

Jeffrey J Brault

List of Publications by Year in descending order

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55
papers

2,841
citations

361413

20
h-index

330143

37
g-index

56
all docs

56
docs citations

56
times ranked

6120
citing authors

#	ARTICLE	IF	CITATIONS
1	FoxO3 Coordinately Activates Protein Degradation by the Autophagic/Lysosomal and Proteasomal Pathways in Atrophiying Muscle Cells. <i>Cell Metabolism</i> , 2007, 6, 472-483.	16.2	1,269
2	During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. <i>Journal of Cell Biology</i> , 2009, 185, 1083-1095.	5.2	499
3	Peroxisome Proliferator-activated Receptor β Coactivator 1 α or 1 β Overexpression Inhibits Muscle Protein Degradation, Induction of Ubiquitin Ligases, and Disuse Atrophy. <i>Journal of Biological Chemistry</i> , 2010, 285, 19460-19471.	3.4	191
4	Coordinate activation of autophagy and the proteasome pathway by FoxO transcription factor. <i>Autophagy</i> , 2008, 4, 378-380.	9.1	144
5	Overexpression of PGC-1 α 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.	3.5	68
6	Increased Adenine Nucleotide Degradation in Skeletal Muscle Atrophy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 88.	4.1	44
7	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-C287.	4.6	43
8	Purine salvage to adenine nucleotides in different skeletal muscle fiber types. <i>Journal of Applied Physiology</i> , 2001, 91, 231-238.	2.5	36
9	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.	1.1	36
10	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-C1304.	4.6	34
11	Differential epigenetic and transcriptional response of the skeletal muscle carnitine palmitoyltransferase 1B (<i>CPT1B</i>) gene to lipid exposure with obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E345-E356.	3.5	33
12	Muscle creatine uptake and creatine transporter expression in response to creatine supplementation and depletion. <i>Journal of Applied Physiology</i> , 2003, 94, 2173-2180.	2.5	31
13	Skeletal muscle myotubes in severe obesity exhibit altered ubiquitin-proteasome and autophagic/lysosomal proteolytic flux. <i>Obesity</i> , 2015, 23, 1185-1193.	3.0	31
14	Phospholipid methylation regulates muscle metabolic rate through Ca ²⁺ transport efficiency. <i>Nature Metabolism</i> , 2019, 1, 876-885.	11.9	30
15	Creatine uptake and creatine transporter expression among rat skeletal muscle fiber types. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1481-C1489.	4.6	29
16	Electrical pulse stimulation induces differential responses in insulin action in myotubes from severely obese individuals. <i>Journal of Physiology</i> , 2019, 597, 449-466.	2.9	27
17	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, 139-146.	2.3	26
18	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.	3.0	24

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19	Constitutive activation of CaMKK $\hat{\pm}$ 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-E694.	3.5	23
20	Nutraceuticals and Exercise against Muscle Wasting during Cancer Cachexia. <i>Cells</i> , 2020, 9, 2536.	4.1	23
21	Phosphocreatine content of freeze-clamped muscle: influence of creatine kinase inhibition. <i>Journal of Applied Physiology</i> , 2003, 94, 1751-1756.	2.5	19
22	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, 1445-1455.	2.6	18
23	Influence of ribose on adenine salvage after intense muscle contractions. <i>Journal of Applied Physiology</i> , 2001, 91, 1775-1781.	2.5	17
24	Constitutively Active CaMKK $\hat{\Delta}$ Stimulates Skeletal Muscle Glucose Uptake in Insulin-Resistant Mice In Vivo. <i>Diabetes</i> , 2014, 63, 142-151.	0.6	17
25	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.	0.4	17
26	Increased AMP deaminase activity decreases ATP content and slows protein degradation in cultured skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2020, 108, 154257.	3.4	17
27	AMP-activated protein kinase inhibits transforming growth factor- $\hat{1}$ -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-H1259.	3.2	16
28	AMP deamination is sufficient to replicate an atrophy-like metabolic phenotype in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154864.	3.4	16
29	Phosphate uptake and PiT-1 protein expression in rat skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C73-C78.	4.6	13
30	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, 624-634.	2.1	13
31	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.	3.4	10
32	Liquid chromatography method for simultaneous quantification of ATP and its degradation products compatible with both UV-Vis and mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1206, 123351.	2.3	9
33	Intracardiac administration of ephrinA1-Fc preserves mitochondrial bioenergetics during acute ischemia/reperfusion injury. <i>Life Sciences</i> , 2019, 239, 117053.	4.3	5
34	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. <i>PLoS ONE</i> , 2020, 15, e0225922.	2.5	4
35	Insulin Resistance Is Not Sustained Following Denervation in Glycolytic Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4913.	4.1	4
36	Palmitate and oleate co-treatment increases myocellular protein content via impaired protein degradation. <i>Nutrition</i> , 2018, 46, 41-43.	2.4	3

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37	Adipose Tissue Metabolism, Adipokines, and Obesity. , 2014, , 247-258.		1
38	AMP Deaminase 3 Accelerates Protein Degradation in C2C12 Myotubes. FASEB Journal, 2015, 29, 825.2.	0.5	1
39	Lipid Oversupply Remodels DNA Methylation And Histone Acetylation In The CPT1B Gene Promoter Region. Medicine and Science in Sports and Exercise, 2014, 46, 308.	0.4	0
40	Functional MRI of Motor Cortex Activation during Fatiguing Isometric Handgrip Contractions. Medicine and Science in Sports and Exercise, 2004, 36, S6-S7.	0.4	0
41	During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. Journal of Experimental Medicine, 2009, 206, i13-i13.	8.5	0
42	Manipulating cytosolic ATPases alters both energetics and p38 MAPK activation in contracting fast-twitch muscles from the mouse. FASEB Journal, 2012, 26, 1075.5.	0.5	0
43	Activation of CaMKK δ Stimulates Skeletal Muscle Glucose Uptake in Insulin Resistant Mice. FASEB Journal, 2013, 27, 1154.16.	0.5	0
44	Glucose Transporter 4 (GLUT4) is Not the Only GLUT Responsible for Ca ²⁺ /Calmodulin-Dependent Protein Kinase Kinase δ (CaMKK δ)-Induced Glucose Uptake in Mouse Skeletal Muscle. FASEB Journal, 2015, 29, 817.7.	0.5	0
45	Constitutively Active Ca ²⁺ /Calmodulin-Dependent Protein Kinase Kinase δ (CaMKK δ) Stimulates the Pentose Phosphate Pathway in Mouse Skeletal Muscle. FASEB Journal, 2015, 29, 824.15.	0.5	0
46	AMP Deaminase 3 Overexpression Reduces Mitochondrial Content in C2C12 Myotubes by Decreasing PGC α Promotor Activation. FASEB Journal, 2018, 32, 589.9.	0.5	0
47	AMP Deaminase 3 Knockout Does Not Reduce Mitochondrial Content Loss in Denervation Induced Inactivity. FASEB Journal, 2018, 32, 589.8.	0.5	0
48	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0
49	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0
50	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0
51	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0
52	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0
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54	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0

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55	Effects of fasting on isolated murine skeletal muscle contractile function during acute hypoxia. , 2020, 15, e0225922.		0