelial nitric oxide function. <i>Journal of Physiology</i> , 2012, 590, 4391-4400.	2.9	85
11	Exercise training modulates functional sympatholysis and β -adrenergic vasoconstrictor responsiveness in hypertensive and normotensive individuals. <i>Journal of Physiology</i> , 2014, 592, 3063-3073.	2.9	63
12	Effects of high-intensity training on cardiovascular risk factors in premenopausal and postmenopausal women. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, 384.e1-384.e11.	1.3	58
13	Exercise Training Alters the Balance Between Vasoactive Compounds in Skeletal Muscle of Individuals With Essential Hypertension. <i>Hypertension</i> , 2011, 58, 943-949.	2.7	52
14	Nitric oxide and reactive oxygen species in limb vascular function: what is the effect of physical activity?. <i>Free Radical Research</i> , 2014, 48, 71-83.	3.3	52
15	Interstitial and Plasma Adenosine Stimulate Nitric Oxide and Prostacyclin Formation in Human Skeletal Muscle. <i>Hypertension</i> , 2010, 56, 1102-1108.	2.7	50
16	Physical activity opposes the age-related increase in skeletal muscle and plasma endothelin-1 levels and normalizes plasma endothelin-1 levels in individuals with essential hypertension. <i>Acta Physiologica</i> , 2013, 207, 524-535.	3.8	47
17	Resveratrol modulates the angiogenic response to exercise training in skeletal muscles of aged men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1111-H1119.	3.2	47
18	Roles of sedentary aging and lifelong physical activity in exchange of glutathione across exercising human skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2014, 73, 166-173.	2.9	46

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19	Early Postmenopausal Phase Is Associated With Reduced Prostacyclin-Induced Vasodilation That Is Reversed by Exercise Training. <i>Hypertension</i> , 2016, 68, 1011-1020.	2.7	46
20	Beta ₂ -adrenoceptor agonist salbutamol increases protein turnover rates and alters signalling in skeletal muscle after resistance exercise in young men. <i>Journal of Physiology</i> , 2018, 596, 4121-4139.	2.9	46
21	Cycling with blood flow restriction improves performance and muscle K ⁺ regulation and alters the effect of anti-oxidant infusion in humans. <i>Journal of Physiology</i> , 2019, 597, 2421-2444.	2.9	46
22	Biomarkers of vascular function in premenopausal and recent postmenopausal women of similar age: effect of exercise training. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R510-R517.	1.8	45
23	Capillary growth, ultrastructure remodelling and exercise training in skeletal muscle of essential hypertensive patients. <i>Acta Physiologica</i> , 2015, 214, 210-220.	3.8	45
24	Adaptations to Speed Endurance Training in Highly Trained Soccer Players. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1355-1364.	0.4	44
25	Effects of exercise training and resveratrol on vascular health in aging. <i>Free Radical Biology and Medicine</i> , 2016, 98, 165-176.	2.9	41
26	Contraction-induced secretion of VEGF from skeletal muscle cells is mediated by adenosine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H857-H862.	3.2	37
27	Impaired formation of vasodilators in peripheral tissue in essential hypertension is normalized by exercise training. <i>Journal of Hypertension</i> , 2012, 30, 2007-2014.	0.5	36
28	Insulin-induced membrane permeability to glucose in human muscles at rest and following exercise. <i>Journal of Physiology</i> , 2020, 598, 303-315.	2.9	35
29	Vascular function in health, hypertension, and diabetes: effect of physical activity on skeletal muscle microcirculation. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 60-73.	2.9	34
30	Leg vascular and skeletal muscle mitochondrial adaptations to aerobic high-intensity exercise training are enhanced in the early postmenopausal phase. <i>Journal of Physiology</i> , 2017, 595, 2969-2983.	2.9	32
31	Probenecid Inhibits β -Adrenergic Receptor-Mediated Vasoconstriction in the Human Leg Vasculature. <i>Hypertension</i> , 2018, 71, 151-159.	2.7	32
32	Contribution of intravascular <i>versus</i> interstitial purines and nitric oxide in the regulation of exercise hyperaemia in humans. <i>Journal of Physiology</i> , 2012, 590, 5015-5023.	2.9	29
33	Low-volume high-intensity swim training is superior to high-volume low-intensity training in relation to insulin sensitivity and glucose control in inactive middle-aged women. <i>European Journal of Applied Physiology</i> , 2016, 116, 1889-1897.	2.5	26
34	Adaptations with Intermittent Exercise Training in Post- and Premenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 96-105.	0.4	26
35	Low blood flow at onset of moderate-intensity exercise does not limit muscle oxygen uptake. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R843-R848.	1.8	25
36	Effects of menopause and high-intensity training on insulin sensitivity and muscle metabolism. <i>Menopause</i> , 2018, 25, 165-175.	2.0	21

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37	Effect of extraluminal ATP application on vascular tone and blood flow in skeletal muscle: implications for exercise hyperemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R281-R290.	1.8	20
38	Infusion of ATP increases leg oxygen delivery but not oxygen uptake in the initial phase of intense knee extensor exercise in humans. <i>Experimental Physiology</i> , 2014, 99, 1399-1408.	2.0	20
39	Reduced blood flow to contracting skeletal muscle in ageing humans: is it all an effect of sand through the hourglass?. <i>Journal of Physiology</i> , 2016, 594, 2297-2305.	2.9	19
40	Potential of cGMP signaling increases oxygen delivery and oxidative metabolism in contracting skeletal muscle of older but not young humans. <i>Physiological Reports</i> , 2015, 3, e12508.	1.7	18
41	Cardiac Adaptations to High-Intensity Aerobic Training in Premenopausal and Recent Postmenopausal Women: The Copenhagen Women Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	18
42	Exercise training improves blood flow to contracting skeletal muscle of older men via enhanced cGMP signaling. <i>Journal of Applied Physiology</i> , 2018, 124, 109-117.	2.5	16
43	Aerobic exercise training lowers platelet reactivity and improves platelet sensitivity to prostacyclin in pre- and postmenopausal women. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 2419-2431.	3.8	15
44	The Endothelial Mechanotransduction Protein Platelet Endothelial Cell Adhesion Molecule-1 Is Influenced by Aging and Exercise Training in Human Skeletal Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 1807.	2.8	15
45	Nitrate-rich beetroot juice ingestion reduces skeletal muscle \dot{V}_{O_2} uptake and blood flow during exercise in sedentary men. <i>Journal of Physiology</i> , 2021, 599, 5203-5214.	2.9	14
46	Physiological determinants of elite mountain bike cross-country Olympic performance. <i>Journal of Sports Sciences</i> , 2019, 37, 1154-1161.	2.0	12
47	Effect of PDE5 inhibition on the modulation of sympathetic β_1 -adrenergic vasoconstriction in contracting skeletal muscle of young and older recreationally active humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1867-H1875.	3.2	10
48	Essential hypertension is associated with blunted smooth muscle cell vasodilator responsiveness and is reversed by 10-20-30 training in men. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1252-C1263.	4.6	10
49	Leg oxygen uptake in the initial phase of intense exercise is slowed by a marked reduction in oxygen delivery. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R313-R321.	1.8	9
50	Matching of O ₂ Utilization and O ₂ Delivery in Contracting Skeletal Muscle in Health, Aging, and Heart Failure. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	9
51	Effect of menopause and exercise training on plasma apolipoprotein M and sphingosine-1-phosphate. <i>Journal of Applied Physiology</i> , 2019, 126, 214-220.	2.5	8
52	Hypertension is associated with blunted NO-mediated leg vasodilator responsiveness that is reversed by high-intensity training in postmenopausal women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R712-R723.	1.8	8
53	Effects of High-Intensity Exercise Training on Adipose Tissue Mass, Glucose Uptake and Protein Content in Pre- and Post-menopausal Women. <i>Frontiers in Sports and Active Living</i> , 2020, 2, 60.	1.8	7
54	Fibrotic Signaling in Cardiac Fibroblasts and Vascular Smooth Muscle Cells: The Dual Roles of Fibrosis in HFpEF and CAD. <i>Cells</i> , 2022, 11, 1657.	4.1	7

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55	Effect of high-intensity exercise training on functional sympatholysis in young and older habitually active men. <i>Translational Sports Medicine</i> , 2018, 1, 37-45.	1.1	5
56	Effects of aging and exercise training on leg hemodynamics and oxidative metabolism in the transition from rest to steady-state exercise: role of cGMP signaling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R274-R283.	1.8	5
57	The effect of tyramine infusion and exercise on blood flow, coagulation and clot microstructure in healthy individuals. <i>Thrombosis Research</i> , 2018, 170, 32-37.	1.7	4
58	Cardiac perfusion and function after high-intensity exercise training in late premenopausal and recent postmenopausal women: an MRI study. <i>Journal of Applied Physiology</i> , 2019, 126, 1272-1280.	2.5	3
59	The Impact of Lower Limb Immobilization and Rehabilitation on Angiogenic Proteins and Capillarization in Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1797-1806.	0.4	3
60	Menopausal transition does not influence skeletal muscle capillary growth in response to cycle training in women. <i>Journal of Applied Physiology</i> , 2021, 131, 369-375.	2.5	2
61	A neutralizing antibody against DKK1 does not reduce plaque formation in classical murine models of atherosclerosis: Is the therapeutic potential lost in translation?. <i>Atherosclerosis</i> , 2020, 314, 1-9.	0.8	1
62	Semaglutide treatment attenuates vessel remodelling in ApoE ^{-/-} mice following vascular injury and blood flow perturbation. <i>Atherosclerosis Plus</i> , 2022, , .	0.7	1
63	Exercise training reverses an age-related attenuation in ATP signaling in human skeletal muscle. <i>Translational Sports Medicine</i> , 2019, 2, 248-255.	1.1	0
64	Reply to "Letter to the editor: In response to Gunnarsson et al. on improving the quality of exercise interventions". <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C908-C909.	4.6	0
65	The adenosine system in skeletal muscle of individuals with essential hypertension and the effect of physical training. <i>FASEB Journal</i> , 2012, 26, 872.12.	0.5	0
66	Resveratrol blunts the positive effects of exercise training in aged men; a double-blind, randomized, placebo-controlled training study. <i>FASEB Journal</i> , 2013, 27, 1143.7.	0.5	0
67	Does a compensatory formation of nitric oxide during inhibition of prostanoid synthesis in skeletal muscle explain the redundancy between these vasoactive systems?. <i>FASEB Journal</i> , 2013, 27, 898.7.	0.5	0