

Andrew C Betik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1578584/publications.pdf>

Version: 2024-02-01

33
papers

840
citations

567247

15
h-index

477281

29
g-index

33
all docs

33
docs citations

33
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , 2017, 66, 1501-1510.	0.6	120
2	Determinants of $\dot{V}O_{2\max}$ decline with aging: an integrated perspective. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008, 33, 130-140.	1.9	117
3	No Decline in Skeletal Muscle Oxidative Capacity With Aging in Long-Term Calorically Restricted Rats: Effects Are Independent of Mitochondrial DNA Integrity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 675-684.	3.6	77
4	Effects on the crank torque profile when changing pedalling cadence in level ground and uphill road cycling. <i>Journal of Biomechanics</i> , 2005, 38, 1003-1010.	2.1	57
5	Effects of a wheelchair ergometer training programme on spinal cord-injured persons. <i>Spinal Cord</i> , 2003, 41, 451-456.	1.9	55
6	Exercise training from late middle age until senescence does not attenuate the declines in skeletal muscle aerobic function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R744-R755.	1.8	45
7	Exercise training initiated in late middle age attenuates cardiac fibrosis and advanced glycation end-product accumulation in senescent rats. <i>Experimental Gerontology</i> , 2014, 50, 9-18.	2.8	41
8	Attempting to Compensate for Reduced Neuronal Nitric Oxide Synthase Protein with Nitrate Supplementation Cannot Overcome Metabolic Dysfunction but Rather Has Detrimental Effects in Dystrophin-Deficient mdx Muscle. <i>Neurotherapeutics</i> , 2017, 14, 429-446.	4.4	28
9	Initiating treadmill training in late middle age offers modest adaptations in Ca^{2+} handling but enhances oxidative damage in senescent rat skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1269-R1278.	1.8	27
10	Exercise training in late middle-aged male Fischer 344 × Brown Norway F1 hybrid rats improves skeletal muscle aerobic function. <i>Experimental Physiology</i> , 2008, 93, 863-871.	2.0	26
11	Hindlimb Immobilization, But Not Castration, Induces Reduction of Undercarboxylated Osteocalcin Associated With Muscle Atrophy in Rats. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1967-1978.	2.8	25
12	Role of nitric oxide in skeletal muscle glucose uptake during exercise. <i>Experimental Physiology</i> , 2014, 99, 1569-1573.	2.0	23
13	Initiating exercise training in late middle age minimally protects muscle contractile function and increases myocyte oxidative damage in senescent rats. <i>Experimental Gerontology</i> , 2010, 45, 856-867.	2.8	21
14	Gross Efficiency and Cycling Economy Are Higher in the Field as Compared with on an Axiom Stationary Ergometer. <i>Journal of Applied Biomechanics</i> , 2012, 28, 636-644.	0.8	17
15	Cardiac calcium pump inactivation and nitrosylation in senescent rat myocardium are not attenuated by long-term treadmill training. <i>Experimental Gerontology</i> , 2011, 46, 803-810.	2.8	15
16	Glucose uptake during contraction in isolated skeletal muscles from neuronal nitric oxide synthase $\frac{1}{4}$ knockout mice. <i>Journal of Applied Physiology</i> , 2015, 118, 1113-1121.	2.5	14
17	Systematic review and meta-analysis evaluating the effects electric bikes have on physiological parameters. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 1076-1088.	2.9	13
18	High-glucose mixed-nutrient meal ingestion impairs skeletal muscle microvascular blood flow in healthy young men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E1014-E1021.	3.5	12

#	ARTICLE	IF	CITATIONS
19	No effect of NOS inhibition on skeletal muscle glucose uptake during in situ hindlimb contraction in healthy and diabetic Sprague-Dawley rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R862-R871.	1.8	11
20	Metformin improves vascular and metabolic insulin action in insulin-resistant muscle. <i>Journal of Endocrinology</i> , 2019, 243, 85-96.	2.6	11
21	Skeletal muscle glucose uptake during treadmill exercise in neuronal nitric oxide synthase-1/4 knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E838-E845.	3.5	10
22	Postprandial microvascular blood flow in skeletal muscle: Similarities and disparities to the hyperinsulinaemic-euglycaemic clamp. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 725-737.	1.9	10
23	Tocotrienols and Whey Protein Isolates Substantially Increase Exercise Endurance Capacity in Diet-Induced Obese Male Sprague-Dawley Rats. <i>PLoS ONE</i> , 2016, 11, e0152562.	2.5	9
24	Reduced post-exercise muscle microvascular perfusion with compression is offset by increased muscle oxygen extraction: Assessment by contrast-enhanced ultrasound. <i>FASEB Journal</i> , 2021, 35, e21499.	0.5	9
25	Prior exercise enhances skeletal muscle microvascular blood flow and mitigates microvascular flow impairments induced by a high-glucose mixed meal in healthy young men. <i>Journal of Physiology</i> , 2021, 599, 83-102.	2.9	9
26	Oral and intravenous glucose administration elicit opposing microvascular blood flow responses in skeletal muscle of healthy people: role of incretins. <i>Journal of Physiology</i> , 2022, 600, 1667-1681.	2.9	9
27	Whole-Body Vibration Stimulates Microvascular Blood Flow in Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 375-383.	0.4	8
28	Impaired postprandial skeletal muscle vascular responses to a mixed meal challenge in normoglycaemic people with a parent with type 2 diabetes. <i>Diabetologia</i> , 2022, 65, 216-225.	6.3	7
29	Passive stretch regulates skeletal muscle glucose uptake independent of nitric oxide synthase. <i>Journal of Applied Physiology</i> , 2019, 126, 239-245.	2.5	6
30	Is vascular insulin resistance an early step in diet-induced whole-body insulin resistance?. <i>Nutrition and Diabetes</i> , 2022, 12, .	3.2	6
31	Effects of testosterone suppression, hindlimb immobilization, and recovery on [3H]ouabain binding site content and Na ⁺ , K ⁺ -ATPase isoforms in rat soleus muscle. <i>Journal of Applied Physiology</i> , 2020, 128, 501-513.	2.5	2
32	Prolonged Exercise Training does not Preserve Mitochondrial Enzyme Activity in Senescent Rats. <i>FASEB Journal</i> , 2008, 22, 1163.8.	0.5	0
33	Impaired postprandial adipose tissue microvascular blood flow responses to a mixed-nutrient meal in first-degree relatives of adults with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 0, , .	3.5	0