

Ylva Hellsten

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158
papers

6,209
citations

47
h-index

74
g-index

169
ext. papers

7,081
ext. citations

4.3
avg, IF

5.84
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 158 | Vasodilatory mechanisms in contracting skeletal muscle. <i>Journal of Applied Physiology</i> , 2004 , 97, 393-403 | 3.7 | 305 |
| 157 | Effects of alpha-AMPK knockout on exercise-induced gene activation in mouse skeletal muscle. <i>FASEB Journal</i> , 2005 , 19, 1146-8 | 0.9 | 230 |
| 156 | Adenosine concentrations in the interstitium of resting and contracting human skeletal muscle. <i>Circulation</i> , 1998 , 98, 6-8 | 16.7 | 198 |
| 155 | PGC-1alpha is not mandatory for exercise- and training-induced adaptive gene responses in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E463-74 | 6 | 179 |
| 154 | Localization of nitric oxide synthase in human skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 227, 88-93 | 3.4 | 179 |
| 153 | Resveratrol blunts the positive effects of exercise training on cardiovascular health in aged men. <i>Journal of Physiology</i> , 2013 , 591, 5047-59 | 3.9 | 174 |
| 152 | Effect of high intensity training on capillarization and presence of angiogenic factors in human skeletal muscle. <i>Journal of Physiology</i> , 2004 , 557, 571-82 | 3.9 | 170 |
| 151 | Formation of hydrogen peroxide and nitric oxide in rat skeletal muscle cells during contractions. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 455-64 | 7.8 | 159 |
| 150 | Vasodilator interactions in skeletal muscle blood flow regulation. <i>Journal of Physiology</i> , 2012 , 590, 6297-305 | 3.9 | 126 |
| 149 | Inhibition of nitric oxide and prostaglandins, but not endothelial-derived hyperpolarizing factors, reduces blood flow and aerobic energy turnover in the exercising human leg. <i>Journal of Physiology</i> , 2007 , 581, 853-61 | 3.9 | 114 |
| 148 | AMP deamination and purine exchange in human skeletal muscle during and after intense exercise. <i>Journal of Physiology</i> , 1999 , 520 Pt 3, 909-20 | 3.9 | 111 |
| 147 | Exercise-induced capillary growth in human skeletal muscle and the dynamics of VEGF. <i>Microcirculation</i> , 2014 , 21, 301-14 | 2.9 | 103 |
| 146 | Pro- and anti-angiogenic factors in human skeletal muscle in response to acute exercise and training. <i>Journal of Physiology</i> , 2012 , 590, 595-606 | 3.9 | 102 |
| 145 | Exercise-induced hyperaemia and leg oxygen uptake are not altered during effective inhibition of nitric oxide synthase with N(G)-nitro-L-arginine methyl ester in humans. <i>Journal of Physiology</i> , 2001 , 531, 257-64 | 3.9 | 102 |
| 144 | Cytochrome P450 2C9 plays an important role in the regulation of exercise-induced skeletal muscle blood flow and oxygen uptake in humans. <i>Journal of Physiology</i> , 2003 , 546, 307-14 | 3.9 | 97 |
| 143 | Four weeks of speed endurance training reduces energy expenditure during exercise and maintains muscle oxidative capacity despite a reduction in training volume. <i>Journal of Applied Physiology</i> , 2009 , 106, 73-80 | 3.7 | 96 |
| 142 | Advances and challenges in skeletal muscle angiogenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H326-36 | 5.2 | 95 |

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|-----|---|------|----|
| 141 | Cardiovascular Adaptations to Exercise Training. <i>Comprehensive Physiology</i> , 2015 , 6, 1-32 | 7.7 | 91 |
| 140 | Intense interval training enhances human skeletal muscle oxygen uptake in the initial phase of dynamic exercise at high but not at low intensities. <i>Journal of Physiology</i> , 2004 , 559, 335-45 | 3.9 | 91 |
| 139 | PGC-1alpha mediates exercise-induced skeletal muscle VEGF expression in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E92-103 | 6 | 90 |
| 138 | ATP-induced vasodilation and purinergic receptors in the human leg: roles of nitric oxide, prostaglandins, and adenosine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R1140-8 | 3.2 | 85 |
| 137 | Effect of sprint cycle training on activities of antioxidant enzymes in human skeletal muscle. <i>Journal of Applied Physiology</i> , 1996 , 81, 1484-7 | 3.7 | 85 |
| 136 | Exercise training, but not resveratrol, improves metabolic and inflammatory status in skeletal muscle of aged men. <i>Journal of Physiology</i> , 2014 , 592, 1873-86 | 3.9 | 84 |
| 135 | Adenosine contributes to blood flow regulation in the exercising human leg by increasing prostaglandin and nitric oxide formation. <i>Hypertension</i> , 2009 , 53, 993-9 | 8.5 | 84 |
| 134 | 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, 5361-70 | 3.9 | 83 |
| 133 | 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, 1847-57 | 3.9 | 81 |
| 132 | Skeletal muscle blood flow and oxygen uptake at rest and during exercise in humans: a pet study with nitric oxide and cyclooxygenase inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1510-7 | 5.2 | 81 |
| 131 | Exercise but not prostanoids enhance levels of vascular endothelial growth factor and other proliferative agents in human skeletal muscle interstitium. <i>Journal of Physiology</i> , 2003 , 550, 217-25 | 3.9 | 80 |
| 130 | Reduced volume but increased training intensity elevates muscle Na ⁺ -K ⁺ pump alpha1-subunit and NHE1 expression as well as short-term work capacity in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R966-74 | 3.2 | 76 |
| 129 | Copenhagen Consensus statement 2019: physical activity and ageing. <i>British Journal of Sports Medicine</i> , 2019 , 53, 856-858 | 10.3 | 71 |
| 128 | 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, 4391-400 | 3.9 | 68 |
| 127 | Passive leg movement enhances interstitial VEGF protein, endothelial cell proliferation, and eNOS mRNA content in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R975-82 | 3.2 | 68 |
| 126 | Effect of tension on contraction-induced glucose transport in rat skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 277, E208-14 | 6 | 66 |
| 125 | The effect of passive movement training on angiogenic factors and capillary growth in human skeletal muscle. <i>Journal of Physiology</i> , 2010 , 588, 3833-45 | 3.9 | 64 |
| 124 | Muscle interstitial ATP and norepinephrine concentrations in the human leg during exercise and ATP infusion. <i>Journal of Applied Physiology</i> , 2009 , 107, 1757-62 | 3.7 | 64 |

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|-----|--|-----|----|
| 123 | Intense intermittent exercise provides weak stimulus for vascular endothelial growth factor secretion and capillary growth in skeletal muscle. <i>Experimental Physiology</i> , 2013 , 98, 585-97 | 2.4 | 63 |
| 122 | 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, 1481-94 | 3.9 | 61 |
| 121 | Neuromuscular blockade of slow twitch muscle fibres elevates muscle oxygen uptake and energy turnover during submaximal exercise in humans. <i>Journal of Physiology</i> , 2008 , 586, 6037-48 | 3.9 | 60 |
| 120 | Effect of acute exercise and exercise training on VEGF splice variants in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004 , 287, R397-402 | 3.2 | 56 |
| 119 | Extracellular formation and uptake of adenosine during skeletal muscle contraction in the rat: role of adenosine transporters. <i>Journal of Physiology</i> , 2001 , 537, 597-605 | 3.9 | 55 |
| 118 | Exercise training modulates functional sympatholysis and adrenergic vasoconstrictor responsiveness in hypertensive and normotensive individuals. <i>Journal of Physiology</i> , 2014 , 592, 3063-73 | 3.9 | 53 |
| 117 | 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 | 4 | 50 |
| 116 | Comparison of exogenous adenosine and voluntary exercise on human skeletal muscle perfusion and perfusion heterogeneity. <i>Journal of Applied Physiology</i> , 2010 , 108, 378-86 | 3.7 | 50 |
| 115 | Antioxidant supplementation enhances the exercise-induced increase in mitochondrial uncoupling protein 3 and endothelial nitric oxide synthase mRNA content in human skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 353-61 | 7.8 | 50 |
| 114 | Effect of lifelong resveratrol supplementation and exercise training on skeletal muscle oxidative capacity in aging mice; impact of PGC-1 α . <i>Experimental Gerontology</i> , 2013 , 48, 1311-8 | 4.5 | 47 |
| 113 | Interstitial and plasma adenosine stimulate nitric oxide and prostacyclin formation in human skeletal muscle. <i>Hypertension</i> , 2010 , 56, 1102-8 | 8.5 | 47 |
| 112 | Two weeks of muscle immobilization impairs functional sympatholysis but increases exercise hyperemia and the vasodilatory responsiveness to infused ATP. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H2074-82 | 5.2 | 47 |
| 111 | Inhibition of nitric oxide synthesis by systemic N(G)-monomethyl-L-arginine administration in humans: effects on interstitial adenosine, prostacyclin and potassium concentrations in resting and contracting skeletal muscle. <i>Journal of Vascular Research</i> , 2000 , 37, 297-302 | 1.9 | 47 |
| 110 | Subcellular localization and mechanism of secretion of vascular endothelial growth factor in human skeletal muscle. <i>FASEB Journal</i> , 2013 , 27, 3496-504 | 0.9 | 45 |
| 109 | Indication of in vivo xanthine oxidase activity in human skeletal muscle during exercise. <i>Acta Physiologica Scandinavica</i> , 1988 , 134, 159-60 | | 45 |
| 108 | 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 | 6.4 | 44 |
| 107 | Angiogenic response to passive movement and active exercise in individuals with peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2013 , 115, 1777-87 | 3.7 | 42 |
| 106 | Exercise training normalizes skeletal muscle vascular endothelial growth factor levels in patients with essential hypertension. <i>Journal of Hypertension</i> , 2010 , 28, 1176-85 | 1.9 | 40 |

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| 105 | Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H301-H325 | 5.2 | 40 |
| 104 | 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, 524-35 | 5.6 | 39 |
| 103 | Exercise training alters the balance between vasoactive compounds in skeletal muscle of individuals with essential hypertension. <i>Hypertension</i> , 2011 , 58, 943-9 | 8.5 | 39 |
| 102 | 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, 166-73 | 7.8 | 37 |
| 101 | Regulation of VEGF and bFGF mRNA expression and other proliferative compounds in skeletal muscle cells. <i>Angiogenesis</i> , 2004 , 7, 255-67 | 10.6 | 37 |
| 100 | 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, H1111-9 | 5.2 | 35 |
| 99 | Increased skeletal muscle capillarization enhances insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E1105-16 | 6 | 34 |
| 98 | 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, R510-7 | 3.2 | 34 |
| 97 | Endurance training does not alter the level of neuronal nitric oxide synthase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000 , 89, 1033-8 | 3.7 | 34 |
| 96 | Effects of exercise training and resveratrol on vascular health in aging. <i>Free Radical Biology and Medicine</i> , 2016 , 98, 165-176 | 7.8 | 34 |
| 95 | 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, H857-62 | 5.2 | 33 |
| 94 | Impaired formation of vasodilators in peripheral tissue in essential hypertension is normalized by exercise training: role of adenosine and prostacyclin. <i>Journal of Hypertension</i> , 2012 , 30, 2007-14 | 1.9 | 32 |
| 93 | Capillary ultrastructure and mitochondrial volume density in skeletal muscle in relation to reduced exercise capacity of patients with intermittent claudication. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R943-51 | 3.2 | 32 |
| 92 | Capillary growth, ultrastructure remodelling and exercise training in skeletal muscle of essential hypertensive patients. <i>Acta Physiologica</i> , 2015 , 214, 210-20 | 5.6 | 29 |
| 91 | Early Postmenopausal Phase Is Associated With Reduced Prostacyclin-Induced Vasodilation That Is Reversed by Exercise Training: The Copenhagen Women Study. <i>Hypertension</i> , 2016 , 68, 1011-20 | 8.5 | 29 |
| 90 | The effect of muscle contraction on the regulation of adenosine formation in rat skeletal muscle cells. <i>Journal of Physiology</i> , 1999 , 518 (Pt 3), 761-8 | 3.9 | 29 |
| 89 | Contribution of intravascular versus interstitial purines and nitric oxide in the regulation of exercise hyperaemia in humans. <i>Journal of Physiology</i> , 2012 , 590, 5015-23 | 3.9 | 26 |
| 88 | 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 Suppl 4, 60-73 | 4.6 | 25 |

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| 87 | Effect of endurance versus resistance training on quadriceps muscle dysfunction in COPD: a pilot study. <i>International Journal of COPD</i> , 2016 , 11, 2659-2669 | 3 | 25 |
| 86 | 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 | 3.9 | 24 |
| 85 | 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, R843-8 | 3.2 | 24 |
| 84 | Effects of Exercise Training on Regulation of Skeletal Muscle Glucose Metabolism in Elderly Men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 866-72 | 6.4 | 23 |
| 83 | Vasoactive enzymes and blood flow responses to passive and active exercise in peripheral arterial disease. <i>Atherosclerosis</i> , 2016 , 246, 98-105 | 3.1 | 22 |
| 82 | Capillary growth in human skeletal muscle: physiological factors and the balance between pro-angiogenic and angiostatic factors. <i>Biochemical Society Transactions</i> , 2014 , 42, 1616-22 | 5.1 | 22 |
| 81 | Relationship between performance at different exercise intensities and skeletal muscle characteristics. <i>Journal of Applied Physiology</i> , 2011 , 110, 1555-63 | 3.7 | 22 |
| 80 | Effect of aerobic exercise training on asthma in adults: a systematic review and meta-analysis. <i>European Respiratory Journal</i> , 2020 , 56, | 13.6 | 21 |
| 79 | Probenecid Inhibits β Adrenergic Receptor-Mediated Vasoconstriction in the Human Leg Vasculature. <i>Hypertension</i> , 2018 , 71, 151-159 | 8.5 | 21 |
| 78 | Insulin-induced membrane permeability to glucose in human muscles at rest and following exercise. <i>Journal of Physiology</i> , 2020 , 598, 303-315 | 3.9 | 21 |
| 77 | 10-20-30 training increases performance and lowers blood pressure and VEGF in runners. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, e479-89 | 4.6 | 20 |
| 76 | Skeletal muscle signaling and the heart rate and blood pressure response to exercise: insight from heart rate pacing during exercise with a trained and a deconditioned muscle group. <i>Hypertension</i> , 2013 , 61, 1126-33 | 8.5 | 20 |
| 75 | 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, R281-90 | 3.2 | 18 |
| 74 | Adaptations with Intermittent Exercise Training in Post- and Premenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 96-105 | 1.2 | 17 |
| 73 | Leg blood flow and skeletal muscle microvascular perfusion responses to submaximal exercise in peripheral arterial disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1425-H1433 | 5.2 | 17 |
| 72 | Activation of estrogen response elements is mediated both via estrogen and muscle contractions in rat skeletal muscle myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C215-20 | 5.4 | 17 |
| 71 | High-intensity interval, but not endurance, training induces muscle fiber type-specific subsarcolemmal lipid droplet size reduction in type 2 diabetic patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E872-E884 | 6 | 16 |
| 70 | 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, 1399-408 | 2.4 | 16 |

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|----|---|------|----|
| 69 | Inducible deletion of skeletal muscle AMPK reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. <i>Molecular Metabolism</i> , 2020 , 40, 101028 | 8.8 | 15 |
| 68 | Methods for the determination of skeletal muscle blood flow: development, strengths and limitations. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1081-1094 | 3.4 | 15 |
| 67 | Early sarcomere and metabolic defects in a zebrafish cardiac arrhythmia model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24115-24121 | 11.5 | 14 |
| 66 | Opposing effects of nitric oxide and prostaglandin inhibition on muscle mitochondrial Vo(2) during exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R94-100 | 3.2 | 14 |
| 65 | The effect of two exercise modalities on skeletal muscle capillary ultrastructure in individuals with type 2 diabetes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 360-368 | 4.6 | 14 |
| 64 | Endothelial mechanotransduction proteins and vascular function are altered by dietary sucrose supplementation in healthy young male subjects. <i>Journal of Physiology</i> , 2017 , 595, 5557-5571 | 3.9 | 13 |
| 63 | Effects of menopause and high-intensity training on insulin sensitivity and muscle metabolism. <i>Menopause</i> , 2018 , 25, 165-175 | 2.5 | 13 |
| 62 | 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, 2297-305 | 3.9 | 13 |
| 61 | Effect of endurance versus resistance training on local muscle and systemic inflammation and oxidative stress in COPD. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018 , 28, 2339-2348 | 4.6 | 13 |
| 60 | 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 | 2.6 | 12 |
| 59 | Alpha adrenergic receptor blockade increases capillarization and fractional O extraction and lowers blood flow in contracting human skeletal muscle. <i>Acta Physiologica</i> , 2017 , 221, 32-43 | 5.6 | 11 |
| 58 | Impact of βadrenergic signaling in PGC-1β-mediated adaptations in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E1-E20 | 6 | 10 |
| 57 | Reduced skeletal-muscle perfusion and impaired ATP release during hypoxia and exercise in individuals with type 2 diabetes. <i>Diabetologia</i> , 2019 , 62, 485-493 | 10.3 | 10 |
| 56 | 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 | 15.4 | 9 |
| 55 | The impact of acute remote ischaemic preconditioning on cerebrovascular function. <i>European Journal of Applied Physiology</i> , 2020 , 120, 603-612 | 3.4 | 9 |
| 54 | 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 | 3.7 | 9 |
| 53 | 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, | 6 | 9 |
| 52 | Ischemic Preconditioning Improves Microvascular Endothelial Function in Remote Vasculature by Enhanced Prostacyclin Production. <i>Journal of the American Heart Association</i> , 2020 , 9, e016017 | 6 | 9 |

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| 51 | 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 | 4.6 | 9 |
| 50 | The effect of nitric oxide synthase inhibition with and without inhibition of prostaglandins on blood flow in different human skeletal muscles. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1175-1180 | 3.4 | 8 |
| 49 | Effect of PDE5 inhibition on the modulation of sympathetic 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, H1867-75 | 5.2 | 8 |
| 48 | Seven-day remote ischaemic preconditioning improves endothelial function in patients with type 2 diabetes mellitus: a randomised pilot study. <i>European Journal of Endocrinology</i> , 2019 , 181, 659-669 | 6.5 | 8 |
| 47 | The exercise timing hypothesis: can exercise training compensate for the reduction in blood vessel function after menopause if timed right?. <i>Journal of Physiology</i> , 2019 , 597, 4915-4925 | 3.9 | 7 |
| 46 | Platelet responses to pharmacological and physiological interventions in middle-aged men with different habitual physical activity levels. <i>Acta Physiologica</i> , 2018 , 223, e13028 | 5.6 | 7 |
| 45 | Limb vascular function in women Effects of female sex hormones and physical activity. <i>Translational Sports Medicine</i> , 2018 , 1, 14-24 | 1.3 | 7 |
| 44 | Leg blood flow is impaired during small muscle mass exercise in patients with COPD. <i>Journal of Applied Physiology</i> , 2017 , 123, 624-631 | 3.7 | 7 |
| 43 | Xanthine dehydrogenase and purine metabolism in man. With special reference to exercise. <i>Acta Physiologica Scandinavica Supplementum</i> , 1994 , 621, 1-73 | | 7 |
| 42 | Hyperinsulinemia does not cause de novo capillary recruitment in rat skeletal muscle. <i>Microcirculation</i> , 2020 , 27, e12593 | 2.9 | 7 |
| 41 | Lifelong Physical Activity Determines Vascular Function in Late Postmenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 627-636 | 1.2 | 7 |
| 40 | Muscle-strain injury exudate favors acute tissue healing and prolonged connective tissue formation in humans. <i>FASEB Journal</i> , 2019 , 33, 10369-10382 | 0.9 | 6 |
| 39 | Early time course of change in angiogenic proteins in human skeletal muscle and vascular cells with endurance training. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1117-1131 | 4.6 | 6 |
| 38 | Regulation of bone blood flow in humans: The role of nitric oxide, prostaglandins, and adenosine. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018 , 28, 1552-1558 | 4.6 | 6 |
| 37 | Optimizing hyaluronidase dose and plasmid DNA delivery greatly improves gene electrotransfer efficiency in rat skeletal muscle. <i>Biochemistry and Biophysics Reports</i> , 2015 , 4, 342-350 | 2.2 | 6 |
| 36 | Microvascular Function Is Impaired after Short-Term Immobilization in Healthy Men. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2107-2116 | 1.2 | 6 |
| 35 | Histamine H ₁ and H ₂ receptors are essential transducers of the integrative exercise training response in humans. <i>Science Advances</i> , 2021 , 7, | 14.3 | 6 |
| 34 | Regulation of skeletal muscle blood flow during exercise. <i>Current Opinion in Physiology</i> , 2019 , 10, 146-155 | 5.6 | 5 |

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| 33 | Angiogenic potential is reduced in skeletal muscle of aged women. <i>Journal of Physiology</i> , 2020 , 598, 5149-5164 | 3.5 | 5 |
| 32 | Effect of menopause and exercise training on plasma apolipoprotein M and sphingosine-1-phosphate. <i>Journal of Applied Physiology</i> , 2019 , 126, 214-220 | 3.7 | 5 |
| 31 | 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 | 1.3 | 4 |
| 30 | Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020 , 129, 1122-1135 | 3.7 | 4 |
| 29 | Does Exercise Influence the Susceptibility to Arterial Thrombosis? An Integrative Perspective. <i>Frontiers in Physiology</i> , 2021 , 12, 636027 | 4.6 | 4 |
| 28 | 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 | 2.3 | 3 |
| 27 | 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 | 3.2 | 3 |
| 26 | The effect of purinergic P2 receptor blockade on skeletal muscle exercise hyperemia in miniature swine. <i>European Journal of Applied Physiology</i> , 2014 , 114, 2147-55 | 3.4 | 3 |
| 25 | Bengt Saltin (1935-2014). <i>Journal of Physiology</i> , 2014 , 592, 5149-51 | 3.9 | 3 |
| 24 | 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 | 8.2 | 2 |
| 23 | Assessment of diabetic foot ulcers based on pictorial material: an interobserver study. <i>Journal of Wound Care</i> , 2020 , 29, 658-663 | 2.2 | 2 |
| 22 | AXIN1 knockout does not alter AMPK/mTORC1 regulation and glucose metabolism in mouse skeletal muscle. <i>Journal of Physiology</i> , 2021 , 599, 3081-3100 | 3.9 | 2 |
| 21 | 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 | 3.7 | 1 |
| 20 | What turns off the angiogenic switch in skeletal muscle?. <i>Experimental Physiology</i> , 2015 , 100, 772-3 | 2.4 | 1 |
| 19 | Redox balance in human skeletal muscle-derived endothelial cells - Effect of exercise training.. <i>Free Radical Biology and Medicine</i> , 2021 , 179, 144-144 | 7.8 | 1 |
| 18 | Measurement of Insulin- and Contraction-Stimulated Glucose Uptake in Isolated and Incubated Mature Skeletal Muscle from Mice. <i>Journal of Visualized Experiments</i> , 2021 , | 1.6 | 1 |
| 17 | A High Activity Level Is Required for Augmented Muscle Capillarization in Older Women. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 894-903 | 1.2 | 1 |
| 16 | High metabolic substrate load induces mitochondrial dysfunction in rat skeletal muscle microvascular endothelial cells. <i>Physiological Reports</i> , 2021 , 9, e14855 | 2.6 | 1 |

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| 15 | 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 | 3.7 | o |
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