

Mary-Ellen Harper

List of Publications by Year in descending order

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Version: 2024-02-01

189
papers

14,228
citations

25423

59
h-index

25230

113
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194
all docs

194
docs citations

194
times ranked

20568
citing authors

#	ARTICLE	IF	CITATIONS
1	Foxo3a tempers excessive glutaminolysis in activated T cells to prevent fatal gut inflammation in the murine IL-10 ^{-/-} model of colitis. <i>Cell Death and Differentiation</i> , 2022, 29, 585-599.	5.0	4
2	Association of muscle fiber type with measures of obesity: A systematic review. <i>Obesity Reviews</i> , 2022, 23, e13444.	3.1	10
3	Jean Himms-Hagen, D.Phil. (1933-2021): Pioneering research in brown adipose tissue thermogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, , .	1.8	0
4	Prohibitin 1 interacts with p53 in the regulation of mitochondrial dynamics and chemoresistance in gynecologic cancers. <i>Journal of Ovarian Research</i> , 2022, 15, .	1.3	4
5	Effects of cobalt and chromium ions on glycolytic flux and the stabilization of hypoxia-inducible factor-1 α in macrophages in vitro. <i>Journal of Orthopaedic Research</i> , 2021, 39, 112-120.	1.2	7
6	Glutaredoxin-2 and Sirtuin-3 deficiencies impair cardiac mitochondrial energetics but their effects are not additive. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 165982.	1.8	11
7	SMN Depleted Mice Offer a Robust and Rapid Onset Model of Nonalcoholic Fatty Liver Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 354-377.e3.	2.3	16
8	Altered mitochondrial fusion drives defensive glutathione synthesis in cells able to switch to glycolytic ATP production. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118854.	1.9	14
9	The lifecycle of skeletal muscle mitochondria in obesity. <i>Obesity Reviews</i> , 2021, 22, e13164.	3.1	25
10	Grx2 Regulates Skeletal Muscle Mitochondrial Structure and Autophagy. <i>Frontiers in Physiology</i> , 2021, 12, 604210.	1.3	7
11	Cardiomyocyte-specific Srsf3 deletion reveals a mitochondrial regulatory role. <i>FASEB Journal</i> , 2021, 35, e21544.	0.2	1
12	Exercise training and diet-induced weight loss increase markers of hepatic bile acid (BA) synthesis and reduce serum total BA concentrations in obese women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E864-E873.	1.8	18
13	Nuclear HKII ^{Y15} -p53 (Ser15) Interaction is a Prognostic Biomarker for Chemoresponsiveness and Glycolytic Regulation in Epithelial Ovarian Cancer. <i>Cancers</i> , 2021, 13, 3399.	1.7	5
14	Interindividual variability in weight loss in the treatment of obesity. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 824-825.	2.2	3
15	Dietary Cocoa Flavanols Enhance Mitochondrial Function in Skeletal Muscle and Modify Whole-Body Metabolism in Healthy Mice. <i>Nutrients</i> , 2021, 13, 3466.	1.7	5
16	A recurrent de novo ATP5F1A substitution associated with neonatal complex V deficiency. <i>European Journal of Human Genetics</i> , 2021, 29, 1719-1724.	1.4	2
17	Naked mole-rat brown fat thermogenesis is diminished during hypoxia through a rapid decrease in UCP1. <i>Nature Communications</i> , 2021, 12, 6801.	5.8	29
18	Innate Immune Nod1/RIP2 Signaling Is Essential for Cardiac Hypertrophy but Requires Mitochondrial Antiviral Signaling Protein for Signal Transductions and Energy Balance. <i>Circulation</i> , 2020, 142, 2240-2258.	1.6	26

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19	Role of Glutathione in Cancer: From Mechanisms to Therapies. <i>Biomolecules</i> , 2020, 10, 1429.	1.8	352
20	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. <i>Nature Metabolism</i> , 2020, 2, 1113-1125.	5.1	34
21	Factors affecting weight loss variability in obesity. <i>Metabolism: Clinical and Experimental</i> , 2020, 113, 154388.	1.5	50
22	Impact of a weight loss and fitness intervention on exercise-associated plasma oxylipin patterns in obese, insulin-resistant, sedentary women. <i>Physiological Reports</i> , 2020, 8, e14547.	0.7	14
23	Metabolic terminology: what's in a name?. <i>Nature Metabolism</i> , 2020, 2, 476-477.	5.1	8
24	MCL-1 Matrix maintains neuronal survival by enhancing mitochondrial integrity and bioenergetic capacity under stress conditions. <i>Cell Death and Disease</i> , 2020, 11, 321.	2.7	68
25	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma. <i>PLoS Computational Biology</i> , 2020, 16, e1007882.	1.5	19
26	<i>SGCG</i> rs679482 Associates With Weight Loss Success in Response to an Intensively Supervised Outpatient Program. <i>Diabetes</i> , 2020, 69, 2017-2026.	0.3	8
27	Harnessing the protective role of OPA1 in diabetic cardiomyopathy. <i>Acta Physiologica</i> , 2020, 229, e13466.	1.8	3
28	Phenomic screen identifies a role for the yeast lysine acetyltransferase NuA4 in the control of Bcy1 subcellular localization, glycogen biosynthesis, and mitochondrial morphology. <i>PLoS Genetics</i> , 2020, 16, e1009220.	1.5	5
29	Atrial Fibrillation Is Associated With Impaired Atrial Mitochondrial Energetics and Supercomplex Formation in Adults With Type 2 Diabetes. <i>Canadian Journal of Diabetes</i> , 2019, 43, 67-75.e1.	0.4	18
30	p53 Promotes chemoresponsiveness by regulating hexokinase II gene transcription and metabolic reprogramming in epithelial ovarian cancer. <i>Molecular Carcinogenesis</i> , 2019, 58, 2161-2174.	1.3	34
31	Exercise plasma metabolomics and xenometabolomics in obese, sedentary, insulin-resistant women: impact of a fitness and weight loss intervention. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E999-E1014.	1.8	25
32	Maternal diet-induced obesity alters muscle mitochondrial function in offspring without changing insulin sensitivity. <i>FASEB Journal</i> , 2019, 33, 13515-13526.	0.2	14
33	Skeletal muscle mitoflashes, pH, and the role of uncoupling protein-3. <i>Archives of Biochemistry and Biophysics</i> , 2019, 663, 239-248.	1.4	10
34	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. <i>Nature Communications</i> , 2019, 10, 540.	5.8	25
35	Genome-wide identification of circulating-miRNA expression quantitative trait loci reveals the role of several miRNAs in the regulation of cardiometabolic phenotypes. <i>Cardiovascular Research</i> , 2019, 115, 1629-1645.	1.8	55
36	Mitochondrial adaptation in human mesenchymal stem cells following ionizing radiation. <i>FASEB Journal</i> , 2019, 33, 9263-9278.	0.2	8

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37	SIRT3 controls brown fat thermogenesis by deacetylation regulation of pathways upstream of UCP1. <i>Molecular Metabolism</i> , 2019, 25, 35-49.	3.0	30
38	Glyoxalase 1 Prevents Chronic Hyperglycemia Induced Heart-Explant Derived Cell Dysfunction. <i>Theranostics</i> , 2019, 9, 5720-5730.	4.6	10
39	ACSL5 genotype influence on fatty acid metabolism: a cellular, tissue, and whole-body study. <i>Metabolism: Clinical and Experimental</i> , 2018, 83, 271-279.	1.5	20
40	Glutaredoxin-2 controls cardiac mitochondrial dynamics and energetics in mice, and protects against human cardiac pathologies. <i>Redox Biology</i> , 2018, 14, 509-521.	3.9	35
41	Is Type 2 Diabetes in Adults Associated With Impaired Capacity for Weight Loss?. <i>Canadian Journal of Diabetes</i> , 2018, 42, 313-316.e1.	0.4	7
42	Obesity shows preserved plasma proteome in large independent clinical cohorts. <i>Scientific Reports</i> , 2018, 8, 16981.	1.6	45
43	Effects of cobalt and chromium ions on oxidative stress and energy metabolism in macrophages in vitro. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3178-3187.	1.2	33
44	Tumor metabolism regulating chemosensitivity in ovarian cancer. <i>Genes and Cancer</i> , 2018, 9, 155-175.	0.6	43
45	EFFECTS OF 12 MONTHS OF CALORIC RESTRICTION ON MUSCLE MITOCHONDRIAL FUNCTION IN HEALTHY INDIVIDUALS. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-3211.	1.8	26
46	Four-week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. <i>Journal of Physiology</i> , 2017, 595, 2099-2113.	1.3	95
47	Human Pluripotent Stem Cell-Derived <i>TSC2</i> -Haploinsufficient Smooth Muscle Cells Recapitulate Features of Lymphangioliomyomatosis. <i>Cancer Research</i> , 2017, 77, 5491-5502.	0.4	29
48	Cellular redox dysfunction in the development of cardiovascular diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2822-2829.	1.1	70
49	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 889-905.	2.5	55
50	A novel amino acid and metabolomics signature in mice overexpressing muscle uncoupling protein 3. <i>FASEB Journal</i> , 2017, 31, 814-827.	0.2	18
51	Acylcarnitines as markers of exercise-associated fuel partitioning, xenometabolism, and potential signals to muscle afferent neurons. <i>Experimental Physiology</i> , 2017, 102, 48-69.	0.9	49
52	In utero Undernutrition Programs Skeletal and Cardiac Muscle Metabolism. <i>Frontiers in Physiology</i> , 2016, 6, 401.	1.3	13
53	Can response to dietary restriction predict weight loss after Roux-Y gastroplasty?. <i>Obesity</i> , 2016, 24, 805-811.	1.5	7
54	A Signaling Lipid Associated with Alzheimer's Disease Promotes Mitochondrial Dysfunction. <i>Scientific Reports</i> , 2016, 6, 19332.	1.6	25

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55	Drugs and bugs: turning on the heat through UCP1 and UCP3. <i>Journal of Physiology</i> , 2016, 594, 7151-7152.	1.3	0
56	K ⁺ ATP channel deficiency in mouse FDB causes an impairment of energy metabolism during fatigue. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C559-C571.	2.1	12
57	Mitochondrial Dynamics Impacts Stem Cell Identity and Fate Decisions by Regulating a Nuclear Transcriptional Program. <i>Cell Stem Cell</i> , 2016, 19, 232-247.	5.2	469
58	Adverse Effects of β -Blocker Therapy on Weight Loss in Response to a Controlled Dietary Regimen. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1246.e21-1246.e26.	0.8	5
59	Differences in Mitochondrial Coupling Reveal a Novel Signature of Mitohormesis in Muscle of Healthy Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4994-5003.	1.8	6
60	Reactive Oxygen Species and Oxidative Stress in Obesity—Recent Findings and Empirical Approaches. <i>Obesity</i> , 2016, 24, 2301-2310.	1.5	185
61	Acyl-CoA synthetase long-chain 5 genotype is associated with body composition changes in response to lifestyle interventions in postmenopausal women with overweight and obesity: a genetic association study on cohorts Montr�al-Ottawa New Emerging Team, and Complications Associated with Obesity. <i>BMC Medical Genetics</i> , 2016, 17, 56.	2.1	8
62	Severe Neonatal Presentation of Mitochondrial Citrate Carrier (SLC25A1) Deficiency. <i>JIMD Reports</i> , 2016, 30, 73-79.	0.7	21
63	DNM1L-related mitochondrial fission defect presenting as refractory epilepsy. <i>European Journal of Human Genetics</i> , 2016, 24, 1084-1088.	1.4	113
64	Identification of a pathogenic <i>FTO</i> mutation by next-generation sequencing in a newborn with growth retardation and developmental delay. <i>Journal of Medical Genetics</i> , 2016, 53, 200-207.	1.5	50
65	Mitochondrial stress controls the radiosensitivity of the oxygen effect: Implications for radiotherapy. <i>Oncotarget</i> , 2016, 7, 21469-21483.	0.8	63
66	Undernutrition during pregnancy in mice leads to dysfunctional cardiac muscle respiration in adult offspring. <i>Bioscience Reports</i> , 2015, 35, .	1.1	38
67	Macrophage Mitochondrial Energy Status Regulates Cholesterol Efflux and Is Enhanced by Anti-miR33 in Atherosclerosis. <i>Circulation Research</i> , 2015, 117, 266-278.	2.0	158
68	Detailed Biochemical and Bioenergetic Characterization of FBXL4-Related Encephalomyopathic Mitochondrial DNA Depletion. <i>JIMD Reports</i> , 2015, 27, 1-9.	0.7	19
69	Therapeutic Inhibition of miR-33 Promotes Fatty Acid Oxidation but Does Not Ameliorate Metabolic Dysfunction in Diet-Induced Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2536-2543.	1.1	63
70	Impaired mitochondrial oxidative phosphorylation and supercomplex assembly in rectus abdominis muscle of diabetic obese individuals. <i>Diabetologia</i> , 2015, 58, 2861-2866.	2.9	88
71	Acylcarnitines: potential implications for skeletal muscle insulin resistance. <i>FASEB Journal</i> , 2015, 29, 336-345.	0.2	191
72	Low birth weight is associated with adiposity, impaired skeletal muscle energetics and weight loss resistance in mice. <i>International Journal of Obesity</i> , 2015, 39, 702-711.	1.6	42

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73	Improved Metabolic Health Alters Host Metabolism in Parallel with Changes in Systemic Xeno-Metabolites of Gut Origin. <i>PLoS ONE</i> , 2014, 9, e84260.	1.1	39
74	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e103402.	1.1	83
75	Glutaredoxin-2 Is Required to Control Oxidative Phosphorylation in Cardiac Muscle by Mediating Deglutathionylation Reactions. <i>Journal of Biological Chemistry</i> , 2014, 289, 14812-14828.	1.6	81
76	The SIRT1 deacetylase protects mice against the symptoms of metabolic syndrome. <i>FASEB Journal</i> , 2014, 28, 1306-1316.	0.2	74
77	Lower Mitochondrial Proton Leak and Decreased Glutathione Redox in Primary Muscle Cells of Obese Diet-Resistant Versus Diet-Sensitive Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 4223-4230.	1.8	17
78	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. <i>Nature Communications</i> , 2014, 5, 3550.	5.8	141
79	OPA1-dependent cristae modulation is essential for cellular adaptation to metabolic demand. <i>EMBO Journal</i> , 2014, 33, 2676-2691.	3.5	312
80	SPG7 Variant Escapes Phosphorylation-Regulated Processing by AFG3L2, Elevates Mitochondrial ROS, and Is Associated with Multiple Clinical Phenotypes. <i>Cell Reports</i> , 2014, 7, 834-847.	2.9	39
81	Chronic AMPK activity dysregulation produces myocardial insulin resistance in the human Arg302Gln-PRKAG2 glycogen storage disease mouse model. <i>EJNMMI Research</i> , 2013, 3, 48.	1.1	11
82	Increased proton leak and SOD2 expression in myotubes from obese non-diabetic subjects with a family history of type 2 diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1624-1633.	1.8	15
83	Unearthing the secrets of mitochondrial ROS and glutathione in bioenergetics. <i>Trends in Biochemical Sciences</i> , 2013, 38, 592-602.	3.7	241
84	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete β -oxidation. <i>FASEB Journal</i> , 2013, 27, 4213-4225.	0.2	43
85	A 680-kb duplication at the FTO locus in a kindred with obesity and a distinct body fat distribution. <i>European Journal of Human Genetics</i> , 2013, 21, 1417-1422.	1.4	10
86	Enhanced glucose homeostasis in BHE/cdb rats with mutated ATP synthase. <i>Mitochondrion</i> , 2013, 13, 320-329.	1.6	0
87	MicroRNA-133 Controls Brown Adipose Determination in Skeletal Muscle Satellite Cells by Targeting Prdm16. <i>Cell Metabolism</i> , 2013, 17, 210-224.	7.2	249
88	Glutathionylation of UCP2 sensitizes drug resistant leukemia cells to chemotherapeutics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 80-89.	1.9	35
89	Glutaredoxin-2 Is Required to Control Proton Leak through Uncoupling Protein-3. <i>Journal of Biological Chemistry</i> , 2013, 288, 8365-8379.	1.6	61
90	Mitochondrial uncoupling in skeletal muscle by UCP1 augments energy expenditure and glutathione content while mitigating ROS production. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E405-E415.	1.8	38

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91	Implications of mitochondrial uncoupling in skeletal muscle in the development and treatment of obesity. <i>FEBS Journal</i> , 2013, 280, 5015-5029.	2.2	29
92	Glutathionylation State of Uncoupling Protein-2 and the Control of Glucose-stimulated Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2012, 287, 39673-39685.	1.6	57
93	Sirt1 catalytic activity is required for male fertility and metabolic homeostasis in mice. <i>FASEB Journal</i> , 2012, 26, 555-566.	0.2	51
94	Crucial yet divergent roles of mitochondrial redox state in skeletal muscle <i>vs</i> . brown adipose tissue energetics. <i>FASEB Journal</i> , 2012, 26, 363-375.	0.2	56
95	Intrinsic aerobic capacity correlates with greater inherent mitochondrial oxidative and H ₂ O ₂ emission capacities without major shifts in myosin heavy chain isoform. <i>Journal of Applied Physiology</i> , 2012, 113, 1624-1634.	1.2	27
96	Impairment of Proinsulin Processing in β -Cells Exposed to Saturated Free Fatty Acid Is Dependent on Uncoupling Protein-2 Expression. <i>Canadian Journal of Diabetes</i> , 2012, 36, 228-236.	0.4	3
97	Mitochondrial proticity and ROS signaling: lessons from the uncoupling proteins. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 451-458.	3.1	108
98	Skeletal muscle mitochondrial energetics in obesity and type 2 diabetes mellitus: Endocrine aspects. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 805-819.	2.2	19
99	Impaired adaptability of in vivo mitochondrial energetics to acute oxidative insult in aged skeletal muscle. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 620-628.	2.2	28
100	Calorie restriction in mice overexpressing UCP3: Evidence that prior mitochondrial uncoupling alters response. <i>Experimental Gerontology</i> , 2012, 47, 361-371.	1.2	11
101	Ablation of LMO4 in glutamatergic neurons impairs leptin control of fat metabolism. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 819-828.	2.4	23
102	Hexokinase II acts through UCP3 to suppress mitochondrial reactive oxygen species production and maintain aerobic respiration. <i>Biochemical Journal</i> , 2011, 437, 301-311.	1.7	32
103	Uncoupling proteins and the control of mitochondrial reactive oxygen species production. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1106-1115.	1.3	460
104	Sympathetic nervous dysregulation in the absence of systolic left ventricular dysfunction in a rat model of insulin resistance with hyperglycemia. <i>Cardiovascular Diabetology</i> , 2011, 10, 75.	2.7	59
105	The Adipocyte-Expressed Forkhead Transcription Factor Foxc2 Regulates Metabolism Through Altered Mitochondrial Function. <i>Diabetes</i> , 2011, 60, 427-435.	0.3	61
106	Glutathionylation Acts as a Control Switch for Uncoupling Proteins UCP2 and UCP3. <i>Journal of Biological Chemistry</i> , 2011, 286, 21865-21875.	1.6	156
107	Galactose Enhances Oxidative Metabolism and Reveals Mitochondrial Dysfunction in Human Primary Muscle Cells. <i>PLoS ONE</i> , 2011, 6, e28536.	1.1	198
108	Naturally occurring R225W mutation of the gene encoding AMP-activated protein kinase (AMPK) β 3 results in increased oxidative capacity and glucose uptake in human primary myotubes. <i>Diabetologia</i> , 2010, 53, 1986-1997.	2.9	22

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109	Absence of uncoupling protein-3 leads to greater activation of an adenine nucleotide translocase-mediated proton conductance in skeletal muscle mitochondria from calorie restricted mice. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1389-1397.	0.5	22
110	Metabolic functions of AMPK: Aspects of structure and of natural mutations in the regulatory gamma subunits. <i>IUBMB Life</i> , 2010, 62, 739-745.	1.5	32
111	Gene expression profiling in whole blood identifies distinct biological pathways associated with obesity. <i>BMC Medical Genomics</i> , 2010, 3, 56.	0.7	66
112	Glucose regulates enzymatic sources of mitochondrial NADPH in skeletal muscle cells; a novel role for glucose-6-phosphate dehydrogenase. <i>FASEB Journal</i> , 2010, 24, 2495-2506.	0.2	60
113	Loss of the Parkinson's disease-linked gene DJ-1 perturbs mitochondrial dynamics. <i>Human Molecular Genetics</i> , 2010, 19, 3734-3746.	1.4	343
114	Electron Transport Chain-dependent and -independent Mechanisms of Mitochondrial H ₂ O ₂ Emission during Long-chain Fatty Acid Oxidation. <i>Journal of Biological Chemistry</i> , 2010, 285, 5748-5758.	1.6	211
115	Distinct skeletal muscle fiber characteristics and gene expression in diet-sensitive versus diet-resistant obesity. <i>Journal of Lipid Research</i> , 2010, 51, 2394-2404.	2.0	52
116	Oxidative status of muscle is determined by p107 regulation of PGC-1 β . <i>Journal of Cell Biology</i> , 2010, 190, 651-662.	2.3	19
117	Long-Chain Fatty Acid Combustion Rate Is Associated with Unique Metabolite Profiles in Skeletal Muscle Mitochondria. <i>PLoS ONE</i> , 2010, 5, e9834.	1.1	24
118	Genipin-Induced Inhibition of Uncoupling Protein-2 Sensitizes Drug-Resistant Cancer Cells to Cytotoxic Agents. <i>PLoS ONE</i> , 2010, 5, e13289.	1.1	86
119	Oxidative stress leads to reduced coupling of oxidative phosphorylation in in vivo resting mouse skeletal muscle. <i>FASEB Journal</i> , 2010, 24, 1045.11.	0.2	0
120	Oxidative status of muscle is determined by p107 regulation of PGC-1 α . <i>Journal of General Physiology</i> , 2010, 136, i3-i3.	0.9	0
121	FAT/CD36-null mice reveal that mitochondrial FAT/CD36 is required to upregulate mitochondrial fatty acid oxidation in contracting muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R960-R967.	0.9	63
122	Increased susceptibility to oxidative damage in post-diabetic human myotubes. <i>Diabetologia</i> , 2009, 52, 2405-2415.	2.9	27
123	Reduced in vivo phosphodiesterase-4 response to acute noradrenaline challenge in diet-induced obese rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 196-202.	0.7	7
124	Mitochondrial uncoupling and remodeling during caloric restriction: Implications for oxidative stress and aging. <i>FASEB Journal</i> , 2009, 23, 954.14.	0.2	0
125	The absence of UCP3 leads to tighter coupling of oxidative phosphorylation in skeletal muscle at rest. <i>FASEB Journal</i> , 2009, 23, 600.29.	0.2	0
126	Mutated ATP synthase induces oxidative stress and impaired insulin secretion in β cells of female BHE/cdb rats. <i>Diabetes/Metabolism Research and Reviews</i> , 2008, 24, 392-403.	1.7	16

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127	Thyroid Hormone Effects on Mitochondrial Energetics. <i>Thyroid</i> , 2008, 18, 145-156.	2.4	145
128	Essential Role for Uncoupling Protein-3 in Mitochondrial Adaptation to Fasting but Not in Fatty Acid Oxidation or Fatty Acid Anion Export. <i>Journal of Biological Chemistry</i> , 2008, 283, 25124-25131.	1.6	88
129	The Efficiency of Cellular Energy Transduction and Its Implications for Obesity. <i>Annual Review of Nutrition</i> , 2008, 28, 13-33.	4.3	109
130	Long-term high-fat feeding induces greater fat storage in mice lacking UCP3. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E1018-E1024.	1.8	56
131	Rescue of Neurons from Ischemic Injury by Peroxisome Proliferator-Activated Receptor- α Requires a Novel Essential Cofactor LMO4. <i>Journal of Neuroscience</i> , 2008, 28, 12433-12444.	1.7	37
132	Sirt1 Regulates Energy Metabolism and Response to Caloric Restriction in Mice. <i>PLoS ONE</i> , 2008, 3, e1759.	1.1	397
133	Uncoupling protein-3: clues in an ongoing mitochondrial mystery. <i>FASEB Journal</i> , 2007, 21, 312-324.	0.2	122
134	Mitochondrial uncoupling as a target in the treatment of obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 671-678.	1.3	23
135	The energetic implications of uncoupling protein-3 in skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007, 32, 884-894.	0.9	35
136	Mechanisms responsible for enhanced fatty acid utilization by perfused hearts from type 2 diabetic db/db mice. <i>Archives of Physiology and Biochemistry</i> , 2007, 113, 65-75.	1.0	61
137	Peroxisome Proliferator-Activated Receptor γ 2 and Acyl-CoA Synthetase 5 Polymorphisms Influence Diet Response. <i>Obesity</i> , 2007, 15, 1068-1075.	1.5	56
138	Gain-of-Function R225W Mutation in Human AMPK β 3 Causing Increased Glycogen and Decreased Triglyceride in Skeletal Muscle. <i>PLoS ONE</i> , 2007, 2, e903.	1.1	80
139	Role of uncoupling protein-3 in fatty acid oxidation in skeletal muscle mitochondria. <i>FASEB Journal</i> , 2007, 21, A667.	0.2	0
140	Cellular metabolism as a basis for immune privilege. <i>Journal of Immune Based Therapies and Vaccines</i> , 2006, 4, 1.	2.4	22
141	Uncoupling Proteins: Role in Insulin Resistance and Insulin Insufficiency. <i>Current Diabetes Reviews</i> , 2006, 2, 271-283.	0.6	56
142	Effects of the presence, absence, and overexpression of uncoupling protein-3 on adiposity and fuel metabolism in congenic mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E1304-E1312.	1.8	53
143	The Sirt1 deacetylase modulates the insulin-like growth factor signaling pathway in mammals. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1097-1105.	2.2	97
144	Long-term calorie restriction reduces proton leak and hydrogen peroxide production in liver mitochondria. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E674-E684.	1.8	85

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145	Long-term caloric restriction increases UCP3 content but decreases proton leak and reactive oxygen species production in rat skeletal muscle mitochondria. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E429-E438.	1.8	142
146	Physiological Increases in Uncoupling Protein 3 Augment Fatty Acid Oxidation and Decrease Reactive Oxygen Species Production Without Uncoupling Respiration in Muscle Cells. <i>Diabetes</i> , 2005, 54, 2343-2350.	0.3	194
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