

Jeffrey J Brault

List of Publications by Year in Descending Order

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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.

51
papers

2,360
citations

17
h-index

48
g-index

56
ext. papers

2,646
ext. citations

5.2
avg, IF

4.53
L-index

#	Paper	IF	Citations
51	AMP deamination is sufficient to replicate an atrophy-like metabolic phenotype in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2021 , 123, 154864	12.7	1
50	Increased AMP deaminase activity decreases ATP content and slows protein degradation in cultured skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2020 , 108, 154257	12.7	6
49	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. <i>PLoS ONE</i> , 2020 , 15, e0225922	3.7	1
48	Nutraceuticals and Exercise against Muscle Wasting during Cancer Cachexia. <i>Cells</i> , 2020 , 9,	7.9	10
47	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
46	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
45	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
44	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
43	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
42	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
41	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
40	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia 2020 , 15, e0225922		
39	Phospholipid methylation regulates muscle metabolic rate through Ca transport efficiency. <i>Nature Metabolism</i> , 2019 , 1, 876-885	14.6	17
38	Peroxisomal gene and protein expression increase in response to a high-lipid challenge in human skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2019 , 98, 53-61	12.7	6
37	Intracardiac administration of ephrinA1-Fc preserves mitochondrial bioenergetics during acute ischemia/reperfusion injury. <i>Life Sciences</i> , 2019 , 239, 117053	6.8	4
36	Increased Adenine Nucleotide Degradation in Skeletal Muscle Atrophy. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	14
35	Electrical pulse stimulation induces differential responses in insulin action in myotubes from severely obese individuals. <i>Journal of Physiology</i> , 2019 , 597, 449-466	3.9	14

34	Palmitate and oleate co-treatment increases myocellular protein content via impaired protein degradation. <i>Nutrition</i> , 2018 , 46, 41-43	4.8	0
33	AMP Deaminase 3 Overexpression Reduces Mitochondrial Content in C2C12 Myotubes by Decreasing PGC-1 β Promotor Activation. <i>FASEB Journal</i> , 2018 , 32, 589.9	0.9	
32	AMP Deaminase 3 Knockout Does Not Reduce Mitochondrial Content Loss in Denervation Induced Inactivity. <i>FASEB Journal</i> , 2018 , 32, 589.8	0.9	
31	Hypothermia Decreases O ₂ Cost for Ex Vivo Contraction in Mouse Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2015-2023	1.2	12
30	Diminished force production and mitochondrial respiratory deficits are strain-dependent myopathies of subacute limb ischemia. <i>Journal of Vascular Surgery</i> , 2017 , 65, 1504-1514.e11	3.5	23
29	Overexpression of PGC-1 β increases peroxisomal activity and mitochondrial fatty acid oxidation in human primary myotubes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 312, E253-E263	6	41
28	Skeletal muscle myotubes in severe obesity exhibit altered ubiquitin-proteasome and autophagic/lysosomal proteolytic flux. <i>Obesity</i> , 2015 , 23, 1185-93	8	24
27	Short-term, high-fat diet accelerates disuse atrophy and protein degradation in a muscle-specific manner in mice. <i>Nutrition and Metabolism</i> , 2015 , 12, 39	4.6	20
26	Differential epigenetic and transcriptional response of the skeletal muscle carnitine palmitoyltransferase 1B (CPT1B) gene to lipid exposure with obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E345-56	6	23
25	AMP-activated protein kinase inhibits transforming growth factor- β -mediated vascular smooth muscle cell growth: implications for a Smad-3-dependent mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1251-9	5.2	15
24	Lipid exposure elicits differential responses in gene expression and DNA methylation in primary human skeletal muscle cells from severely obese women. <i>Physiological Genomics</i> , 2015 , 47, 139-46	3.6	23
23	Glucose Transporter 4 (GLUT4) is Not the Only GLUT Responsible for Ca ²⁺ /Calmodulin-Dependent Protein Kinase Kinase β (CaMKK β)-Induced Glucose Uptake in Mouse Skeletal Muscle. <i>FASEB Journal</i> , 2015 , 29, 817.7	0.9	
22	Constitutively Active Ca ²⁺ /Calmodulin-Dependent Protein Kinase Kinase β (CaMKK β) Stimulates the Pentose Phosphate Pathway in Mouse Skeletal Muscle. <i>FASEB Journal</i> , 2015 , 29, 824.15	0.9	
21	AMP Deaminase 3 Accelerates Protein Degradation in C2C12 Myotubes. <i>FASEB Journal</i> , 2015 , 29, 825.2	0.9	1
20	Constitutive activation of CaMKK β signaling is sufficient but not necessary for mTORC1 activation and growth in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E686-94	6	13
19	SMAD3 augments FoxO3-induced MuRF-1 promoter activity in a DNA-binding-dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C278-87	5.4	31
18	Constitutively active CaMKK β stimulates skeletal muscle glucose uptake in insulin-resistant mice in vivo. <i>Diabetes</i> , 2014 , 63, 142-51	0.9	12
17	Adipose Tissue Metabolism, Adipokines, and Obesity 2014 , 247-258		1

16	Selective inhibition of ATPase activity during contraction alters the activation of p38 MAP kinase isoforms in skeletal muscle. <i>Journal of Cellular Biochemistry</i> , 2013 , 114, 1445-55	4.7	14
15	Activation of CaMKK β stimulates skeletal muscle glucose uptake in insulin resistant mice. <i>FASEB Journal</i> , 2013 , 27, 1154-16	0.9	
14	Manipulating cytosolic ATPases alters both energetics and p38 MAPK activation in contracting fast-twitch muscles from the mouse. <i>FASEB Journal</i> , 2012 , 26, 1075.5	0.9	
13	Peroxisome proliferator-activated receptor gamma coactivator 1alpha or 1beta overexpression inhibits muscle protein degradation, induction of ubiquitin ligases, and disuse atrophy. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19460-71	5.4	165
12	During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. <i>Journal of Cell Biology</i> , 2009 , 185, 1083-95	7.3	437
11	During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. <i>Journal of Experimental Medicine</i> , 2009 , 206, i13-i13	16.6	
10	Coordinate activation of autophagy and the proteasome pathway by FoxO transcription factor. <i>Autophagy</i> , 2008 , 4, 378-80	10.2	128
9	Parallel increases in phosphocreatine and total creatine in human vastus lateralis muscle during creatine supplementation. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2007 , 17, 624-34	4.4	10
8	FoxO3 coordinately activates protein degradation by the autophagic/lysosomal and proteasomal pathways in atrophying muscle cells. <i>Cell Metabolism</i> , 2007 , 6, 472-83	24.6	1141
7	³¹ P-NMR observation of free ADP during fatiguing, repetitive contractions of murine skeletal muscle lacking AK1. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 288, C1298-304	5.4	30
6	Phosphate uptake and PiT-1 protein expression in rat skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 287, C73-8	5.4	10
5	Muscle creatine uptake and creatine transporter expression in response to creatine supplementation and depletion. <i>Journal of Applied Physiology</i> , 2003 , 94, 2173-80	3.7	24
4	Phosphocreatine content of freeze-clamped muscle: influence of creatine kinase inhibition. <i>Journal of Applied Physiology</i> , 2003 , 94, 1751-6	3.7	18
3	Creatine uptake and creatine transporter expression among rat skeletal muscle fiber types. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C1481-9	5.4	24
2	Purine salvage to adenine nucleotides in different skeletal muscle fiber types. <i>Journal of Applied Physiology</i> , 2001 , 91, 231-8	3.7	29
1	Influence of ribose on adenine salvage after intense muscle contractions. <i>Journal of Applied Physiology</i> , 2001 , 91, 1775-81	3.7	15