Mary-Ellen Harper

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Foxo3a tempers excessive glutaminolysis in activated T cells to prevent fatal gut inflammation in the murine IL-10â^'/â^' model of colitis. Cell Death and Differentiation, 2022, 29, 585-599.	11.2	4
2	Association of muscle fiber type with measures of obesity: A systematic review. Obesity Reviews, 2022, 23, e13444.	6.5	10
3	Jean Himms-Hagen, D.Phil. (1933-2021): Pioneering research in brown adipose tissue thermogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2022, , .	3.5	0
4	Prohibitin 1 interacts with p53 in the regulation of mitochondrial dynamics and chemoresistance in gynecologic cancers. Journal of Ovarian Research, 2022, 15, .	3.0	4
5	Effects of cobalt and chromium ions on glycolytic flux and the stabilization of hypoxiaâ€inducible factorâ€1α in macrophages in vitro. Journal of Orthopaedic Research, 2021, 39, 112-120.	2.3	7
6	Glutaredoxin-2 and Sirtuin-3 deficiencies impair cardiac mitochondrial energetics but their effects are not additive. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 165982.	3.8	11
7	SMN Depleted Mice Offer a Robust and Rapid Onset Model of Nonalcoholic Fatty Liver Disease. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 354-377.e3.	4.5	16
8	Altered mitochondrial fusion drives defensive glutathione synthesis in cells able to switch to glycolytic ATP production. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118854.	4.1	14
9	The lifecycle of skeletal muscle mitochondria in obesity. Obesity Reviews, 2021, 22, e13164.	6.5	25
10	Grx2 Regulates Skeletal Muscle Mitochondrial Structure and Autophagy. Frontiers in Physiology, 2021, 12, 604210.	2.8	7
11	Cardiomyocyteâ€specific Srsf3 deletion reveals a mitochondrial regulatory role. FASEB Journal, 2021, 35, e21544.	0.5	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. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E864-E873.	3.5	18
13	Nuclear HKII–P-p53 (Ser15) Interaction is a Prognostic Biomarker for Chemoresponsiveness and Glycolytic Regulation in Epithelial Ovarian Cancer. Cancers, 2021, 13, 3399.	3.7	5
14	Interindividual variability in weight loss in the treatment of obesity. American Journal of Clinical Nutrition, 2021, 114, 824-825.	4.7	3
15	Dietary Cocoa Flavanols Enhance Mitochondrial Function in Skeletal Muscle and Modify Whole-Body Metabolism in Healthy Mice. Nutrients, 2021, 13, 3466.	4.1	5
16	A recurrent de novo ATP5F1A substitution associated with neonatal complex V deficiency. European Journal of Human Genetics, 2021, 29, 1719-1724.	2.8	2
17	Naked mole-rat brown fat thermogenesis is diminished during hypoxia through a rapid decrease in UCP1. Nature Communications, 2021, 12, 6801.	12.8	29
18	Innate Immune Nod1/RIP2 Signaling Is Essential for Cardiac Hypertrophy but Requires Mitochondrial Antiviral Signaling Protein for Signal Transductions and Energy Balance. Circulation, 2020, 142, 2240-2258.	1.6	26

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19	Role of Glutathione in Cancer: From Mechanisms to Therapies. Biomolecules, 2020, 10, 1429.	4.0	352
20	RIPK1 gene variants associate with obesity in humans and can be therapeutically silenced to reduce obesity in mice. Nature Metabolism, 2020, 2, 1113-1125.	11.9	34
21	Factors affecting weight loss variability in obesity. Metabolism: Clinical and Experimental, 2020, 113, 154388.	3.4	50
22	Impact of a weight loss and fitness intervention on exerciseâ€associated plasma oxylipin patterns in obese, insulinâ€resistant, sedentary women. Physiological Reports, 2020, 8, e14547.	1.7	14
23	Metabolic terminology: what's in a name?. Nature Metabolism, 2020, 2, 476-477.	11.9	8
24	MCL-1Matrix maintains neuronal survival by enhancing mitochondrial integrity and bioenergetic capacity under stress conditions. Cell Death and Disease, 2020, 11, 321.	6.3	68
25	A fully joint Bayesian quantitative trait locus mapping of human protein abundance in plasma. PLoS Computational Biology, 2020, 16, e1007882.	3.2	19
26	<i>SGCG</i> rs679482 Associates With Weight Loss Success in Response to an Intensively Supervised Outpatient Program. Diabetes, 2020, 69, 2017-2026.	0.6	8
27	Harnessing the protective role of OPA1 in diabetic cardiomyopathy. Acta Physiologica, 2020, 229, e13466.	3.8	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. PLoS Genetics, 2020, 16, e1009220.	3.5	5
29	Atrial Fibrillation Is Associated With Impaired Atrial Mitochondrial Energetics and Supercomplex Formation in Adults With Type 2 Diabetes. Canadian Journal of Diabetes, 2019, 43, 67-75.e1.	0.8	18
30	p53 Promotes chemoresponsiveness by regulating hexokinase II gene transcription and metabolic reprogramming in epithelial ovarian cancer. Molecular Carcinogenesis, 2019, 58, 2161-2174.	2.7	34
31	Exercise plasma metabolomics and xenometabolomics in obese, sedentary, insulin-resistant women: impact of a fitness and weight loss intervention. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E999-E1014.	3.5	25
32	Maternal dietâ€induced obesity alters muscle mitochondrial function in offspring without changing insulin sensitivity. FASEB Journal, 2019, 33, 13515-13526.	0.5	14
33	Skeletal muscle mitoflashes, pH, and the role of uncoupling protein-3. Archives of Biochemistry and Biophysics, 2019, 663, 239-248.	3.0	10
34	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. Nature Communications, 2019, 10, 540.	12.8	25
35	Genome-wide identification of circulating-miRNA expression quantitative trait loci reveals the role of several miRNAs in the regulation of cardiometabolic phenotypes. Cardiovascular Research, 2019, 115, 1629-1645.	3.8	55
36	Mitochondrial adaptation in human mesenchymal stem cells following ionizing radiation. FASEB Journal, 2019, 33, 9263-9278.	0.5	8

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37	SIRT3 controls brown fat thermogenesis by deacetylation regulation of pathways upstream of UCP1. Molecular Metabolism, 2019, 25, 35-49.	6.5	30
38	Glyoxalase 1 Prevents Chronic Hyperglycemia Induced Heart-Explant Derived Cell Dysfunction. Theranostics, 2019, 9, 5720-5730.	10.0	10
39	ACSL5 genotype influence on fatty acid metabolism: a cellular, tissue, and whole-body study. Metabolism: Clinical and Experimental, 2018, 83, 271-279.	3.4	20
40	Glutaredoxin-2 controls cardiac mitochondrial dynamics and energetics in mice, and protects against human cardiac pathologies. Redox Biology, 2018, 14, 509-521.	9.0	35
41	ls Type 2 Diabetes in Adults Associated With Impaired Capacity for Weight Loss?. Canadian Journal of Diabetes, 2018, 42, 313-316.e1.	0.8	7
42	Obesity shows preserved plasma proteome in large independent clinical cohorts. Scientific Reports, 2018, 8, 16981.	3.3	45
43	Effects of cobalt and chromium ions on oxidative stress and energy metabolism in macrophages in vitro. Journal of Orthopaedic Research, 2018, 36, 3178-3187.	2.3	33
44	Tumor metabolism regulating chemosensitivity in ovarian cancer. Genes and Cancer, 2018, 9, 155-175.	1.9	43
45	EFFECTS OF 12 MONTHS OF CALORIC RESTRICTION ON MUSCLE MITOCHONDRIAL FUNCTION IN HEALTHY INDIVIDUALS. Journal of Clinical Endocrinology and Metabolism, 2017, 102, jc.2016-3211.	3.6	26
46	Fourâ€week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. Journal of Physiology, 2017, 595, 2099-2113.	2.9	95
47	Human Pluripotent Stem Cell–Derived <i>TSC2</i> -Haploinsufficient Smooth Muscle Cells Recapitulate Features of Lymphangioleiomyomatosis. Cancer Research, 2017, 77, 5491-5502.	0.9	29
48	Cellular redox dysfunction in the development of cardiovascular diseases. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2822-2829.	2.4	70
49	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 889-905.	5.6	55
50	A novel amino acid and metabolomics signature in mice overexpressing muscle uncoupling protein 3. FASEB Journal, 2017, 31, 814-827.	0.5	18
51	Acylcarnitines as markers of exerciseâ€associated fuel partitioning, xenometabolism, and potential signals to muscle afferent neurons. Experimental Physiology, 2017, 102, 48-69.	2.0	49
52	In utero Undernutrition Programs Skeletal and Cardiac Muscle Metabolism. Frontiers in Physiology, 2016, 6, 401.	2.8	13
53	Can response to dietary restriction predict weight loss after <scp>R</scp> ouxâ€enâ€ <scp>Y</scp> gastroplasty?. Obesity, 2016, 24, 805-811.	3.0	7
54	A Signaling Lipid Associated with Alzheimer's Disease Promotes Mitochondrial Dysfunction. Scientific Reports, 2016, 6, 19332.	3.3	25

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55	Drugs and bugs: turning on the heat through UCP1 and UCP3. Journal of Physiology, 2016, 594, 7151-7152.	2.9	Ο
56	K _{ATP} channel deficiency in mouse FDB causes an impairment of energy metabolism during fatigue. American Journal of Physiology - Cell Physiology, 2016, 311, C559-C571.	4.6	12
57	Mitochondrial Dynamics Impacts Stem Cell Identity and Fate Decisions by Regulating a Nuclear Transcriptional Program. Cell Stem Cell, 2016, 19, 232-247.	11.1	469
58	Adverse Effects of β-Blocker Therapy on Weight Loss in Response to a Controlled Dietary Regimen. Canadian Journal of Cardiology, 2016, 32, 1246.e21-1246.e26.	1.7	5
59	Differences in Mitochondrial Coupling Reveal a Novel Signature of Mitohormesis in Muscle of Healthy Individuals. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4994-5003.	3.6	6
60	Reactive Oxygen Species and Oxidative Stress in Obesity—Recent Findings and Empirical Approaches. Obesity, 2016, 24, 2301-2310.	3.0	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 Montréal-Ottawa New Emerging Team, and Complications Associated with Obesity. BMC Medical Genetics. 2016. 17. 56.	2.1	8
62	Severe Neonatal Presentation of Mitochondrial Citrate Carrier (SLC25A1) Deficiency. JIMD Reports, 2016, 30, 73-79.	1.5	21
63	DNM1L-related mitochondrial fission defect presenting as refractory epilepsy. European Journal of Human Genetics, 2016, 24, 1084-1088.	2.8	113
64	Identification of a pathogenic <i>FTO</i> mutation by next-generation sequencing in a newborn with growth retardation and developmental delay. Journal of Medical Genetics, 2016, 53, 200-207.	3.2	50
65	Mitochondrial stress controls the radiosensitivity of the oxygen effect: Implications for radiotherapy. Oncotarget, 2016, 7, 21469-21483.	1.8	63
66	Undernutrition during pregnancy in mice leads to dysfunctional cardiac muscle respiration in adult offspring. Bioscience Reports, 2015, 35, .	2.4	38
67	Macrophage Mitochondrial Energy Status Regulates Cholesterol Efflux and Is Enhanced by Anti-miR33 in Atherosclerosis. Circulation Research, 2015, 117, 266-278.	4.5	158
68	Detailed Biochemical and Bioenergetic Characterization of FBXL4-Related Encephalomyopathic Mitochondrial DNA Depletion. JIMD Reports, 2015, 27, 1-9.	1.5	19
69	Therapeutic Inhibition of miR-33 Promotes Fatty Acid Oxidation but Does Not Ameliorate Metabolic Dysfunction in Diet-Induced Obesity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2536-2543.	2.4	63
70	Impaired mitochondrial oxidative phosphorylation and supercomplex assembly in rectus abdominis muscle of diabetic obese individuals. Diabetologia, 2015, 58, 2861-2866.	6.3	88
71	Acylcarnitines: potential implications for skeletal muscle insulin resistance. FASEB Journal, 2015, 29, 336-345.	0.5	191
72	Low birth weight is associated with adiposity, impaired skeletal muscle energetics and weight loss resistance in mice. International Journal of Obesity, 2015, 39, 702-711.	3.4	42

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73	Improved Metabolic Health Alters Host Metabolism in Parallel with Changes in Systemic Xeno-Metabolites of Gut Origin. PLoS ONE, 2014, 9, e84260.	2.5	39
74	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. PLoS ONE, 2014, 9, e103402.	2.5	83
75	Glutaredoxin-2 Is Required to Control Oxidative Phosphorylation in Cardiac Muscle by Mediating Deglutathionylation Reactions. Journal of Biological Chemistry, 2014, 289, 14812-14828.	3.4	81
76	The SIRT1 deacetylase protects mice against the symptoms of metabolic syndrome. FASEB Journal, 2014, 28, 1306-1316.	0.5	74
77	Lower Mitochondrial Proton Leak and Decreased Glutathione Redox in Primary Muscle Cells of Obese Diet-Resistant Versus Diet-Sensitive Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 4223-4230.	3.6	17
78	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. Nature Communications, 2014, 5, 3550.	12.8	141
79	OPA1â€dependent cristae modulation is essential for cellular adaptation to metabolic demand. EMBO Journal, 2014, 33, 2676-2691.	7.8	312
80	SPG7 Variant Escapes Phosphorylation-Regulated Processing by AFG3L2, Elevates Mitochondrial ROS, and Is Associated with Multiple Clinical Phenotypes. Cell Reports, 2014, 7, 834-847.	6.4	39
81	Chronic AMPK activity dysregulation produces myocardial insulin resistance in the human Arg302Gln-PRKAG2 glycogen storage disease mouse model. EJNMMI Research, 2013, 3, 48.	2.5	11
82	Increased proton leak and SOD2 expression in myotubes from obese non-diabetic subjects with a family history of type 2 diabetes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1624-1633.	3.8	15
83	Unearthing the secrets of mitochondrial ROS and glutathione in bioenergetics. Trends in Biochemical Sciences, 2013, 38, 592-602.	7.5	241
84	Muscle uncoupling protein 3 overexpression mimics endurance training and reduces circulating biomarkers of incomplete $\hat{l}^2 \hat{a} \in \mathbf{o}$ xidation. FASEB Journal, 2013, 27, 4213-4225.	0.5	43
85	A 680 kb duplication at the FTO locus in a kindred with obesity and a distinct body fat distribution. European Journal of Human Genetics, 2013, 21, 1417-1422.	2.8	10
86	Enhanced glucose homeostasis in BHE/cdb rats with mutated ATP synthase. Mitochondrion, 2013, 13, 320-329.	3.4	0
87	MicroRNA-133 Controls Brown Adipose Determination in Skeletal Muscle Satellite Cells by Targeting Prdm16. Cell Metabolism, 2013, 17, 210-224.	16.2	249
88	Glutathionylation of UCP2 sensitizes drug resistant leukemia cells to chemotherapeutics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 80-89.	4.1	35
89	Glutaredoxin-2 Is Required to Control Proton Leak through Uncoupling Protein-3. Journal of Biological Chemistry, 2013, 288, 8365-8379.	3.4	61
90	Mitochondrial uncoupling in skeletal muscle by UCP1 augments energy expenditure and glutathione content while mitigating ROS production. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E405-E415.	3.5	38

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91	Implications of mitochondrial uncoupling in skeletal muscle in the development and treatment of obesity. FEBS Journal, 2013, 280, 5015-5029.	4.7	29
92	Glutathionylation State of Uncoupling Protein-2 and the Control of Glucose-stimulated Insulin Secretion. Journal of Biological Chemistry, 2012, 287, 39673-39685.	3.4	57
93	SirT1 catalytic activity is required for male fertility and metabolic homeostasis in mice. FASEB Journal, 2012, 26, 555-566.	0.5	51
94	Crucial yet divergent roles of mitochondrial redox state in skeletal muscle <i>vs</i> . brown adipose tissue energetics. FASEB Journal, 2012, 26, 363-375.	0.5	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. Journal of Applied Physiology, 2012, 113, 1624-1634.	2.5	27
96	Impairment of Proinsulin Processing in β-Cells Exposed to Saturated Free Fatty Acid Is Dependent on Uncoupling Protein-2 Expression. Canadian Journal of Diabetes, 2012, 36, 228-236.	0.8	3
97	Mitochondrial proticity and ROS signaling: lessons from the uncoupling proteins. Trends in Endocrinology and Metabolism, 2012, 23, 451-458.	7.1	108
98	Skeletal muscle mitochondrial energetics in obesity and type 2 diabetes mellitus: Endocrine aspects. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 805-819.	4.7	19
99	Impaired adaptability of in vivo mitochondrial energetics to acute oxidative insult in aged skeletal muscle. Mechanisms of Ageing and Development, 2012, 133, 620-628.	4.6	28
100	Calorie restriction in mice overexpressing UCP3: Evidence that prior mitochondrial uncoupling alters response. Experimental Gerontology, 2012, 47, 361-371.	2.8	11
101	Ablation of LMO4 in glutamatergic neurons impairs leptin control of fat metabolism. Cellular and Molecular Life Sciences, 2012, 69, 819-828.	5.4	23
102	Hexokinase II acts through UCP3 to suppress mitochondrial reactive oxygen species production and maintain aerobic respiration. Biochemical Journal, 2011, 437, 301-311.	3.7	32
103	Uncoupling proteins and the control of mitochondrial reactive oxygen species production. Free Radical Biology and Medicine, 2011, 51, 1106-1115.	2.9	460
104	Sympathetic nervous dysregulation in the absence of systolic left ventricular dysfunction in a rat model of insulin resistance with hyperglycemia. Cardiovascular Diabetology, 2011, 10, 75.	6.8	59
105	The Adipocyte-Expressed Forkhead Transcription Factor Foxc2 Regulates Metabolism Through Altered Mitochondrial Function. Diabetes, 2011, 60, 427-435.	0.6	61
106	Glutathionylation Acts as a Control Switch for Uncoupling Proteins UCP2 and UCP3. Journal of Biological Chemistry, 2011, 286, 21865-21875.	3.4	156
107	Galactose Enhances Oxidative Metabolism and Reveals Mitochondrial Dysfunction in Human Primary Muscle Cells. PLoS ONE, 2011, 6, e28536.	2.5	198
108	Naturally occurring R225W mutation of the gene encoding AMP-activated protein kinase (AMPK)Î ³ 3 results in increased oxidative capacity and glucose uptake in human primary myotubes. Diabetologia, 2010, 53, 1986-1997.	6.3	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. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1389-1397.	1.0	22
110	Metabolic functions of AMPK: Aspects of structure and of natural mutations in the regulatory gamma subunits. IUBMB Life, 2010, 62, 739-745.	3.4	32
111	Gene expression profiling in whole blood identifies distinct biological pathways associated with obesity. BMC Medical Genomics, 2010, 3, 56.	1.5	66
112	Glucose regulates enzymatic sources of mitochondrial NADPH in skeletal muscle cells; a novel role for glucoseâ€6â€phosphate dehydrogenase. FASEB Journal, 2010, 24, 2495-2506.	0.5	60
113	Loss of the Parkinson's disease-linked gene DJ-1 perturbs mitochondrial dynamics. Human Molecular Genetics, 2010, 19, 3734-3746.	2.9	343
114	Electron Transport Chain-dependent and -independent Mechanisms of Mitochondrial H2O2 Emission during Long-chain Fatty Acid Oxidation. Journal of Biological Chemistry, 2010, 285, 5748-5758.	3.4	211
115	Distinct skeletal muscle fiber characteristics and gene expression in diet-sensitive versus diet-resistant obesity. Journal of Lipid Research, 2010, 51, 2394-2404.	4.2	52
116	Oxidative status of muscle is determined by p107 regulation of PGC-1α. Journal of Cell Biology, 2010, 190, 651-662.	5.2	19
117	Long-Chain Fatty Acid Combustion Rate Is Associated with Unique Metabolite Profiles in Skeletal Muscle Mitochondria. PLoS ONE, 2010, 5, e9834.	2.5	24
118	Genipin-Induced Inhibition of Uncoupling Protein-2 Sensitizes Drug-Resistant Cancer Cells to Cytotoxic Agents. PLoS ONE, 2010, 5, e13289.	2.5	86
119	Oxidative stress leads to reduced coupling of oxidative phosphorylation in in vivo resting mouse skeletal muscle. FASEB Journal, 2010, 24, 1045.11.	0.5	Ο
120	Oxidative status of muscle is determined by p107 regulation of PGC-1a. Journal of General Physiology, 2010, 136, i3-i3.	1.9	0
121	FAT/CD36-null mice reveal that mitochondrial FAT/CD36 is required to upregulate mitochondrial fatty acid oxidation in contracting muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R960-R967.	1.8	63
122	Increased susceptibility to oxidative damage in post-diabetic human myotubes. Diabetologia, 2009, 52, 2405-2415.	6.3	27
123	Reduced in vivo phosphodiesterase-4 response to acute noradrenaline challenge in diet-induced obese rats. Canadian Journal of Physiology and Pharmacology, 2009, 87, 196-202.	1.4	7
124	Mitochondrial uncoupling and remodeling during caloric restriction: Implications for oxidative stress and aging. FASEB Journal, 2009, 23, 954.14.	0.5	0
125	The absence of UCP3 leads to tighter coupling of oxidative phosphorylation in skeletal muscle at rest. FASEB Journal, 2009, 23, 600.29.	0.5	0
126	Mutated ATP synthase induces oxidative stress and impaired insulin secretion in βâ€cells of female BHE/cdb rats. Diabetes/Metabolism Research and Reviews, 2008, 24, 392-403.	4.0	16

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127	Thyroid Hormone Effects on Mitochondrial Energetics. Thyroid, 2008, 18, 145-156.	4.5	145
128	Essential Role for Uncoupling Protein-3 in Mitochondrial Adaptation to Fasting but Not in Fatty Acid Oxidation or Fatty Acid Anion Export. Journal of Biological Chemistry, 2008, 283, 25124-25131.	3.4	88
129	The Efficiency of Cellular Energy Transduction and Its Implications for Obesity. Annual Review of Nutrition, 2008, 28, 13-33.	10.1	109
130	Long-term high-fat feeding induces greater fat storage in mice lacking UCP3. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1018-E1024.	3.5	56
131	Rescue of Neurons from Ischemic Injury by Peroxisome Proliferator-Activated Receptor-Â Requires a Novel Essential Cofactor LMO4. Journal of Neuroscience, 2008, 28, 12433-12444.	3.6	37
132	SirT1 Regulates Energy Metabolism and Response to Caloric Restriction in Mice. PLoS ONE, 2008, 3, e1759.	2.5	397
133	Uncoupling proteinâ€3: clues in an ongoing mitochondrial mystery. FASEB Journal, 2007, 21, 312-324.	0.5	122
134	Mitochondrial uncoupling as a target in the treatment of obesity. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 671-678.	2.5	23
135	The energetic implications of uncoupling protein-3 in skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2007, 32, 884-894.	1.9	35
136	Mechanisms responsible for enhanced fatty acid utilization by perfused hearts from type 2 diabeticdb/dbmice. Archives of Physiology and Biochemistry, 2007, 113, 65-75.	2.1	61
137	Peroxisome Proliferatorâ€activated Receptor γ 2 and Acyl oA Synthetase 5 Polymorphisms Influence Diet Response. Obesity, 2007, 15, 1068-1075.	3.0	56
138	Gain-of-Function R225W Mutation in Human AMPKÎ ³ 3 Causing Increased Glycogen and Decreased Triglyceride in Skeletal Muscle. PLoS ONE, 2007, 2, e903.	2.5	80
139	Role of uncoupling proteinâ€3 in fatty acid oxidation in skeletal muscle mitochondria. FASEB Journal, 2007, 21, A667.	0.5	0
140	Cellular metabolism as a basis for immune privilege. Journal of Immune Based Therapies and Vaccines, 2006, 4, 1.	2.4	22
141	Uncoupling Proteins: Role in Insulin Resistance and Insulin Insufficiency. Current Diabetes Reviews, 2006, 2, 271-283.	1.3	56
142	Effects of the presence, absence, and overexpression of uncoupling protein-3 on adiposity and fuel metabolism in congenic mice. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1304-E1312.	3.5	53
143	The Sirt1 deacetylase modulates the insulin-like growth factor signaling pathway in mammals. Mechanisms of Ageing and Development, 2005, 126, 1097-1105.	4.6	97
144	Long-term calorie restriction reduces proton leak and hydrogen peroxide production in liver mitochondria. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E674-E684.	3.5	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. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E429-E438.	3.5	142
146	Physiological Increases in Uncoupling Protein 3 Augment Fatty Acid Oxidation and Decrease Reactive Oxygen Species Production Without Uncoupling Respiration in Muscle Cells. Diabetes, 2005, 54, 2343-2350.	0.6	194
147	Constitutive UCP3 overexpression at physiological levels increases mouse skeletal muscle capacity for fatty acid transport and oxidation. FASEB Journal, 2005, 19, 977-979.	0.5	114
148	The Role of Mitochondrial Uncoupling in 3,4-Methylenedioxymethamphetamine-Mediated Skeletal Muscle Hyperthermia and Rhabdomyolysis. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 629-639.	2.5	33
149	Effects of nitric oxide donors on cybrids harbouring the mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes (MELAS) A3243G mitochondrial DNA mutation. Biochemical Journal, 2005, 391, 191-202.	3.7	24
150	Influence of mitochondrial membrane fatty acid composition on proton leak and H2O2 production in liver. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 99-108.	1.6	37
151	Rb and p107 regulate preadipocyte differentiation into white versus brown fat through repression of PGC-1α. Cell Metabolism, 2005, 2, 283-295.	16.2	182
152	Fasting and Postprandial Total Ghrelin Remain Unchanged after Short-Term Energy Restriction. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1727-1732.	3.6	33
153	Ageing, oxidative stress, and mitochondrial uncoupling. Acta Physiologica Scandinavica, 2004, 182, 321-331.	2.2	222
154	Unchanged fasting and postprandial adiponectin levels following a 4â€day caloric restriction in young healthy men. Clinical Endocrinology, 2004, 60, 429-433.	2.4	38
155	Reduction of diet-induced obesity in transgenic mice overexpressing uncoupling protein 3 in skeletal muscle. Diabetologia, 2004, 47, 47-54.	6.3	65
156	Mitochondrial uncoupling proteins as potential targets for pharmacological agents. Current Opinion in Pharmacology, 2004, 4, 603-607.	3.5	12
157	Percent relative cumulative frequency analysis in indirect calorimetry: application to studies of transgenic mice. Canadian Journal of Physiology and Pharmacology, 2004, 82, 1075-1083.	1.4	62
158	Effects of short- and medium-term calorie restriction on muscle mitochondrial proton leak and reactive oxygen species production. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E852-E861.	3.5	138
159	Proton leak and hydrogen peroxide production in liver mitochondria from energy-restricted rats. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E31-E40.	3.5	59
160	Targeting Thermogenesis in the Development of Antiobesity Drugs. , 2004, , 363-383.		2
161	Paradoxical resistance to diet-induced obesity in UCP1-deficient mice. Journal of Clinical Investigation, 2003, 111, 399-407.	8.2	145
162	Characterization of a novel metabolic strategy used by drugâ€resistant tumor cells. FASEB Journal, 2002, 16, 1550-1557.	0.5	167

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163	Invited Review: Uncoupling proteins and thermoregulation. Journal of Applied Physiology, 2002, 92, 2187-2198.	2.5	228
164	Decreased Mitochondrial Proton Leak and Reduced Expression of Uncoupling Protein 3 in Skeletal Muscle of Obese Diet-Resistant Women. Diabetes, 2002, 51, 2459-2466.	0.6	113
165	Overexpression of UCP-3 in Skeletal Muscle of Mice Results in Increased Expression of Mitochondrial Thioesterase mRNA. Biochemical and Biophysical Research Communications, 2001, 283, 785-790.	2.1	69
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