

Jonathan S Fisher

List of Publications by Year in descending order

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56
papers

1,451
citations

361413
20
h-index

330143
37
g-index

56
all docs

56
docs citations

56
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of AMP kinase enhances sensitivity of muscle glucose transport to insulin. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E18-E23.	3.5	244
2	Skeletal Muscle Insulin Resistance: Roles of Fatty Acid Metabolism and Exercise. Physical Therapy, 2008, 88, 1279-1296.	2.4	146
3	The HIV Protease Inhibitor Indinavir Decreases Insulin- and Contraction-Stimulated Glucose Transport in Skeletal Muscle. Diabetes, 2001, 50, 1397-1401.	0.6	98
4	Muscle glycogen accumulation after endurance exercise in trained and untrained individuals. Journal of Applied Physiology, 1997, 83, 897-903.	2.5	81
5	Glucose transport rate and glycogen synthase activity both limit skeletal muscle glycogen accumulation. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E1214-E1221.	3.5	66
6	Role of nitric oxide in skeletal muscle blood flow at rest and during dynamic exercise in humans. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H405-H410.	3.2	59
7	Effects of ovariectomy and hindlimb unloading on skeletal muscle. Journal of Applied Physiology, 1998, 85, 1316-1321.	2.5	48
8	Acute exercise effect on postabsorptive serum leptin. Journal of Applied Physiology, 2001, 91, 680-686.	2.5	48
9	Creatine feeding increases GLUT4 expression in rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E347-E352.	3.5	48
10	A role for AMPK in increased insulin action after serum starvation. American Journal of Physiology - Cell Physiology, 2010, 299, C1171-C1179.	4.6	45
11	Role of GLUT1 in regulation of reactive oxygen species. Redox Biology, 2014, 2, 764-771.	9.0	45
12	Stiffness and muscle function with age and reduced muscle use. Journal of Orthopaedic Research, 1999, 17, 409-414.	2.3	41
13	Potential of insulin-stimulated glucose transport by the AMP-activated protein kinase. American Journal of Physiology - Cell Physiology, 2007, 292, C564-C572.	4.6	41
14	AICAR and hyperosmotic stress increase insulin-stimulated glucose transport. Journal of Applied Physiology, 2005, 99, 877-883.	2.5	37
15	Ataxia telangiectasia mutated influences cytochrome c oxidase activity. Biochemical and Biophysical Research Communications, 2011, 405, 599-603.	2.1	33
16	ATM and GLUT1-S490 Phosphorylation Regulate GLUT1 Mediated Transport in Skeletal Muscle. PLoS ONE, 2013, 8, e66027.	2.5	33
17	Food restriction suppresses muscle growth and augments osteopenia in ovariectomized rats. Journal of Applied Physiology, 2000, 88, 265-271.	2.5	32
18	Suppression of Whole Body and Regional Lipolysis by Insulin: Effects of Obesity and Exercise. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 3886-3895.	3.6	32

#	ARTICLE	IF	CITATIONS
19	Gonadectomy and reduced physical activity: Effects on skeletal muscle. Archives of Physical Medicine and Rehabilitation, 2001, 82, 93-97.	0.9	24
20	Muscle contractions, AICAR, and insulin cause phosphorylation of an AMPK-related kinase. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E986-E992.	3.5	24
21	Levodopa with carbidopa diminishes glycogen concentration, glycogen synthase activity, and insulin-stimulated glucose transport in rat skeletal muscle. Journal of Applied Physiology, 2004, 97, 2339-2346.	2.5	18
22	Myoglobin as a versatile peroxidase: Implications for a more important role for vertebrate striated muscle in antioxidant defense. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 234, 9-17.	1.6	18
23	Ataxia telangiectasia mutated impacts insulin-like growth factor 1 signalling in skeletal muscle. Experimental Physiology, 2013, 98, 526-535.	2.0	17
24	Effects of 10 Days of Endurance Exercise Training on the Suppression of Whole Body and Regional Lipolysis by Insulin. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 1498-1504.	3.6	16
25	Potential Role of the AMP-activated Protein Kinase in Regulation of Insulin Action. Cellscience, 2006, 2, 68-81.	0.3	16
26	Postprandial Plasma Incretin Hormones in Exercise-Trained versus Untrained Subjects. Medicine and Science in Sports and Exercise, 2014, 46, 1098-1103.	0.4	15
27	Role of ataxia telangiectasia mutated in insulin signalling of muscle-derived cell lines and mouse soleus. Acta Physiologica, 2010, 198, 465-475.	3.8	12
28	Reversible Oxidative Modifications in Myoglobin and Functional Implications. Antioxidants, 2020, 9, 549.	5.1	12
29	Impaired insulin-stimulated glucose transport in ATM-deficient mouse skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2013, 38, 589-596.	1.9	11
30	Trans-Plasma Membrane Electron Transport and Ascorbate Efflux by Skeletal Muscle. Antioxidants, 2017, 6, 89.	5.1	11
31	Glucose-dependent trans-plasma membrane electron transport and p70S6k phosphorylation in skeletal muscle cells. Redox Biology, 2019, 27, 101075.	9.0	11
32	Possibility of Autocrine β -Adrenergic Signaling in C2C12 Myotubes. Experimental Biology and Medicine, 2005, 230, 845-852.	2.4	10
33	Chloroquine increases phosphorylation of AMPK and Akt in myotubes. Heliyon, 2016, 2, e00083.	3.2	10
34	Leptin Response to Insulin in Humans Is Related to the Lipolytic State of Abdominal Subcutaneous Fat. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 3726-3731.	3.6	10
35	Type I Diabetes Affects Skeletal Muscle Glutamine Uptake in a Fiber-Specific Manner. Experimental Biology and Medicine, 2005, 230, 606-611.	2.4	8
36	Malonyl coenzyme A affects insulin-stimulated glucose transport in myotubes. Archives of Physiology and Biochemistry, 2007, 113, 13-24.	2.1	7

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37	Regulation of Myogenic Activity by Substrate and Electrical Stimulation In Vitro. <i>BioResearch Open Access</i> , 2019, 8, 129-138.	2.6	6
38	Immobilization effects on contractile properties of aging rat skeletal muscle. <i>Aging Clinical and Experimental Research</i> , 1998, 10, 59-66.	2.9	4
39	Photoglobins, a distinct family of non-heme binding globins, defines a potential photosensor in prokaryotic signal transduction systems. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 261-273.	4.1	4
40	A peroxidase mimetic protects skeletal muscle cells from peroxide challenge and stimulates insulin signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1214-C1225.	4.6	2
41	Stiffness and Muscle Function with Age and Reduced Muscle Use. <i>Journal of Bone and Joint Surgery - Series A</i> , 1999, 81, 84.	3.0	2
42	Serum starvation increases phosphorylation of the AMP-activated protein kinase (AMPK) in myotubes. <i>FASEB Journal</i> , 2008, 22, 959.1.	0.5	2
43	Measuring Trans-Plasma Membrane Electron Transport by C2C12 Myotubes. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
44	Ataxia telangiectasia mutated (ATM) is required in insulin-like growth factor-1 (IGF-1) signaling through the PI3K/Akt pathway. <i>FASEB Journal</i> , 2009, 23, 782.3.	0.5	1
45	The ATM activator chloroquine stimulates phosphorylation of AMP activated protein kinase (AMPK) and acetyl CoA-carboxylase (ACC) independent of ATM. <i>FASEB Journal</i> , 2010, 24, lb674.	0.5	1
46	Ataxia telangiectasia mutated (ATM) influences AICAR-stimulated glucose transport. <i>FASEB Journal</i> , 2012, 26, 1078.24.	0.5	1
47	Intramyofibrillar glycogen drives endurance exercise capacity. <i>Journal of Physiology</i> , 2020, 598, 4145-4146.	2.9	0
48	Chloroquine stimulates phosphorylation of the AMP-activated protein kinase (AMPK) and Akt. <i>FASEB Journal</i> , 2008, 22, 959.2.	0.5	0
49	Inhibition of ataxia telangiectasia mutated (ATM) prevents the prolonged increase in phosphorylation of Akt substrate of 160 kDa (AS160) subsequent to activation of the AMP-activated protein kinase (AMPK). <i>FASEB Journal</i> , 2009, 23, 782.2.	0.5	0
50	Chloroquine and resveratrol stimulate ATM-independent phosphorylation of AMPK and AKT. <i>FASEB Journal</i> , 2009, 23, 782.4.	0.5	0
51	ATM plays a role in insulin-stimulated phosphorylation of AS160 independent of Akt in mouse soleus muscle. <i>FASEB Journal</i> , 2010, 24, 1046.18.	0.5	0
52	Decreased aconitase and cytochrome c oxidase activity in skeletal muscle of ATM-deficient mice. <i>FASEB Journal</i> , 2010, 24, 1001.12.	0.5	0
53	LiCl causes an acute decrease in ataxia telangiectasia mutated (ATM) protein levels in L6 myotubes. <i>FASEB Journal</i> , 2010, 24, lb675.	0.5	0
54	Ascorbate Rescues Peroxide Induced Insulin Resistance in Skeletal Muscle. <i>FASEB Journal</i> , 2018, 32, .	0.5	0

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55	A Metalloporphyrin that Serves as a Peroxidase and Stimulates Insulin Signaling in Skeletal Muscle. FASEB Journal, 2019, 33, 543.8.	0.5	0
56	A role for ataxia telangiectasia mutated in insulin-independent stimulation of glucose transport. Trends in Cell & Molecular Biology, 2017, 12, 49-56.	0.5	0