Michael J Joyner

List of Publications by Citations

504 papers	18,187 citations	71 h-index	118 g-index
571 ext. papers	21,335 ext. citations	5.5 avg, IF	7.24 L-index

#	Paper	IF	Citations
504	Endurance exercise performance: the physiology of champions. *Journal of Physiology*, **2008**, 586, 35-44	3.9	526
503	Integrative biology of exercise. *Cell*, **2014**, 159, 738-49	56.2	511
502	Nitric oxide and neurally mediated regulation of skin blood flow during local heating. *Journal of Applied Physiology*, **2001**, 91, 1619-26	3.7	510
501	Deployment of convalescent plasma for the prevention and treatment of COVID-19. *Journal of Clinical Investigation*, **2020**, 130, 2757-2765	15.9	500
500	Endurance exercise as a countermeasure for aging. *Diabetes*, **2008**, 57, 2933-42	0.9	398
499	Influence of the menstrual cycle on sympathetic activity, baroreflex sensitivity, and vascular transduction in young women. *Circulation*, **2000**, 101, 862-8	16.7	375
498	Regulation of increased blood flow (hyperemia) to muscles during exercise: a hierarchy of competing physiological needs. *Physiological Reviews*, **2015**, 95, 549-601	47.9	320
497	Early safety indicators of COVID-19 convalescent plasma in 5000 patients. *Journal of Clinical Investigation*, **2020**, 130, 4791-4797	15.9	286
496	Exercise protects the cardiovascular system: effects beyond traditional risk factors. *Journal of Physiology*, **2009**, 587, 5551-8	3.9	281
495	Safety Update: COVID-19 Convalescent Plasma in 20,000 Hospitalized Patients. *Mayo Clinic Proceedings*, **2020**, 95, 1888-1897	6.4	253
494	Convalescent Plasma Antibody Levels and the Risk of Death from Covid-19. *New England Journal of Medicine*, **2021**, 384, 1015-1027	59.2	251
493	Exercise benefits in cardiovascular disease: beyond attenuation of traditional risk factors. *Nature Reviews Cardiology*, **2018**, 15, 731-743	14.8	232
492	Sex differences in sympathetic neural-hemodynamic balance: implications for human blood pressure regulation. *Hypertension*, **2009**, 53, 571-6	8.5	225
491	Postural tachycardia syndrome (POTS). *Journal of Cardiovascular Electrophysiology*, **2009**, 20, 352-8	2.7	214
490	Contribution of nitric oxide and prostaglandins to reactive hyperemia in human forearm. *Journal of Applied Physiology*, **1996**, 81, 1807-14	3.7	208
489	Sex and ageing differences in resting arterial pressure regulation: the role of the □adrenergic receptors. *Journal of Physiology*, **2011**, 589, 5285-97	3.9	205
488	Exercise attenuates the major hallmarks of aging. *Rejuvenation Research*, **2015**, 18, 57-89	2.6	181

487	Exercise and cardiovascular risk reduction: time to update the rationale for exercise?. *Journal of Applied Physiology*, **2008**, 105, 766-8	3.7	180
486	Reduced leg blood flow during dynamic exercise in older endurance-trained men. *Journal of Applied Physiology*, **1998**, 85, 68-75	3.7	180
485	Beneficial effects of GLP-1 on endothelial function in humans: dampening by glyburide but not by glimepiride. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1289-95	6	178
484	VO2max trainability and high intensity interval training in humans: a meta-analysis. *PLoS ONE*, **2013**, 8, e73182	3.7	151
483	Is sympathetic neural vasoconstriction blunted in the vascular bed of exercising human muscle?. *Journal of Physiology*, **2002**, 541, 623-35	3.9	147
482	Skeletal muscle mass and the reduction of VO2max in trained older subjects. *Journal of Applied Physiology*, **1997**, 82, 1411-5	3.7	145
481	The effects of the alveolar recruitment maneuver and positive end-expiratory pressure on arterial oxygenation during laparoscopic bariatric surgery. *Anesthesia and Analgesia*, **2006**, 102, 298-305	3.9	144
480	Aging and forearm postjunctional alpha-adrenergic vasoconstriction in healthy men. *Circulation*, **2002**, 106, 1349-54	16.7	144
479	Local inhibition of nitric oxide and prostaglandins independently reduces forearm exercise hyperaemia in humans. *Journal of Physiology*, **2004**, 557, 599-611	3.9	142
478	Effect of Convalescent Plasma on Mortality among Hospitalized Patients with COVID-19: Initial Three-Month Experience **2020**,		142
477	Seven Questions for Personalized Medicine. *JAMA - Journal of the American Medical Association*, **2015**, 314, 999-1000	27.4	139
476	Effects of nitric oxide synthase inhibition on cutaneous vasodilation during body heating in humans. *Journal of Applied Physiology*, **1998**, 85, 830-4	3.7	138
475	Clinical neurocardiology defining the value of neuroscience-based cardiovascular therapeutics. *Journal of Physiology*, **2016**, 594, 3911-54	3.9	131
474	Nitric oxide and vasodilation in human limbs. *Journal of Applied Physiology*, **1997**, 83, 1785-96	3.7	128
473	Blunted sympathetic vasoconstriction in contracting skeletal muscle of healthy humans: is nitric oxide obligatory?. *Journal of Physiology*, **2003**, 553, 281-92	3.9	128
472	From Belfast to Mayo and beyond: the use and future of plethysmography to study blood flow in human limbs. *Journal of Applied Physiology*, **2001**, 91, 2431-41	3.7	127
471	Effect of systemic nitric oxide synthase inhibition on postexercise hypotension in humans. *Journal of Applied Physiology*, **2000**, 89, 1830-6	3.7	125
470	Sympathetic nervous system and blood pressure in humans: individualized patterns of regulation and their implications. *Hypertension*, **2010**, 56, 10-6	8.5	124

469	Effects of pioglitazone versus glipizide on body fat distribution, body water content, and hemodynamics in type 2 diabetes. *Diabetes Care*, **2006**, 29, 510-4	14.6	117
468	Sex, ageing and resting blood pressure: gaining insights from the integrated balance of neural and haemodynamic factors. *Journal of Physiology*, **2012**, 590, 2069-79	3.9	113
467	Effects of regional phentolamine on hypoxic vasodilatation in healthy humans. *Journal of Physiology*, **2001**, 537, 613-21	3.9	106
466	Sex differences and blood pressure regulation in humans. *Experimental Physiology*, **2016**, 101, 349-55	2.4	105
465	An obligation for primary care physicians to prescribe physical activity to sedentary patients to reduce the risk of chronic health conditions. *Mayo Clinic Proceedings*, **2002**, 77, 165-73	6.4	101
464	Physiological Limiting Factors and Distance Running. *Exercise and Sport Sciences Reviews*, **1993**, 21, 103??31	3.7	101
463	Forearm sympathetic withdrawal and vasodilatation during mental stress in humans. *Journal of Physiology*, **1997**, 504 (Pt 1), 211-20	3.9	100
462	Ageing reduces nitric-oxide- and prostaglandin-mediated vasodilatation in exercising humans. *Journal of Physiology*, **2007**, 579, 227-36	3.9	99
461	Sympathetic activity and baroreflex sensitivity in young women taking oral contraceptives. *Circulation*, **2000**, 102, 1473-6	16.7	98
460	Influence of age and gender on cardiac output-VO2 relationships during submaximal cycle ergometry. *Journal of Applied Physiology*, **1998**, 84, 599-605	3.7	98
459	Effects of atropine and L-NAME on cutaneous blood flow during body heating in humans. *Journal of Applied Physiology*, **2000**, 88, 467-72	3.7	97
458	Impaired modulation of sympathetic alpha-adrenergic vasoconstriction in contracting forearm muscle of ageing men. *Journal of Physiology*, **2005**, 567, 311-21	3.9	94
457	Nitric oxide contributes to the augmented vasodilatation during hypoxic exercise. *Journal of Physiology*, **2010**, 588, 373-85	3.9	92
456	A sympathetic view of the sympathetic nervous system and human blood pressure regulation. *Experimental Physiology*, **2008**, 93, 715-24	2.4	92
455	Energy expenditure and activity of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. *Archives of Physical Medicine and Rehabilitation*, **2008**, 89, 1380-5	2.8	92
454	Measurement of limb venous compliance in humans: technical considerations and physiological findings. *Journal of Applied Physiology*, **1999**, 87, 1555-63	3.7	90
453	Compensatory vasodilatation during hypoxic exercise: mechanisms responsible for matching oxygen supply to demand. *Journal of Physiology*, **2012**, 590, 6321-6	3.9	84
452	Men are more likely than women to slow in the marathon. *Medicine and Science in Sports and Exercise*, **2015**, 47, 607-16	1.2	83

451	Cardiovascular regulation during apnea in elite divers. *Hypertension*, **2009**, 53, 719-24	8.5	81
450	Blood Substitutes. *Anesthesia and Analgesia*, **1996**, 82, 390-405	3.9	80
449	Angiotensin-converting enzyme genotype modulates pulmonary function and exercise capacity in treated patients with congestive stable heart failure. *Circulation*, **2002**, 106, 1794-9	16.7	79
448	Reply from Erica A. Wehrwein, Rita Basu, Ananda Basu, Timothy B. Curry, Robert A. Rizza and Michael J. Joyner. *Journal of Physiology*, **2011**, 589, 1237-1238	3.9	78
447	Response to the Letter to the Editor from Professor James Timmons. *Journal of Physiology*, **2011**, 589, 4803-4803	3.9	78
446	Physiologic considerations for exercise performance in women. *Clinics in Chest Medicine*, **2004**, 25, 247-55	3.3	78
445	Reply from M. J. Joyner. *Journal of Physiology*, **2005**, 569, 708-708	3.9	78
444	Exercise hyperaemia: is anything obligatory but the hyperaemia?. *Journal of Physiology*, **2007**, 583, 855-60	3.9	77
443	alpha1- and alpha2-adrenergic vasoconstriction is blunted in contracting human muscle. *Journal of Physiology*, **2003**, 547, 971-6	3.9	77
442	Deconditioning in patients with orthostatic intolerance. *Neurology*, **2012**, 79, 1435-9	6.5	76
441	Combined NO and PG inhibition augments alpha-adrenergic vasoconstriction in contracting human skeletal muscle. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H2576-84	5.2	75
440	Beta(2)-adrenergic receptor polymorphism and nitric oxide-dependent forearm blood flow responses to isoproterenol in humans. *Journal of Physiology*, **2003**, 546, 583-9	3.9	75
439	Effects of respiratory muscle work on blood flow distribution during exercise in heart failure. *Journal of Physiology*, **2010**, 588, 2487-501	3.9	74
438	Influences of hydration on post-exercise cardiovascular control in humans. *Journal of Physiology*, **2003**, 552, 635-44	3.9	74
437	Age-related differences in the sympathetic-hemodynamic balance in men. *Hypertension*, **2009**, 54, 127-33	8.5	72
436	Influence of age and sex on the pressor response following a spontaneous burst of muscle sympathetic nerve activity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 302, H2419-27	5.2	72
435	Regulation of blood pressure by the arterial baroreflex and autonomic nervous system. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2013**, 117, 89-102	3	71
434	Baroreceptor function during exercise: resetting the record. *Experimental Physiology*, **2006**, 91, 27-36	2.4	69

433	Reductions in central venous pressure by lower body negative pressure or blood loss elicit similar hemodynamic responses. *Journal of Applied Physiology*, **2014**, 117, 131-41	3.7	68
432	Ovarian cycle and sympathoexcitation in premenopausal women. *Hypertension*, **2013**, 61, 395-9	8.5	68
431	Local control of skeletal muscle blood flow during exercise: influence of available oxygen. *Journal of Applied Physiology*, **2011**, 111, 1527-38	3.7	68
430	Excessive heart rate response to orthostatic stress in postural tachycardia syndrome is not caused by anxiety. *Journal of Applied Physiology*, **2007**, 102, 896-903	3.7	68
429	Cerebrovascular reactivity is associated with maximal aerobic capacity in healthy older adults. *Journal of Applied Physiology*, **2013**, 114, 1383-7	3.7	67
428	Aging is associated with reduced prostacyclin-mediated dilation in the human forearm. *Hypertension*, **2009**, 53, 973-8	8.5	67
427	What Happens When Underperforming Big Ideas in Research Become Entrenched?. *JAMA - Journal of the American Medical Association*, **2016**, 316, 1355-1356	27.4	67
426	Aging enhances autonomic support of blood pressure in women. *Hypertension*, **2014**, 63, 303-8	8.5	66
425	Quantifying sympathetic neuro-haemodynamic transduction at rest in humans: insights into sex, ageing and blood pressure control. *Journal of Physiology*, **2016**, 594, 4753-68	3.9	64
424	The Effect of Convalescent Plasma Therapy on Mortality Among Patients With COVID-19: Systematic Review and Meta-analysis. *Mayo Clinic Proceedings*, **2021**, 96, 1262-1275	6.4	64
423	POTS versus deconditioning: the same or different?. *Clinical Autonomic Research*, **2008**, 18, 300-7	4.3	63
422	Arg16Gly polymorphism of the beta2-adrenergic receptor is associated with differences in cardiovascular function at rest and during exercise in humans. *Journal of Physiology*, **2006**, 571, 121-30	3.9	62
421	Ten questions about systems biology. *Journal of Physiology*, **2011**, 589, 1017-30	3.9	61
420	Relationship between muscle sympathetic nerve activity and aortic wave reflection characteristics in young men and women. *Hypertension*, **2011**, 57, 421-7	8.5	60
419	Autonomic control of body temperature and blood pressure: influences of female sex hormones. *Clinical Autonomic Research*, **2017**, 27, 149-155	4.3	58
418	Neural control of the circulation: how sex and age differences interact in humans. *Comprehensive Physiology*, **2015**, 5, 193-215	7.7	58
417	Influence of locomotor muscle afferent inhibition on the ventilatory response to exercise in heart failure. *Experimental Physiology*, **2014**, 99, 414-26	2.4	58
416	Alpha-adrenergic control of skeletal muscle circulation at rest and during exercise in aging humans. *Microcirculation*, **2006**, 13, 329-41	2.9	58

415	Effects of chronic sympathectomy on vascular function in the human forearm. *Journal of Applied Physiology*, **2002**, 92, 2019-25	3.7	58
414	Hyperoxia blunts counterregulation during hypoglycaemia in humans: possible role for the carotid bodies?. *Journal of Physiology*, **2010**, 588, 4593-601	3.9	56
413	Baroreflex sensitivity inversely correlates with ambulatory blood pressure in healthy normotensive humans. *Hypertension*, **2007**, 50, 41-6	8.5	56
412	Promises, promises, and precision medicine. *Journal of Clinical Investigation*, **2019**, 129, 946-948	15.9	56
411	Sympathetic withdrawal and forearm vasodilation during vasovagal syncope in humans. *Journal of Applied Physiology*, **1997**, 82, 1785-93	3.7	55
410	Impact of aging on conduit artery retrograde and oscillatory shear at rest and during exercise: role of nitric oxide. *Hypertension*, **2011**, 57, 484-9	8.5	53
409	Post-junctional alpha-adrenoceptors and basal limb vascular tone in healthy men. *Journal of Physiology*, **2002**, 540, 1103-10	3.9	53
408	Skeletal muscle vasodilatation during sympathoexcitation is not neurally mediated in humans. *Journal of Physiology*, **2000**, 525 Pt 1, 253-62	3.9	53
407	Muscle blood flow, hypoxia, and hypoperfusion. *Journal of Applied Physiology*, **2014**, 116, 852-7	3.7	52
406	Nitric oxide and muscle blood flow in exercise. *Applied Physiology, Nutrition and Metabolism*, **2008**, 33, 151-61	3	52
405	Selective alpha2-adrenergic properties of dexmedetomidine over clonidine in the human forearm. *Journal of Applied Physiology*, **2005**, 99, 587-92	3.7	51
404	Neurovascular control of blood pressure is influenced by aging, sex, and sex hormones. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 311, R1271-R1275	3.2	50
403	Physiological limits to endurance exercise performance: influence of sex. *Journal of Physiology*, **2017**, 595, 2949-2954	3.9	49
402	Effects of chronic sympathectomy on locally mediated cutaneous vasodilation in humans. *Journal of Applied Physiology*, **2002**, 92, 685-90	3.7	49
401	Cardiac baroreflex sensitivity is not correlated to sympathetic baroreflex sensitivity within healthy, young humans. *Hypertension*, **2010**, 56, 1118-23	8.5	48
400	Failure of systemic hypoxia to blunt alpha-adrenergic vasoconstriction in the human forearm. *Journal of Physiology*, **2003**, 549, 985-94	3.9	48
399	Association of Convalescent Plasma Therapy With Survival in Patients With Hematologic Cancers and COVID-19. *JAMA Oncology*, **2021**,	13.4	47
398	Reflex responses to regional venous pooling during lower body negative pressure in humans. *Journal of Applied Physiology*, **1998**, 84, 454-8	3.7	46

397	Relationship of sympathetic activity to bone microstructure, turnover, and plasma osteopontin levels in women. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 4219-27	5.6	45
396	Aging decreases expression and activity of glutathione peroxidase-1 in human endothelial progenitor cells. *Microvascular Research*, **2009**, 78, 447-52	3.7	45
395	Reduced stroke volume during exercise in postural tachycardia syndrome. *Journal of Applied Physiology*, **2007**, 103, 1128-35	3.7	45
394	Cyclooxygenase inhibition abolishes age-related differences in cerebral vasodilator responses to hypercapnia. *Journal of Applied Physiology*, **2012**, 112, 1884-90	3.7	44
393	Contribution of nitric oxide in the contraction-induced rapid vasodilation in young and older adults. *Journal of Applied Physiology*, **2013**, 115, 446-55	3.7	44
392	The Arg16/Gly beta2-adrenergic receptor polymorphism is associated with altered cardiovascular responses to isometric exercise. *Physiological Genomics*, **2004**, 16, 323-8	3.6	44
391	Sympathetic 1-adrenergic signaling contributes to regulation of human bone metabolism. *Journal of Clinical Investigation*, **2018**, 128, 4832-4842	15.9	44
390	Sex differences in large conducting airway anatomy. *Journal of Applied Physiology*, **2018**, 125, 960-965	3.7	43
389	Influence of locomotor muscle metaboreceptor stimulation on the ventilatory response to exercise in heart failure. *Circulation: Heart Failure*, **2010**, 3, 212-9	7.6	43
388	Arg16/Gly beta2-adrenergic receptor polymorphism alters the cardiac output response to isometric exercise. *Journal of Applied Physiology*, **2005**, 99, 1776-81	3.7	43
387	Systemic hypoxia and vasoconstrictor responsiveness in exercising human muscle. *Journal of Applied Physiology*, **2006**, 101, 1343-50	3.7	42
386	Influence of beta2-adrenergic receptor genotype on airway function during exercise in healthy adults. *Chest*, **2006**, 129, 762-70	5.3	42
385	Oral Contraceptive Use, Muscle Sympathetic Nerve Activity, and Systemic Hemodynamics in Young Women. *Hypertension*, **2015**, 66, 590-7	8.5	41
384	beta-Receptor agonist activity of phenylephrine in the human forearm. *Journal of Applied Physiology*, **2001**, 90, 1855-9	3.7	41
383	Muscle blood flow during exercise: the limits of reductionism. *Medicine and Science in Sports and Exercise*, **1999**, 31, 1036-40	1.2	41
382	Hysteresis in the sympathetic baroreflex: role of baseline nerve activity. *Journal of Physiology*, **2011**, 589, 3395-404	3.9	40
381	Exercise intensity-dependent contribution of beta-adrenergic receptor-mediated vasodilatation in hypoxic humans. *Journal of Physiology*, **2008**, 586, 1195-205	3.9	40
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379	Reduced submaximal leg blood flow after high-intensity aerobic training. *Journal of Applied Physiology*, **2001**, 91, 2619-27	3.7	40
378	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H301-H325	5.2	40
377	The effect of liraglutide on endothelial function in patients with type 2 diabetes. *Diabetes and Vascular Disease Research*, **2014**, 11, 419-30	3.3	39
376	□adrenergic vasoconstriction contributes to the age-related increase in conduit artery retrograde and oscillatory shear. *Hypertension*, **2012**, 60, 1016-22	8.5	39
375	Genetic variation of the beta2-adrenergic receptor is associated with differences in lung fluid accumulation in humans. *Journal of Applied Physiology*, **2007**, 102, 2172-8	3.7	38
374	Exogenous NO administration and alpha-adrenergic vasoconstriction in human limbs. *Journal of Applied Physiology*, **2003**, 95, 2370-4	3.7	38
373	Three hours of intermittent hypoxia increases circulating glucose levels in healthy adults. *Physiological Reports*, **2017**, 5, e13106	2.6	37
372	Genotype related differences in beta2 adrenergic receptor density and cardiac function. *Medicine and Science in Sports and Exercise*, **2006**, 38, 882-6	1.2	37
371	The Effect of Convalescent Plasma Therapy on COVID-19 Patient Mortality: Systematic Review and Meta-analysis **2021**,		37
370	Influence of sympathetic nerve activity on aortic hemodynamics and pulse wave velocity in women. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H340-H346	5.2	36
369	Agonist-dependent variablity of contributions of nitric oxide and prostaglandins in human skeletal muscle. *Journal of Applied Physiology*, **2005**, 98, 1251-7	3.7	36
368	SARS-CoV-2 viral load and antibody responses: the case for convalescent plasma therapy. *Journal of Clinical Investigation*, **2020**, 130, 5112-5114	15.9	36
367	Bimodal distribution of vasodilator responsiveness to adenosine due to difference in nitric oxide contribution: implications for exercise hyperemia. *Journal of Applied Physiology*, **2006**, 101, 492-9	3.7	35
366	Influences of adenosine receptor antagonism on vasodilator responses to adenosine and exercise in adenosine responders and nonresponders. *Journal of Applied Physiology*, **2006**, 101, 1678-84	3.7	34
365	Ageing reduces the compensatory vasodilatation during hypoxic exercise: the role of nitric oxide. *Journal of Physiology*, **2011**, 589, 1477-88	3.9	33
364	Influence of □adrenergic vasoconstriction on the blunted skeletal muscle contraction-induced rapid vasodilation with aging. *Journal of Applied Physiology*, **2012**, 113, 1201-12	3.7	32
363	Roles of nitric oxide synthase and cyclooxygenase in leg vasodilation and oxygen consumption during prolonged low-intensity exercise in untrained humans. *Journal of Applied Physiology*, **2010**, 109, 768-77	3.7	32
362	Sex differences in alpha-adrenergic support of blood pressure. *Clinical Autonomic Research*, **2010**, 20, 271-5	4.3	32

361	Vasovagal syncope and skeletal muscle vasodilatation: the continuing conundrum. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 775-80	1.6	32
360	Closer to the edge? Contractions, pressures, waterfalls and blood flow to contracting skeletal muscle. *Journal of Applied Physiology*, **2003**, 94, 3-5	3.7	32
359	Cardiorespiratory effects of inelastic chest wall restriction. *Journal of Applied Physiology*, **2002**, 92, 2419-28	3.7	32
358	SARS-CoV-2 variants and convalescent plasma: reality, fallacies, and opportunities. *Journal of Clinical Investigation*, **2021**, 131,	15.9	31
357	Nitric oxide-mediated vasodilation becomes independent of beta-adrenergic receptor activation with increased intensity of hypoxic exercise. *Journal of Applied Physiology*, **2011**, 110, 687-94	3.7	30
356	Adenosine receptor antagonist and augmented vasodilation during hypoxic exercise. *Journal of Applied Physiology*, **2009**, 107, 1128-37	3.7	30
355	Central chemoreflex sensitivity and sympathetic neural outflow in elite breath-hold divers. *Journal of Applied Physiology*, **2008**, 104, 205-11	3.7	30
354	Sex and vasodilator responses to hypoxia at rest and during exercise. *Journal of Applied Physiology*, **2014**, 116, 927-36	3.7	29
353	Exercise biology and medicine: innovative research to improve global health. *Mayo Clinic Proceedings*, **2014**, 89, 148-53	6.4	29
352	Forearm vascular control during acute hyperglycemia in healthy humans. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 286, E472-80	6	29
351	Exercise hyperemia and vasoconstrictor responses in humans with cystic fibrosis. *Journal of Applied Physiology*, **2005**, 99, 1866-71	3.7	29
350	Is precision medicine the route to a healthy world?. *Lancet, The*, **2015**, 385, 1617	40	28
349	NOS inhibition blunts and delays the compensatory dilation in hypoperfused contracting human muscles. *Journal of Applied Physiology*, **2009**, 107, 1685-92	3.7	28
348	Activation of peroxisome proliferator-activated receptor-{delta} enhances regenerative capacity of human endothelial progenitor cells by stimulating biosynthesis of tetrahydrobiopterin. *Hypertension*, **2011**, 58, 287-94	8.5	28
347	Vascular response to angiotensin II in upper body obesity. *Hypertension*, **2004**, 44, 435-41	8.5	28
346	Nitric oxide and physiologic vasodilation in human limbs: where do we go from here?. *Applied Physiology, Nutrition, and Metabolism*, **2003**, 28, 475-90		28
345	Early Safety Indicators of COVID-19 Convalescent Plasma in 5,000 Patients **2020**,		28
344	Concepts About V̇O2max and Trainability Are Context Dependent. *Exercise and Sport Sciences Reviews*, **2018**, 46, 138-143	6.7	27

343	Measuring muscle blood flow: a key link between systemic and regional metabolism. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2008**, 11, 580-6	3.8	26
342	Effects of combined inhibition of ATP-sensitive potassium channels, nitric oxide, and prostaglandins on hyperemia during moderate exercise. *Journal of Applied Physiology*, **2006**, 100, 1506-12	3.7	26
341	Dietary sodium restriction and beta2-adrenergic receptor polymorphism modulate cardiovascular function in humans. *Journal of Physiology*, **2006**, 574, 955-65	3.9	26
340	The Principles of Antibody Therapy for Infectious Diseases with Relevance for COVID-19. *MBio*, **2021**, 12,	7.8	26
339	Sympatholytic effect of intravascular ATP is independent of nitric oxide, prostaglandins, Na /K -ATPase and K channels in humans. *Journal of Physiology*, **2017**, 595, 5175-5190	3.9	25
338	Effect of bilateral carotid body resection on cardiac baroreflex control of blood pressure during hypoglycemia. *Hypertension*, **2015**, 65, 1365-71	8.5	25
337	Acute effects of a mixed meal on arterial stiffness and central hemodynamics in healthy adults. *American Journal of Hypertension*, **2014**, 27, 331-7	2.3	25
336	Sex differences in salt sensitivity to nitric oxide dependent vasodilation in healthy young adults. *Journal of Applied Physiology*, **2012**, 112, 1049-53	3.7	25
335	Having it both ways? Vasoconstriction in contracting muscles. *Journal of Physiology*, **2003**, 550, 333	3.9	25
334	Aging Alters the Relative Contributions of the Sympathetic and Parasympathetic Nervous System to Blood Pressure Control in Women. *Hypertension*, **2018**, 72, 1236-1242	8.5	25
333	Precision Medicine, Cardiovascular Disease and Hunting Elephants. *Progress in Cardiovascular Diseases*, **2016**, 58, 651-60	8.5	24
332	Effects of strict prolonged bed rest on cardiorespiratory fitness: systematic review and meta-analysis. *Journal of Applied Physiology*, **2017**, 123, 790-799	3.7	24
331	Forearm vasodilator responses to a □adrenergic receptor agonist in premenopausal and postmenopausal women. *Physiological Reports*, **2014**, 2, e12032	2.6	24
330	Giant sucking sound: can physiology fill the intellectual void left by the reductionists?. *Journal of Applied Physiology*, **2011**, 111, 335-42	3.7	24
329	Cerebrovascular reactivity to hypercapnia is unimpaired in breath-hold divers. *Journal of Physiology*, **2007**, 582, 723-30	3.9	24
328	Interindividual variability in the dose-specific effect of dopamine on carotid chemoreceptor sensitivity to hypoxia. *Journal of Applied Physiology*, **2016**, 120, 138-47	3.7	23
327	Physiological Mechanisms Mediating the Coupling between Heart Period and Arterial Pressure in Response to Postural Changes in Humans. *Frontiers in Physiology*, **2017**, 8, 163	4.6	23
326	Cerebral blood velocity regulation during progressive blood loss compared with lower body negative pressure in humans. *Journal of Applied Physiology*, **2015**, 119, 677-85	3.7	23

325	Blood pressure regulation in humans: calculation of an "error signal" in control of sympathetic nerve activity. *Hypertension*, **2010**, 55, 264-9	8.5	23
324	Acute adrenergic blockade increases aortic wave reflection in young men and women: differing mechanisms between sexes. *Hypertension*, **2012**, 59, 145-50	8.5	23
323	Genetics of beta2-adrenergic receptors and the cardiopulmonary response to exercise. *Exercise and Sport Sciences Reviews*, **2008**, 36, 98-105	6.7	23
322	Forearm blood flow responses to handgripping after local neuromuscular blockade. *Journal of Applied Physiology*, **1998**, 84, 754-8	3.7	23
321	Lifelong Endurance Exercise as a Countermeasure Against Age-Related [Formula: see text] Decline: Physiological Overview and Insights from Masters Athletes. *Sports Medicine*, **2020**, 50, 703-716	10.6	23
320	Coagulation changes during lower body negative pressure and blood loss in humans. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H1591-7	5.2	22
319	Ergogenic Effect of Nitrate Supplementation: A Systematic Review and Meta-analysis. *Medicine and Science in Sports and Exercise*, **2020**, 52, 2250-2261	1.2	22
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